WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

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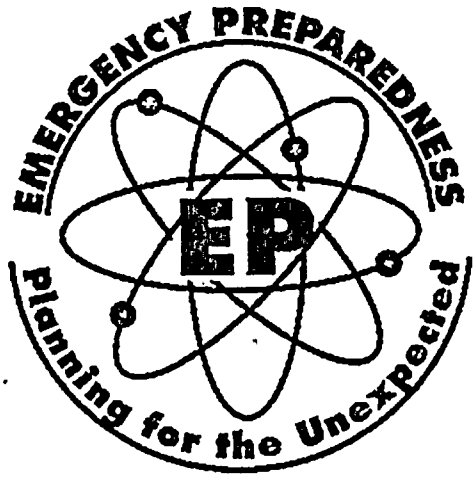

EXERCISE '92

EXERCISE DIRECTOR:

RON UTTER

EXERCISE COORDINATORS:

PAT BAGAN - *Scenario*
TERRY CHRISLER - *Health Physics Data*

SCENARIO AUTHORS:

Pat Bagan - *Scenario Script, Situational Data, Initial Conditions & Messages*
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- Acronyms

II. ORGANIZATION SPECIFICS

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  - Evaluator Logs
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  - Message/Data Sheets
  - Timeline Worksheets/Evaluation Criteria Worksheets
  - Evaluator Logs
- JIC
  - Message/Data Sheets
  - Timeline Worksheets/Evaluation Criteria Worksheets
  - Evaluator Logs
- Control Cell
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  - Control Cell Operations and Messages

NOTE: Center specific drill packages include all information listed in the General Information section and the message/data sheets, timeline worksheet, evaluation criteria worksheets and evaluator logs applicable to that center.

SCHEDULE

MONDAY	December 7
09:30 PFM & Evaluator Orientation-PSF Rm 141	
11:30 Player Orientation Mtg-GSE Conf. Room	
13:30 Player Orientation Mtg-PSF Auditorium	
14:30 Player Orientation Mtg-MPF Auditorium	
15:00 NRC Entrance	

TUESDAY	December 8
COMPOUT EXERCISE '92	
05:45 Casualty Player Orientation-Bldg #13	
06:00 Op's/EP Player Orientation Mtg-Simulator	
14:30 Player/Evaluator Critique-Emergency Center	

WEDNESDAY	December 9
04:00 Online/Ex. Critique Meeting-PSF Rm 141	
12:30 Key Contr./Eval & EP Mtg-PSF Rm 141	

THURSDAY	December 10
08:00 Corporate Critique & Presentation	
[illegible] Meeting	
[illegible] EOF	

FRIDAY	December 11
08:00 FEMA Participants Briefing	
[illegible] FEMA/Public Briefing	
[illegible]	

December 1992

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

EXERCISE '92 SCHEDULE

November-December 1992

November 30

MONDAY

December 7

09:30 FEMA Evaluator Orientation-PSF Rm 141
11:30 Player Orientation Mtg-GSB Conf. Room
13:30 Player Orientation Mtg-PSF Auditorium
14:30 Player Orientation Mtg-MPF Auditorium
15:00 NRC Entrance

December 1

TUESDAY

December 8

08:30 Cntlr/Eval Scenario Mtg--PSF Rm 120

CONDUCT EXERCISE '92

06:15 Security Player Orientation-Bldg #13
07:00 Op's/HP Player Orientation Mtg-Simulator
14:30 Player/Evaluator Critique-Emergency Center

December 2

WEDNESDAY

December 9

08:30 Cntlr/Eval Critique Meeting-PSF Rm 141

12:30 Key Cntlr/Eval & EP Mtg-PSF Rm 141

December 3

THURSDAY

December 10

08:00 Corporate Critique Presentation
10:00 FEMA Participant Meeting
14:00 NRC Exit

December 4

FRIDAY

December 11

08:30 Final Ctlr/Eval Pre-Exercise Mtg-PSF Rm 141

08:00 FEMA Participants Briefing
10:00 FEMA Public Briefing

November 1992

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

December 1992

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Meteorological Data -
Weather Forecast

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM
CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise 92			PAGE
SHEET NO. E1.a	RESPONSIBLE CONTROLLER (LOCATION) "Control Room (Simulator), MUDAC & TSC"		
REAL TIME OF: 07:00 TO: 15:00		DRILL TIME OF: 00:00 TO: 08:00	
ASSOCIATED WITH MESSAGES		INFORMATION APPLIES TO	Meteorological Data - Weather Forecast

A. Forecast 0400-1900

Walla Walla Valley forecast valid until 7:00 p.m. PST, Tuesday December 8, 1992, from the National Weather Service in Pendelton, OR (or Seattle, Washington) as of 4:00 a.m. PST December 8, 1992

Temperatures this morning are expected to be in the 35-45 degree range with warming into the mid 50's by early afternoon. Light westerly winds and slightly stable conditions are expected throughout the early morning hours remaining as slightly stable throughtout the day. Winds are expected to remain light throughout the day.

Some light haze is expected as our area weather is dominated by a high pressure ridge aloft. Over all a sunny day and good for being out doors.

A one day look ahead shows essentially the same pattern for tomorrow. Little change is expected for the remainder of the week.

B. Controller Information

NOTE: For CONTROLLERS-- If Battelle is called for the weather, use the backup data from Sheet E1d.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO. Exercise 92	PAGE
SHEET NO. DAQE1.b1c	RESPONSIBLE CONTROLLER (LOCATION) Control Room (Simulator), MUDAC & TSC
REAL TIME OF: 07:00 TO: 15:00	DRILL TIME OF: 00:00 TO: 08:00
ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO Meteorological Data - Stability Classification Table

A. Stability Class vs. $\Delta T/\Delta z$ signal

Stability Classification	Pasquill Categories	Temperature Change With Height (Degrees °C/100m)
Extremely Unstable	A	$\Delta T/\Delta z \geq -1.9°$
Moderately Unstable	B	$-1.9° \geq \Delta T/\Delta z \geq -1.7°$
Slightly unstable	C	$-1.7° \geq \Delta T/\Delta z \geq -1.5°$
Neutral	D	$-1.5° \geq \Delta T/\Delta z \geq -0.5°$
Slightly stable	E	$-0.5° \geq \Delta T/\Delta z \geq 1.5°$
Moderately stable	F	$1.5° \geq \Delta T/\Delta z \geq 4.0°$
Extremely stable	G	$4.0° \geq \Delta T/\Delta z$

B. Stability Class vs. Sigma Θ Theta Signal

Stability Classification	Pasquill Categories	Temperature Change With Height (Degrees °C/100m)
Extremely Unstable	A	sigma $\Theta \geq 22.5°$
Moderately unstable	B	$22.5° \geq$ sigma $\Theta \geq 17.5°$
Slightly unstable	C	$17.5° \geq$ sigma $\Theta \geq 12.5°$
Neutral	D	$12.5° \geq$ sigma $\Theta \geq 7.5°$
Slightly stable	E	$7.5° \geq$ sigma $\Theta \geq 3.8°$
Moderately stable	F	$3.8° \geq$ sigma $\Theta \geq 2.1°$
Extremely stable	G	$2.1° \geq$ sigma Θ

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM
CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise 92			PAGE 1 of 2
SHEET NO. E1.c	RESPONSIBLE CONTROLLER (LOCATION)	Control Room (Simulator), MUDAC & TSC	
REAL TIME OF: 07:00	TO: 15:00	DRILL TIME OF: 00:00	TO: 08:00
ASSOCIATED WITH MESSAGES		INFORMATION APPLIES TO Meteorological Data Primary and Backup	

Primary Met Tower Readings

Time	Wind Speed (MPH)	Direction Wind From Degrees	Pasquill Category	Delta T ΔT/Δz Degrees °C/100m	Sigma Theta (Degrees)	Temp. Degrees °C	Stability Classification
0400-0500	5	295-303	E	+1.4	7.5	0.5	Slightly Stable
0500-0600	4	296-304	E	+1.1	7.0	1.1	Slightly Stable
0600-0700	5	295-303	E	+0.9	7.5	1.6	Slightly Stable
0700-0800	4	294-300	E	+0.7	6.0	2.2	Slightly Stable
0800-0900	4	294-299	E	+0.6	5.5	2.2	Slightly Stable
0900-1000	4	293-299	E	+0.4	5.5	2.7	Slightly Stable
1000-1100	4	292-297	E	-0.1	5.0	2.9	Slightly Stable
1100-1200	4	292-298	E	-0.2	5.5	3.3	Slightly Stable
1200-1300	4	293-299	E	-0.4	5.5	3.9	Slightly Stable
1300-1400	4	292-298	E	-0.4	6.5	4.6	Slightly Stable
1400-1500	5	293-299	E	-0.3	7.0	5.0	Slightly Stable
1500-1600	6	293-301	E	-0.4	7.0	5.2	Slightly Stable
1600-1700	5	294-301	E	-0.4	7.5	5.2	Slightly Stable

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise 92			PAGE 2 of 2
SHEET NO. E1.d	RESPONSIBLE CONTROLLER (LOCATION)	Control Room (Simulator), MUDAC & TSC	
REAL TIME OF: 07:00	TO: 15:00	DRILL TIME OF: 00:00	TO: 08:00
ASSOCIATED WITH MESSAGES		INFORMATION APPLIES TO Meteorological Data- Primary and Backup	

Backup Met Tower Readings

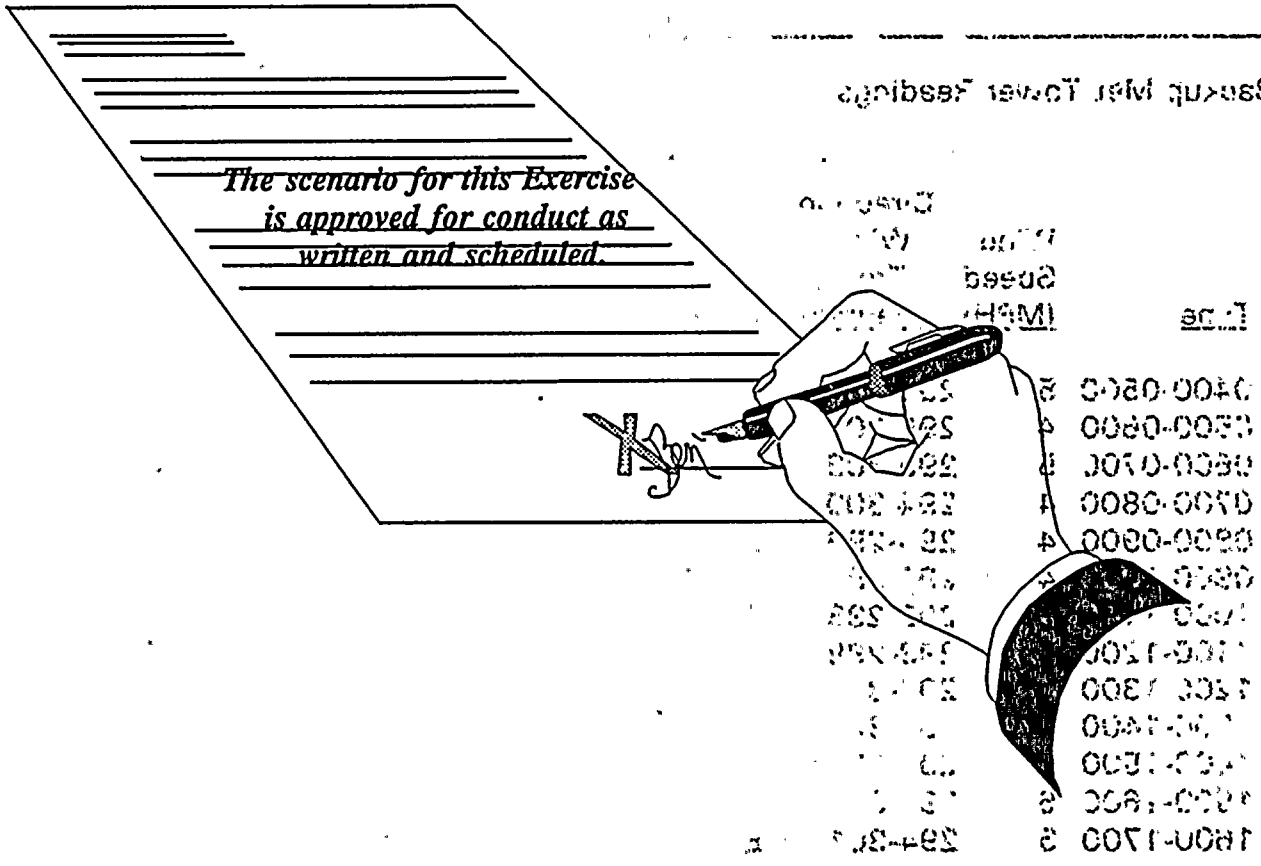
Time	Wind Speed (MPH)	Direction Wind From Degrees	Pasquill Category	Delta T ▲T/▲z Degrees °C/100m	Sigma Θ Theta (Degrees)	Temp. Degrees °C	Stability Classification
0400-0500	5	295-303	E	+1.4	7.5	0.5	Slightly Stable
0500-0600	4	296-304	E	+1.1	7.0	1.1	Slightly Stable
0600-0700	5	295-303	E	+0.9	7.5	1.6	Slightly Stable
0700-0800	4	294-300	E	+0.7	6.0	2.2	Slightly
0800-0900	4	293-299	E	+0.6	5.5	2.2	Slightly Stable
0900-1000	4	292-297	E	+0.4	5.5	2.7	Slightly Stable
1000-1100	4	292-298	E	-0.1	5.0	2.9	Slightly Stable
1100-1200	4	293-299	E	-0.2	5.5	3.3	Slightly Stable
1200-1300	4	293-301	E	-0.4	5.5	3.9	Slightly Stable
1300-1400	4	294-301	E	-0.4	6.5	4.6	Slightly Stable
1400-1500	5	294-301	E	-0.3	7.0	5.0	Slightly Stable
1500-1600	6	294-301	E	-0.4	7.0	5.2	Slightly Stable
1600-1700	5	294-301	E	-0.4	7.5	5.2	Slightly Stable

Date

Date

Date

SCENARIO SIGNOFF
EXERCISE '92



5/5/92	
WNP-2 Plant Manager (or designee)	**Date**
10-5-92	
Manager, Support Services (or designee)	**Date**
Asst. Managing Director, Operations (or designee)	**Date**

INITIAL CONDITION PACKAGES NOT INCLUDED IN THIS PACKAGE WILL BE GIVEN TO THE FOLLOWING CENTERS:

CONTROL ROOM (SIMULATOR)

LAST 24 HOURS LOGS
SHIFT MANAGER
CONTROL ROOM OPERATOR

SHIFT TURNOVER SHEETS
SHIFT MANAGER
CONTROL ROOM SUPERVISOR
CONTROL ROOM OPERATOR

PLANT DAILY WORK SCHEDULE

OSC

PLANT DAILY WORK SCHEDULE

TSC

PLANT DAILY WORK SCHEDULE

LAST 24 HOURS LOGS (OPS. MANAGER ONLY)
SHIFT MANAGER
CONTROL ROOM OPERATOR

SHIFT TURNOVER SHEETS (OPS. MANGER ONLY)
SHIFT MANAGER
CONTROL ROOM SUPERVISOR
CONTROL ROOM OPERATOR

EXERCISE 92

LOSS OF OFFSITE POWER, LOSS OF COOLANT ACCIDENT, RELEASE THROUGH STANDBY GAS TREATMENT SYSTEM, TRAIN DERAILMENT

INITIAL CONDITIONS

The date is December 8, 1992 five months after the R-7 outage. The plant is in the process of shutting down to repair a suspected Reactor Recirc Pump seal failure that is causing Containment Identified Leakage to approach Technical Specification limits.

The plant is at 80% power and in the process of being shutdown. The Drywell is being de-inerted (nitrogen removed) via Standby Gas Treatment (SGT) train "A" to facilitate entry into the Containment to identify and fix the leak.

The following equipment is out of service:

Residual Heat Removal (RHR) pump "C"

115 kilovolt offsite backup power transformer TR-B

SCENARIO

At 0800 the Main Generator Trips, 230 kilovolt offsite Startup Power breakers close and then trip open due to a fault on the Startup Power Transformer (TR-S). An Unusual Event is declared due to a Loss Of Offsite Power (LOOP).

Emergency Diesel Generators (DG-1,DG-2 and DG-3) get an autostart signal from the LOOP but DG-1 fails to start. This leaves DG-2 and DG-3 as the only Alternating Current (AC) power sources. Additionally, failure of DG-1 precludes operation of the Low Pressure Core Spray (LPCS) pump and RHR pump "A"

At 0820 a Loss Of Coolant Accident (LOCA) occurs due to a break of a Reactor Recirc Pump discharge line. The resulting loss of hot coolant uncovers the core and pressurizes the Containment.

The High Pressure Core Spray (HPCS) pump auto starts then trips on overcurrent. The only remaining operable Emergency Core Cooling System (ECCS) pump is RHR pump "B" but the "B" pump injection valve fails to open.

The loss of all ECCS pumps causes the core to remain uncovered and fuel damage soon occurs. A Site Area Emergency is declared due to Reactor water level less than -161 inches.

At approximately 0850 a Burlington Northern freight train with 33 empty box cars derails at the intersection of Highway 395 and Eltopia Road West. This necessitates emergency response from State and County agencies.

During the LOOP and LOCA containment isolation valves to SGT system should have isolated but have failed to. This allows the pressurized containment to vent through SGT train "A"to the elevated release. The plant operators should not immediately realize the SGT valves have failed to isolate due to the loss of power to valve position indication lights and burnt out valve position indication lights. Since SGT trains were not designed to handle the pressures and flows associated with the containment during a LOCA extensive damage occurs to the filters inside the trains. This allows an unfiltered release path to atmosphere.

At approximately 1000 a fire in Diesel Generator corridor storage room alarms in the Control Room (Simulator).

CASUALTY CONTROL

The fuel damage will be stopped when RHR "B" pump injection valve is manually opened and/or HPCS pump is repaired thus restoring Reactor level.

The release from containment will be stopped when one of the SGT system isolation valves are closed.

Emergency response to train derailment.

Fire Brigade fights fire in DG corridor storage room.

Additional repair efforts if Exercise goes beyond 1300.

DETAILED SCENARIO

INITIAL CONDITIONS

The date is December 8, 1992 five months after the R-7 outage. The plant is in the process of shutting down to repair a suspected Reactor Recirc Pump seal failure that is causing Containment Identified Leakage to approach Technical Specification limits and to repair RHR-P-2C and TR-B

Unidentified leakage went up from .18 gpm to 2.1 gpm. Identified leakage went up from 1.5 gpm to 5.8 gpm.

Power is being reduced via Recirc Flow Control and is currently at 80%. The wetwell has been deinerted and is at 19% O_2. The drywell is being deinerted via CEP-V-1A and CEP-V-2A thru Standby Gas Treatment train as per PPM 2.3.1. Drywell O_2 concentration is currently at 19%. A containment initial entry team is standing by as soon as deinerting and purging is completed to investigate the cause of the leakage.

Residual Heat Removal pump 2C is inoperable due to a gross failure of its mechanical seal during its monthly surveillance. Currently 8 hours into 7 day LCO 3.5.1.b with RHR-P-2C tagged out and isolated.

Backup transformer TR-B is inoperable due to a cracked bushing with resulting loss of oil on the 115 kv incoming line. Currently 12 hours into 72 hour LCO 3.8.1.1.a with TR-B tagged out and BPA developing repair plan.

SCENARIO

At 0800 the Main Generator has a spurious Micro Wave Relay Trip, this causes a reactor SCRAM. 230 kv offsite Startup Power breakers close on to SM-1, 2, 3, 4, 5, and 6 then immediately trip open due to an internal fault on the Startup Power Transformer (TR-S) causing the Buchholz relay to energize. The Control Room will declare an UNUSUAL EVENT due to a Loss Of Offsite Power (LOOP).

Emergency Diesel Generators 1, 2 and 3 get an auto start signal due to undervoltage on SM-7,8,4 respectively. DG-1 attempts to start but immediately trips on overspeed due to a broken spring on the overspeed trip counter weight on engine 1B1. Every time DG-1 is reset it will trip on overspeed until the spring is replaced.

The loss of DG-1 leaves SM-7 de-energized which prevents division 1 equipment from operating

Several valves in the deinerting lineup should change position due to the loss of power but have failed to, these are:

- CEP-V-1A MC-7AE, Air Operated, fails closed on loss of power - Stuck Open
- SGT-V-2A MC-7AE, Air Operated, fails open on loss of power - Stuck Closed

Indication for these valves is lost due to the loss of power.

At 0820 a Loss Of Coolant Accident (LOCA) occurs due to a break on the Reactor Recirc (RRC) pump suction pipe. The break is large enough to quickly uncover the core (Reactor less than -129 inches - A signal) and pressurize Containment (Drywell Pressure greater than 1.68 psig - F signal).

The resulting F and A signal will cause various equipment to activate.

The High Pressure Core Spray (HPCS) pump auto starts then trips on overcurrent due to a improperly set overcurrent relay.

Reactor Core Isolation Cooling (RCIC) system will be manually or automatically started but will be inadequate in restoring reactor level.

The only remaining operable Emergency Core Cooling System (ECCS) pump is RHR pump "B". The pump auto starts but when its injection valve (RHR-V-42B) gets an open signal the valve fails to go open.

The F and A signal also causes the Reactor Building ventilation system to realign. Containment exhaust air valve 2A (CEP-V-2A) should close but fails to, this with Containment Exhaust valve 1A (CEP-V-1A) and Standby Gas Treatment isolation valve 1A (SGT-V-1A) not closing provides a flow path for high pressure Containment atmosphere to the Elevated Release via Standby Gas Treatment train A.

The Standby Gas Treatment train filter units were not designed for more than a few pounds of pressure. The LOCA will cause containment to rapidly pressurize to 25 psig, this pressure surge will damage the filters and components inside the filter unit.

Due to the loss of power to SM-7 Standby Gas Treatment train A will not start so Standby Gas Treatment train B will activate to maintain Reactor Building ventilation.

The loss of all ECCS pumps causes the core to remain uncovered. Level will rapidly drop past -129 (Alert) and continue dropping. A Site Area Emergency is declared due to Reactor water level less than -161 inches or from exceeding the Pressure Suppression Limit (PSP).

With the loss of adequate core cooling fuel damage starts to occur at 0830 and with the already established flow path to atmosphere via Standby Gas Treatment train A, radioactive material will be released. A General Emergency will be declared.

At 0835 an Equipment operator will manually open RHR-V-42B raising Reactor water level above the fuel and stopping further core damage.

At approximately 0850 upon hearing of the Site Area Emergency at WNP-2 on his radio a Burlington Northern freight train engineer panics and increases his trains speed to the point that it derails at the intersection of Hwy 395 and Eltopia Road West. The uninjured engineer staggers to a nearby home and calls 911.

At approximately 1000 the Control Room (Simulator) receives alarms on FCP-1 and FCP-2 for the DG corridor storage room on the 441 ft. level. A welder in his haste to leave the area after the Site Area Emergency was announced, left a smoldering fire that now erupts.

CASUALTY CONTROL

With the operating crew involved in the LOCA and LOOP the release flow path may or may not be readily recognized. If by 0915 the release path has not been isolated, a default message will have the control room (simulator) controller prompt the operating crew to isolate the release path.

Fuel damage will stop when adequate core cooling is established ie. the core covered with water. this will occur when RHR-V-42B is opened or HPCS pump is available and pumping.

Alternate evacuation routes will need to be established from the 10 mile Emergency Planning Zone (EPZ) because of the train derailment.

Fire Brigade fights fire in DG corridor storage room. Fire is in HP supplies stored there.

If by 1300 exercise is still ongoing because objectives have not yet been met, then Controller in TSC will interject message that repair plan for RHR-P-2C mechanical seal should be started if not already ongoing.

If by 1330 exercise is still ongoing, then Controller in TSC will interject message that repair plan for transformer TR-S should be started if not already ongoing.

TIME LINE SUMMARY
EXERCISE 92

TIME	ACTIVITY
0730	Start announcement of Exercise 92
0800	Main Generator trip, Reactor SCRAM, Loss of Startup Transformer (TR-S)
0800	Diesel Generator 2 start, Diesel Generator 1 fail to start
0805	Announce Unusual Event due to Loss of Offsite Power
0820	Loss of Cooling Accident, Containment purge lineup fails to isolate, Standby Gas Treatment train damaged, Release to atmosphere
0822	High Pressure Core Spray pump starts then trips on overcurrent, Residual Heat Removal pump "B" starts
0825	Residual Heat Removal pump "B" injection valve (RHR-V-42B) fails to open
≈0825	Announce Site Area Emergency due to Reactor water level less than -161 inches
≈0830	Fuel damage due to inadequate core cooling, Radioactive release to atmosphere, announce General Emergency.
≈0835	Residual Heat Removal pump "B" injection valve manually opened, Reactor water level returned to greater than -50 inches
≈0850	Train derailment at intersection of Hwy 395 and Eltopia Road West.
≈0915	Containment purge lineup isolated, atmospheric release terminated
	High Pressure Core Spray pump returned to service
	Diesel Generator 1 returned to service
≈1000	Fire Diesel Generator corridor laundry room
1300	Announce termination of Exercise 92
Note	Additional repair efforts will be instituted by the TSC at 1300 and 1330 if drill not terminated due to all objectives not yet being met.

EXERCISE '92

OBJECTIVES AND LIMITATIONS

A. SCOPE

The primary purpose of this Exercise, scheduled for December 8, 1992 is to demonstrate effective management of the emergency and plant reentry operations with efficient coordination and communications between the activated Supply System emergency centers; Control Room (simulator), Operations Support Center (OSC), Technical Support Center (TSC), the Emergency Operations Facility (EOF) and the Joint Information Center (JIC). The exercise will be characterized by required response to an emergency situation that will involve classification, notification, center activation, team deployment, accident prognosis and mitigation.

Timely and proper response by the players will contribute to mitigation of the simulated accident consequences. Participation by EOF & JIC liaison personnel, as well as offsite agencies to include Benton/Franklin Counties, Washington State Division of Emergency Management (DEM) and Department of Health (DOH), the Oregon State Department of Energy and US-DOE will occur.

B. OBJECTIVES AND LIMITATIONS

The Objectives and Limitations are divided into two major sections. The first section includes objectives/limitations which cannot be directly reflected in the NuReg 0654 criterion and FEMA standardized objectives. The second section, titled 'Standard Objectives' reflects FEMA standardized objectives, select NRC and FEMA criterion expressed in NuReg 0654 and select NRC criterion expressed in NuReg 0737. Demonstration of deficiency correction keyed to findings from earlier exercises and drills is indicated by document code numbers in parentheses. The Center/Agency responsible for each objective/criterion *(if not specifically stated in the objective/criterion)* is also delineated in the column after the criterion.

GENERAL OBJECTIVES

SUPPLY SYSTEM General Objectives and Limitations

1) To provide Supply System personnel with the opportunity to participate interactively with the State and County Offsite Response Organizations as well as with US-DOE RL Hanford Site operations.

2) To provide Supply System personnel with the opportunity to practice Casualty Control methodology for the prompt mitigation of the consequences of a postulated accident and/or radiological release.

3) To demonstrate the use by Supply System personnel of plant parameter type Emergency Action Levels (EAL's).

Limitations

1) The Primary Access Point and Alternate Access Point will remain functional for routine plant operations; Actual security is not to be jeopardized.

2) SCBA's may be worn by bearded personnel. SCBA's need only be utilized throughout the first deployment of each emergency worker if proficiency is demonstrated. In the interest of safety, SCBA's may be removed from anyone stressed by its use.

3) Operations and certain Security personnel playing in the Exercise will be individuals specifically predesignated as participants.

4) The Control Room will be exempted from Exercise play; the CR Simulator will serve in its stead. Not all CR functions are simulated in the CR Simulator. The main exceptions are listed, but not limited to the following:
   - No Secondary Alarm Station
   - No functional ENS to the NRC
   - Access is not limited
   - Select Balance-of-Plant equipment is not simulated
   - Certain divisional equipment is simulated for one, but not both divisions

5) No Protected Area or Owner Controlled Area Evacuation will be demonstrated during this Exercise.

6) No relocation of major emergency center or use of alternate emergency center will be demonstrated during this Exercise.

WASHINGTON STATE General Objectives and Limitations

No general objectives or limitations have been identified for Washington State.

OREGON STATE General Objectives and Limitations [1]

1) Test new and established methods for exchange of information between Oregon and other emergency response organizations as appropriate.

2) Test methods for exchange of information among Oregon emergency responders as appropriate.

BENTON/FRANKLIN COUNTY General Objectives and Limitations

No general objectives have been identified for Benton/Franklin Counties.

Limitations

1) Certain, select B/F personnel designated to demonstrate shift change play will have before-the-fact knowledge of the scenario.

US-DOE (RL) General Objectives and Limitations

1) Provide RL support to the WNP-2 Emergency Operations Facility and the MUDAC.

2) Communicate between RL responders at the EOF/MUDAC and the RL ECC.

3) Activate a DOE Region 8 Radiological Assessment Team in support of Washington State.

4) Activate a Hanford Radiological Field Team in accordance with a Memorandum Of Understanding (MOU) between the US Department of Energy Richland Field Office and the Washington Public Power Supply System.

5) Provide support from the Hanford Patrol to the Supply System in accordance with established MOU(s), should the scenario so require.

6) Provide RL/contractor support to the Supply System Joint Information Center.

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[1] The objectives for Oregon State contained within this document are for training and scenario development purposes only. Oregon's activities in the WNP-2 FNF Exercise '92 will not be evaluated by FEMA. Oregon may request informal comment from FEMA on Oregon's performance in the Exercise, but this will not be part of the formal exercise evaluation report.

Limitations

1) RL/RL Contractor involvement in this exercise will be limited to those resources identified in the RL Exercise Scope statement *(not a part of this document)*.

2) Hanford Site safety or security shall not be degraded for the sake of this exercise. All safety and security requirements and procedures shall be complied with during the exercise. This shall include proper entry and exit out of radiologically controlled areas.

3) The Patrol Operations Center (POC) business number, 373-3800, shall be used in lieu of 811. When using this number in lieu of 811, the caller must identify the communication as an exercise message.

SUPPLY SYSTEM, STATE & COUNTY
EXERCISE '92 STANDARD OBJECTIVES & LIMITATIONS

FEMA OBJECTIVE	NuREG 0654/0737 DEMONSTRATION CRITERION (NuREG Section in Bold Letters)	ORG's TO BE EVALUATED	OPEN ARCA's/CAR's (Bracketed Items to be demonstrated)	EXTENT-OF-PLAY, LIMITATIONS &/OR COMMENTS
I - MOBILIZATION OF EMERGENCY PERSONNEL Demonstrate ability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate capability to activate and staff emergency facilities for emergency operations	1 - Organizations utilize effective procedures to alert, notify and mobilize emergency personnel, IAW declaration of ECL's A.4.,D.3.,4.,E.1.,2	WA State B/F County SS-All Centers OR State	[WA91-1] [2]	This Criterion will be demonstrated. - The WA State EOC will be set up prior to the Exercise - WA State PIO staff, B/F County Liaison staff, and MUDAC staff responders from Western Washington will be pre-staged in the Tri-Cities as per agreement in previous Exercises; Due to the scenario 'Fast Start' WA State responders will be permitted to respond immediately upon declaration of Alert or higher EAL. - OR State EOC communications equipment will be set up prior to initial notice; OR responders to the Supply System EOF and JIC will be prestaged. - OR State EOC will be staffed by a control cell; OR PIO/Tech-Health Advisors/Plant Analyst and B/F County Liaison positions may be activated as needed to test exchange of information. - OR State will demonstrate mobilization of a representative to the MUDAC in addition to the OR rep at the OACC; MUDAC rep's role is to monitor the emergency and prepare to become a member of the PAD Group during the intermediate phase. - OR State will activate one field team.
	2 - Facilities are activated in a timely manner through mobilization of key personnel. E.1.,2 H.4	WA State B/F County WSP SS-All Centers	[S88-2] [S91-1] [CAR 91-0003]	This Criterion will be demonstrated

[2] *This is a Trojan FNF ARCA. The term 'activated' was used by the AD, EMD in an early crash phone conversation with the Trojan EOF when the required number of minimum staff were not present. The generic nature of the ARCA makes it possible to be demonstrated in the WNP-2 Exercise.*

SUPPLY SYSTEM, STATE & COUNTY
EXERCISE '92 STANDARD OBJECTIVES & LIMITATIONS

FEMA OBJECTIVE	NuREG 0654/0737 DEMONSTRATION CRITERION (NuREG Section in Bold Letters)	ORG's TO BE EVALUATED	OPEN ARCA's/CAR's (Bracketed Items to be demonstrated)	EXTENT-OF-PLAY, LIMITATIONS &/OR COMMENTS
	3 - Initial emergency messages contain adequate content and initial notification to offsites made within 15 minutes of declaration.**E.3**	SS - CR(Sim) EOFCC		This Criterion will be demonstrated
	4 - Plant staff is augmented by the Supply System's Emergency Organization **A.1**	SS - CR(Sim) OSC TSC		This Criterion will be demonstrated
	5 - Show the relationship between the normal staff compliment and the onsite emergency organization **B.1**	SS - CR(Sim) OSC TSC		This Criterion will be demonstrated
	6 - Show the conditions for the assumption and the line of succession for the PED **B.3**	SS - CR(Sim), TSC		This Criterion will be demonstrated
	7 - Show that minimum on-shift staffing levels as indicated in table B-1 are maintained, including the PED; show the ability to augment the onshift capabilities within one hour of the appropriate EAL declaration. **B.2 B.5**	SS - CR(Sim) OSC TSC		This Criterion will be demonstrated
II - FACILITIES - EQUIPMENT, DISPLAYS, AND WORK ENVIRONMENT Demonstrate the adequacy of facilities, equipment, displays and other materials to support emergency operations	1 - Facilities, equipment, maps and displays are sufficient to support emergency operations. **H. J.10.a.,b.,11 P.5**	WA State B/F County SS-All Centers OR State	[CAR 90-0047] [CAR 90-0055]	This Criterion will be demonstrated, however no EWAC or Relocation Centers will be activated

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EXERCISE '92 STANDARD OBJECTIVES & LIMITATIONS

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	2 - Access to the Facility is controlled H.	WA State B/F County SS-EOF, TSC & OSC	[CAR 90-0059]	This Criterion will be demonstrated. - In the EOF some doors which would ordinarily be locked as a part of access control during an real emergency will not be locked. - TSC & OSC access control is normal Protected Area control; No access control will be demonstrated for the CR Simulator, nor will Secondary Alarm Station *(and its functions)* which exist in the Plant CR be demonstrated in the Simulator. - Once controlled access to the WA State EOC is demonstrated, the WSP Guard will be dismissed
	3 - Offsite monitoring and analysis equipment data acquisition is performed. H.6	SS-MUDAC		This criterion will be demonstrated
III - DIRECTION & CONTROL Demonstrate the capability to direct and control emergency operations	1 - Designated personnel with leadership roles for the Organization provide direction and control to that part of the overall response effort for which they are responsible A.1.d.,2.a.,b	WA State B/F County SS-All Centers OR State	[S90-1] C90-7 [3] [C90-12] [CAR 91-0002]	This Criterion will be demonstrated -In the event of an actual emergency, the Exercise will be canceled or terminated. -This includes staging areas and field assignment locations (RoadBlocks & Schools only)

3 *C90-7 Was demonstrated in the May 9 EWAC Drill*

SUPPLY SYSTEM, STATE & COUNTY
EXERCISE '92 STANDARD OBJECTIVES & LIMITATIONS

FEMA OBJECTIVE	NuREG 0654/0737 DEMONSTRATION CRITERION (NuREG Section in Bold Letters)	ORG's TO BE EVALUATED	OPEN ARCA's/CAR's (Bracketed Items to be demonstrated)	EXTENT-OF-PLAY, LIMITATIONS &/OR COMMENTS
IV - COMMUNICATIONS Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field	1 - Comm systems available, operate properly and comm links established with appropriate locations. Comm capabilities managed in support of emergency operations **F.1.,2**	WA State B/F County SS-All Centers OR State	[S90-2] [C88-2] [CAR 90-0049] [CAR 91-0001] [CAR 91-0016] [CAR 91-0028]	This Criterion will be demonstrated -OR State will test communications between the OR EOC and the Supply System TDC State/County Tech Liaison; OR State will test communications between their EOC and Morrow/Umatilla Counties; OR State Field Teams will conduct cellular phone and radio tests to identify six communications points in Morrow and Umatilla Counties from which they can clearly hear and talk to the EOF.
	2 - Followup messages are made to offsite authorities which contain appropriate information **E.4**	SS - CR(Sim) TSC SSDC EOFCC		This criterion will be demonstrated
	3 - Reliable voice and data communications between licensee centers, NRC Operations Centers and state and local operations centers are maintained **8.2.1.g; 8.3.1; 8.4.1.f**	SS - All centers	[CAR 91-0016]	This criterion will be demonstrated. - NRC is to indicate to the Supply System the extent of their intended play
V - EMERGENCY WORKER EXPOSURE CONTROL Demonstrate the capability to continuously monitor and control radiation exposure to emergency workers	1 - The Organizations utilize appropriate dosimetry for emergency worker radiation exposure control. **H.10 K.3.a**	WA State B/F County SS-OSC, TSC & F/T		This Criterion will be demonstrated - Players outside of RCA's *(ie - in the EOF, EOC's)* will not be issued dosimetry; Direct reading dosimeters *(when issued to players)* will be inspected for electrical leakage by the player(s). - Radioactive material will not be utilized to 'spike' any sample, nor for contamination props.

SUPPLY SYSTEM, STATE & COUNTY
EXERCISE '92 STANDARD OBJECTIVES & LIMITATIONS

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	2 - Emergency workers periodically read and at the end of each mission, record their dosimeter readings on the appropriate exposure record or chart. Procedures are followed to manage radiological exposure so that emergency workers do not incur excess doses. **K.3.,4**	WA State B/F County SS-OSC, F/T		This criterion will be demonstrated, however players will not be issued exposure records/charts unless issued dosimetry *(refer to corollary limitation for Criterion V-1, above)* The second part of this criterion may be demonstrated by NRC/FEMA Evaluators interviewing at least one emergency worker regarding procedures to be followed when exposure limits/turnback exposure rate values are reached as this will not be part of scenario
	3 - Appropriate decisions are made to send emergency workers into areas within the plume exposure pathway emergency planning zone where special missions require higher dose limits **K.3.,4**	WA State B/F County SS - SSDC MUDAC F/T		NRC/FEMA Evaluators may interview decision maker players as this will not be part of scenario
	4 - Exposure guidelines are followed **K.2**	SS - OSC MUDAC		This criterion will be demonstrated
	5 - Individuals remaining or arriving onsite during the emergency have provisions made for: Individual respiratory protection Protective clothing KI **J.6**	SS-OSC		This criterion will be demonstrated
VI - FIELD RADIOLOGICAL MONITORING - AMBIENT RADIATION MONITORING Demonstrate appropriate use of equipment and procedures for determining field radiation measurements.	1 - Each team has the equipment to perform field radiation measurements **I.8.,11**	WA State SS - MUDAC F/T HPC		This Criterion will be demonstrated. - Supply System Field Team Instruments will range up to 50 R per Hour, not 100 R per Hour as suggested by FEMA-REP-15 POR 6.2 - Offsite field team members will not wear protective clothing in the field except those dispatched on the Hanford Reservation.

SUPPLY SYSTEM, STATE & COUNTY
EXERCISE '92 STANDARD OBJECTIVES & LIMITATIONS

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	2 - Each team performs all appropriate operational response checks of their equipment and instruments before deployment. Survey Instruments calibration is <12 months before exercise date. I.8.,11	WA State SS - MUDAC F/T HPC		This Criterion will be demonstrated.
	3 - Each team demonstrates proper deployment capability and procedures and promptly arrives at assigned monitoring locations. I.8.,11	WA State SS - MUDAC F/T		This Criterion will be demonstrated with the following exceptions: - monitoring locations are not preassigned - WA State & SS jointly work in determining confirmation, plume direction, plume edge, et al - The following items are covered in training, not in predeployment briefings as suggested by FEMA-REP-15 POR 6.8: o Exposure control procedures including use of KI o Survey procedures to be used o Procedures for determining plume edge o Iodine sampling procedures o Communication of radiological data - DOE Field Teams *(non-evaluated participants in the Exercise)* will not traverse the plume
	4 - Each team demonstrates proper field radiological monitoring procedures. I.11	WA State SS-F/T		This Criterion will be demonstrated. - Supply System Field Teams do not keep probes *(detectors)* enclosed in thin plastic as suggested by FEMA-REP-15 POR 6.17
	5 - Each team demonstrates capability to promptly report radiological data collected to the Field Team Coordinator N.1.a	WA State SS - MUDAC F/T		This Criterion will be demonstrated

SUPPLY SYSTEM, STATE & COUNTY
EXERCISE '92 STANDARD OBJECTIVES & LIMITATIONS

FEMA OBJECTIVE	NuREG 0654/0737 DEMONSTRATION CRITERION (NuREG Section in Bold Letters)	ORG's TO BE EVALUATED	OPEN ARCA's/CAR's (Bracketed Items to be demonstrated)	EXTENT-OF-PLAY, LIMITATIONS &/OR COMMENTS
	6 - Resources are provided and capability is shown to do plume EPZ field monitoring, including soil, vegetation and water sampling. Plant environs and radiological monitoring onsite and offsite will include collection and analysis of the above listed sample media and will show provisions for communications and recordkeeping **I.7; N.2.d**	SS - F/T HPC MUDAC		This Criterion will be demonstrated -Supply System Controllers may interject messages to ensure players perform these activities; this is not an ingestion scenario, thus not conducive for players to perform these activities as an ordinary course of play.
VII - PLUME DOSE PROJECTION Demonstrate capability to develop dose projections and protective action recommendations regarding evacuation and sheltering	1 - Plume location and dose are projected thru use of models, data from the field and data supplied by the licensee, and appropriate PAR's are developed **I.8.,10.,11**	WA State SS - CR (Sim) TSC MUDAC SSDC	[S91-3] [CAR 91-0027]	This Criterion will be demonstrated. *Advisory Note* - Due to the "fast start" scenario, the NRC/FEMA Evaluators tasked to observe initial PAR's should plan to station themselves in the Control Room Simulator.
VIII - FIELD RADIOLOGICAL MONITORING - AIRBORNE RADIOIODINE & PARTICULATE ACTIVITY MONITORING Demonstrate appropriate use of equipment and procedures for the measurement of airborne radioiodine concentrations as low as 10^{-7} uci/cc in presence of noble gases and obtain samples of particulate activity in the airborne plume	1 - Each Team has equip for field monitoring of airborne particulates and radioiodines in presence of noble gases **H.10.,I.9**	WA State SS-F/T		This Criterion will be demonstrated
	2 - Each field team performs appropriate operational checks of their equip and inst's before deployment. Survey inst's calibrated <12 months before the Exercise **H.10**	WA State SS-F/T		This Criterion will be demonstrated
	3 - Airborne radioiodine and particulate sampling procedures are followed and samples obtained **I.8.,9**	WA State SS-F/T		This Criterion will be demonstrated except to substitute Charcoal for Ag Zeolite
	4 - Procedures for measurement of airborne radioiodine and particulate activity are followed **I.9**	WA State SS-F/T, HPC		This Criterion will be demonstrated
	5 - Data pertaining to field measurements of radioiodine in air and particulates are promptly and accurately transmitted IAW the organization's plan **I.8.,11**	WA State SS - F/T MUDAC SSDC	[S89-8]	This Criterion will be demonstrated - MUDAC will demonstrate providing documentation of field team sample results to other organizations.

SUPPLY SYSTEM, STATE & COUNTY
EXERCISE '92 STANDARD OBJECTIVES & LIMITATIONS

FEMA OBJECTIVE	NuREG 0654/0737 DEMONSTRATION CRITERION (NuREG Section in Bold Letters)	ORG's TO BE EVALUATED	OPEN ARCA's/CAR's (Bracketed Items to be demonstrated)	EXTENT-OF-PLAY, LIMITATIONS &/OR COMMENTS
	6 - Particulate filter and iodine cartridge samples are properly bagged/tagged & promptly delivered to a designated location. I.7.,8.,9	WA State SS-F/T, HPC		This Criterion will be demonstrated, however play will be limited to delivery to Supply System EOF; there will be no WA State Lab involvement
IX - PLUME PROTECTIVE ACTION DECISION MAKING Demonstrate capability to make timely and appropriate PAD's	1 - Demonstrate that a decision making process involving consideration of all relevant factors and all necessary coordination is utilized. J.9.,10.m	WA State B/F County		This Criterion will be demonstrated
X - ALERT & NOTIFICATION Demonstrate capability to promptly alert & notify public within the 10 mile plume pathway EPZ and to disseminate instructional messages to the public on the basis of decisions by appropriate or Local officials	1 - Activities associated with primary alerting and notification are completed within 15 minutes of the initial decision by authorized offsite emergency officials E.5.,6.,7	WA State B/F County	[S89-1] [C90-14]	This Criterion will be demonstrated - No sirens will be sounded except for those sirens inside the Exclusion Area Boundary - EBS messages will be broadcast over control cell [4] - Primary ROUTE alerting &'notification is outside the scope of the FNF Plan for. WNP-2 and will not be demonstrated as is suggested by FEMA-REP-15 POR 10.6
	2 - Backup route alerting and notification is completed within approximately 45 minutes E.6			This Criterion will not be demonstrated
	3 - ORO's use supplementary route alerting to complement primary route alerting &/or notification methods E.6	B/F County		This Criterion may be demonstrated by FEMA Evaluators interviewing at least one emergency worker regarding procedures to be followed concerning drive-thru's of areas which have been advised to shelter or evacuate.

4 Demonstration of the Columbia River ANS and Radio Station KONA test ebs message will occur in the month of October, 1992.

SUPPLY SYSTEM, STATE & COUNTY
EXERCISE '92 STANDARD OBJECTIVES & LIMITATIONS

FEMA OBJECTIVE	NuREG 0654/0737 DEMONSTRATION CRITERION (NuREG Section in Bold Letters)	ORG's TO BE EVALUATED	OPEN ARCA's/CAR's (Bracketed Items to be demonstrated)	EXTENT-OF-PLAY, LIMITATIONS &/OR COMMENTS
	4 - ORO's provide an alert signal and begin transmitting an initial instructional msg to exception area populations located 5-10 miles from the nuclear power plant within 45 minutes of the initial alert and notification decision. **E.6**	B/F County		Exception Area alerting will be demonstrated by sounding the new 5-10 mile sirens on the Columbia River upstream & downstream of the WNP-2 Site; However, this demonstration is to be held in the month of October due to environmental impact of sounding the sirens in December.
	5 - Individuals inside the Protected and Owner Controlled Areas are warned or advised in a timely manner. **J.1**	SS - CR(Sim) EOFCC TSC		This criterion will be demonstrated
XI - PUBLIC INSTRUCTIONS & EMERGENCY INFO Demonstrate capability to coordinate the formulation & Dissemination of accurate information & instructions to the public	1 - All message accurately reflect the decisions made by responsible authorities **E.5.,7**	B/F County OR State		This Criterion will be demonstrated, however transmissions will be via control cell, no actual radio station transmittal will occur
	2 - Message contain information & instructions understandable to the public and facilitate initiation of recommended Protective actions by the public **E.**	B/F County OR State	[C90-16]	This Criterion will be demonstrated -However, the joint county EOC will demo capability to develop & transmit EBS in Spanish language as part of the Siren/EBS demonstration to be conducted in the month of October.
	3 - ORO's coordinate content of notification messages with all appropriate staff, organizations & jurisdictions **A.1.b E.5.,7**	B/F County OR State	[C89-1] [C90-17]	This Criterion will be demonstrated
	4 - If ingestion pathway measures are exercise, pre-printed information and instructions are available for rapid reproduction and distribution to pre-determined individuals & businesses **E.5.,7 J.9.,11**			This Criterion will not be demonstrated

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XII - EMERGENCY INFORMATION - MEDIA Demonstrate the capability to coordinate the development & dissemination of clear, accurate & timely information to the news media	1 - Organizations provide a central location and procedure for dealing with the media in a coordinated manner **G.3.a G.4.a.,b**	WA State B/F County SS-JIC OR State		This Criterion will be demonstrated - OR State will take part in JIC news conferences; The Oregon EOC News Center will not be activated
	2 - Organizations use dissemination of information to the media as supplementary methods for providing emergency information to the public **E.7 G.3.a G.4.a.,b.,c**	WA State B/F County SS-JIC OR State	[S89-4] [CAR 90-0036]	This Criterion will be demonstrated [5]
	3 - Provide space for a limited number of news media at the EOF. **G.3.b**	SS - EOF		This Criterion will be demonstrated -However, the Supply System does not intend to provide roleplayers to occupy the space; NRC Evaluators may request to be shown the space during the Exercise
	4 - Provide and demonstrate performance of a knowledgeable spokesperson who has access to all necessary information **G.4.a**	SS - JIC		This Criterion will be demonstrated -The Supply System Exercise Controllers may elect to provide, as appropriate, certain information to the spokesperson via control cell queries vice the spokesperson interrupting daily business of non-players to obtain the data.
XIII - EMERGENCY INFO - RUMOR CONTROL Demonstrate capability to establish and operate rumor control in a coordinated and timely manner	1 - Rumor control staff responds promptly & accurately to calls **G.4.a.,b.,c**	WA State B/F County SS-JIC		This Criterion will be demonstrated-A Control Cell will be manned with sufficient staff such that each rumor control staff member will respond to no less than 6 calls/hour for a 2-3 hour period during the height of the scenario
	2 - Measures are taken to control the spread of rumors that threaten to have adverse impact on adherence to PAR's **G.4.a.,c**	WA State B/F County SS-JIC		This Criterion will be demonstrated

5 *We intend to obtain journalism students or others to simulate role of reporters during briefings*

SUPPLY SYSTEM, STATE & COUNTY
EXERCISE '92 STANDARD OBJECTIVES & LIMITATIONS

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	3 - *Coordinated arrangements for dealing* with rumors are provided and implemented **G.4.c**	SS - JIC		This Criterion will be demonstrated
XIV - IMPLEMENTATION OF PROTECTIVE ACTIONS - USE OF KI FOR EMERG WORKERS, INSTITUTIONALIZED INDIVIDUALS & GENERAL PUBLIC Demonstrate capability and resources to implement KI protective actions for emergency workers, institutionalized individuals and, if the plan specifies ***(which it doesn't)***, the general public	1 - KI is made available once a decision to recommend use of KI is made. Appropriate record keeping of the administration of KI for Emergency workers and institutionalized individuals is effected **J.10.e.,f**	WA State B/F County SS - TSC OSC F/T		This Criterion will be demonstrated. - Transportation & distribution will be simulated by physical distribution of a substitute item *(ie - empty pill bottle)*;County Emergency workers will be issued complete emergency worker kits; There are no institutionalized persons inside the 10 mile WNP-2 EPZ
	2 - Sufficient quantities of KI available for emergency workers & institutionalized individuals **J.10.e.,f**	WA State B/F County SS - TSC OSC HPC		NRC/FEMA Evaluators may either physically inventory or check the inventory documentation to verify KI quantities
	3 - Appropriate instructions are available for those advised to take KI **E.7 J.10.e.,f**	WA State B/F County SS - TSC OSC F/T	[S90-11]	This Criterion will be demonstrated
XV - IMPLEMENTATION OF PROTECTIVE ACTIONS - SPECIAL POPULATIONS Demonstrate capability & resources necessary to implement appropriate protective actions for special populations	1 - Special population groups within areas subject to *protective actions are identified & alerted/notified* **E.7 J.10.c.,d.,e**	B/F County		This Criterion will be demonstrated, however contact is to be simulated by calls to control cells
	2 - Providers of transportation resources for all affected special population groups are identified & contacted. Adequate resources are secured, including special resources for disabled persons. **J.10.d.,g**	B/F County		This Criterion will be demonstrated. - Special population will be simulated; B/F EOC will demonstrate dispatch and route traverse to/from the address of the special population.

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XVI - IMPLEMENTATION OF PROTECTIVE ACTIONS - SCHOOLS Demonstrate capability & resources necessary to implement protective actions for school children within the plume pathway EPZ	1 - ORO officials contact school officials & provide protective action recommendations **J.9 10.c.,d.,g**	B/F County Plume School		This Criterion will be demonstrated-the public school in the plume pathway will receive notification from the Organization. Private schools have indicated they choose not to participate.
	2 - Upon notification of emergency conditions, school officials decide upon & implement Protective actions for schools **J.10.d.,g**	Plume School		This Criterion will be demonstrated. Participation will be limited to the school Principal and bus driver. Bus will physically participate and will traverse the route to/from the school. No participation by students or teachers at the school will occur.
	3 - School system officials capable of providing timely & accurate information on the status of school protective actions to ORO's responsible for emergency notification to the public **E.5.,7 J.10.c.,d.,g**	Plume School		This Criterion will be demonstrated
XVII - TRAFFIC & ACCESS CONTROL Demonstrate organizational capability and resources necessary to control evacuation traffic flow and to control access to evacuated and sheltered areas	1 - The location of traffic & access control points, consistent with scenario events & exercise play, are determined. Appropriate instructions for establishing these traffic & access control points are issued **J.10.g.,j**	B/F County Sheriff Dept	[CAR 90-0025] [CAR 90-0029]	This Criterion will be demonstrated. - Air traffic control &/or RxR traffic control will be simulated through calls to control cell *(FAA & BN not participating)*. - Demonstration of evacuation verification in accordance with B/F Procedure IP-6 will be performed as part of this criterion. FEMA desires to interject a controller/evaluator input as part of exercise play; *ie - at a given point in time, request the demonstration of certain routes*; However, staffing demonstration of evacuation verification will be limited to no more than two sites.

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	2 - Traffic & access control points, consistent with instructions provided to traffic & access control staff, are established **J.10.g.,j.,k**	B/F County Sheriff Dept		This Criterion will be demonstrated. However, staffing demonstration of access/traffic control points will be limited to two sites. Staffing of the balance of required sites will be simulated. FEMA desires to interject a controller/evaluator input as part of exercise play; *ie - at a given point in time, request the demonstration of certain ACP's.* Supporting organization mutual aid mobilization and staff dispatch will be demonstrated as part of this criterion.
	3 - ORO's demonstrate capability to request assistance for effecting access control and removing impediments, when necessary **C.1.a.,b J.10.j.,k**	B/F County WA State		This Criterion will be demonstrated, subject to the limitations to criterion XVII-4, below
	4 - Impediments to evacuation are identified & promptly removed **J.10.j.,k**	B/F County		This Criterion will be demonstrated. The impediment will be simulated; No actual impediment will be placed or sited. Contact by the County of such resource as wreckers will be accomplished via control cell. Players will be expected to reroute traffic instead of removing impediment; Actual impediment removal will not be demonstrated.
XVIII - RECEPTION CENTER - MONITORING, DECONTAMINATION, REGISTRATION Demonstrate the adequacy of procedures, facilities, equipment, and personnel for the radiological monitoring, decontamination and registration of evacuees	1 - The reception center(s) has adequate space available for the monitoring, decon & registration of evacuees & is operation in a timely manner **J.10.h.,12**			This Criterion will not be demonstrated [6]

[6] *This and subsequent criterion in Objective XVIII were demonstrated in the May 9 EWAC drill*

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	2 - The reception center(s) has adequate & appropriate resources, is set up in logical order for its operation and control of contamination, and has trained staff and procedures sufficient to accomplish monitoring of evacuees within the time frames established in the organization's plan **H.10 I.8 J.9 10.h.,12**		C90-9 [7]	This Criterion will not be demonstrated
	3 - Procedures & equipment for monitoring and decontamination of evacuees are adequate **J.9 10.h 12**			This Criterion will not be demonstrated
	4 - Evacuees are properly registered **J.12**			This Criterion will not be demonstrated
	5 - Vehicles and evacuees possessions arriving at reception centers are monitored for contamination and decontaminated, if necessary **H.10 I.8 J.9 12.j**			This Criterion will not be demonstrated
XIX - CONGREGATE CARE Demonstrate the adequacy of facilities, equipment, supplies, personnel & procedures for congregate care of evacuees	1 - Emergency operations center personnel determine the need to activate congregate care centers on the basis of scenario events and exercise play requirements. Providers of congregate care capable of meeting those needs are identified & contacted **J.10.d.,h 12**			This Criterion will not be demonstrated [8]

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7 *C90-9 and C90-10 were demonstrated in the May 9 EWAC Drill*

8 *This and subsequent criterion in Objective XIX were demonstrated in the May 9 EWAC drill*

SUPPLY SYSTEM, STATE & COUNTY
EXERCISE '92 STANDARD OBJECTIVES & LIMITATIONS

FEMA OBJECTIVE	NuREG 0654/0737 DEMONSTRATION CRITERION (NuREG Section in Bold Letters)	ORG's TO BE EVALUATED	OPEN ARCA's/CAR's (Bracketed Items to be demonstrated)	EXTENT-OF-PLAY, LIMITATIONS &/OR COMMENTS
	2 - Managers of congregate care facilities demonstrate that the centers have resources to provide services and accommodations consistent with American Red Cross planning guidelines. Managers demonstrate the procedures to assure that evacuees have been monitored for contamination and are uncontaminated prior to entering congregate care facilities. **J.10.h 12**			This Criterion will not be demonstrated
XX - MEDICAL SERVICES - TRANSPORTATION Demonstrate the adequacy of vehicles, equipment, procedures, and personnel for transporting contaminated, injured, or exposed individuals.	1 - Nature and extent of external radiological contamination of an individual is determined. **L.4**			This Criterion will not be demonstrated [9]
	2 - Emergency medical personnel who are responsible for transporting individuals from the accident site use appropriate contamination control measures. **L.4**			This Criterion will not be demonstrated
	3 - The appropriate official makes a determination on the identity of the medical facility to which the individual will be taken and the individual is transported without undue delay **L.4**			This Criterion will not be demonstrated
	4 - Communications are maintained with the receiving medical facility **L.4**			This Criterion will not be demonstrated
	5 - The vehicle and its occupants are monitored to detect the nature and extent of radiological contamination and decontaminated, if necessary **J.9 L.1.,3**			This Criterion will not be demonstrated

[9] *This and subsequent criterion in Objective XX were demonstrated in the June 25 MS-1 drills*

SUPPLY SYSTEM, STATE & COUNTY
EXERCISE '92 STANDARD OBJECTIVES & LIMITATIONS

FEMA OBJECTIVE	NuREG 0654/0737 DEMONSTRATION CRITERION (NuREG Section in Bold Letters)	ORG's TO BE EVALUATED	OPEN ARCA's/CAR's (Bracketed Items to be demonstrated)	EXTENT-OF-PLAY, LIMITATIONS &/OR COMMENTS
XXI - MEDICAL SERVICES - FACILITIES Demonstrate the adequacy of the equipment, procedures, supplies, and personnel of medical facilities responsible for treatment of contaminated, injured, or exposed individuals	1 - Appropriate medical facility staff are present or available on short notice **L.1.,3**			This Criterion will not be demonstrated [10]
	2 - The receiving medical facility completes preparations for arrival of the individual and sets up appropriate contamination control measures **F.2 H.10 L.1.,3**			This Criterion will not be demonstrated
	3 - Medical facility personnel demonstrate the capability to determine if individuals are contaminated and demonstrate the procedures and equipment to remove contamination **L.1.,3**			This Criterion will not be demonstrated
	4 - Medical facility personnel maintain contamination control measures during and after treatment of individual **L.1.,3**			This Criterion will not be demonstrated
XXII - EMERGENCY WORKERS, EQUIPMENT, AND VEHICLES - MONITORING AND DECONTAMINATION Demonstrate the adequacy of procedures for the monitoring and decontamination of emergency workers, equipment, and vehicles	1 - Resources and facilities for monitoring emergency workers and equipment (including vehicles) and for contamination control are adequate and appropriate **H.10 K.5.a.,b**			This Criterion will not be demonstrated [11]
	2 - Emergency workers are monitored for radioactive contamination and decontaminated as appropriate **K.5.a.,b**			This Criterion will not be demonstrated
	3 - Vehicles and equipment are monitored and decontaminated as appropriate **K.5.b**			This Criterion will not be demonstrated

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10 *This and subsequent criterion in Objective XXI were demonstrated in the June 25 MS-1 drills*

11 *This and subsequent criterion in Objective XXII were demonstrated in the June 25 MS-1 drills*

SUPPLY SYSTEM, STATE & COUNTY
EXERCISE '92 STANDARD OBJECTIVES & LIMITATIONS

FEMA OBJECTIVE	NuREG 0654/0737 DEMONSTRATION CRITERION (NuREG Section in Bold Letters)	ORG's TO BE EVALUATED	OPEN ARCA's/CAR's (Bracketed Items to be demonstrated)	EXTENT-OF-PLAY, LIMITATIONS &/OR COMMENTS
XXIII - SUPPLEMENTARY ASSISTANCE (FEDERAL/OTHER) Demonstrate the capability to identify the need for external assistance and to request such assistance from Federal or other support organizations	1 - Supplementary assistance is requested when need for outside organizational support is established **C.1.a.,b C.3.,4**	WA State OR State SS - SSDC MUDAC JIC		This Criterion will be demonstrated. - If called for by the scenario, OR Health will request assistance from the US-DOE in coordination with WA State - Supply System will demonstrate this in accordance with US DOE (RL) General Objectives 1-6, inclusive, listed earlier in this document
	2 - ORO's demonstrate the capability to support and facilitate the response of external organizations **C.1.a.,b.,c C.3.,4**	B/F County WA State SS - SSDC MUDAC JIC	[S90-12]	This Criterion will be demonstrated - Supply System will demonstrate this in accordance with US DOE (RL) General Objectives 1-6, inclusive, listed earlier in this document
XXIV - POST-EMERGENCY SAMPLING Demonstrate the use of equipment and procedures for the collection and transportation of samples from areas that received deposition from the airborne plume	**I.8 J.11 H.12**			This Criterion will not be demonstrated [12]
XXV - LABORATORY OPERATIONS Demonstrate laboratory operations and procedures for measuring and analyzing samples	**C.3 J.11 2**			This Criterion will not be demonstrated
XXVI - INGESTION EXPOSURE PATHWAY - DOSE PROJECTION AND PROTECTIVE ACTION DECISION MAKING Demonstrate the capability to project dose to the public for the ingestion pathway and to recommend protective measures	**I.8 J.10 II J.11**			This Criterion will not be demonstrated

12 *This and subsequent criterion in Objectives XXIV thru XXIX, inclusive, apply to the Ingestion Exercise Scheduled in 1994*

SUPPLY SYSTEM, STATE & COUNTY
EXERCISE '92 STANDARD OBJECTIVES & LIMITATIONS

FEMA OBJECTIVE	NuREG 0654/0737 DEMONSTRATION CRITERION (NuREG Section in Bold Letters)	ORG's TO BE EVALUATED	OPEN ARCA's/CAR's (Bracketed Items to be demonstrated)	EXTENT-OF-PLAY, LIMITATIONS &/OR COMMENTS
XXVII - INGESTION EXPOSURE PATHWAY - PROTECTIVE ACTION IMPLEMENTATION Demonstrate the capability to implement protective actions for ingestion exposure pathway	**E.5.,7 J.9.,11**			This Criterion will not be demonstrated
XXVIII - RELOCATION, RE-ENTRY, AND RETURN - DECISION MAKING Demonstrate the capability to develop decisions on relocation, re-entry, and return	**A.1.b I.10 M M.1**			This Criterion will not be demonstrated
XXIX - RELOCATION, RE-ENTRY, AND RETURN - IMPLEMENTATION OBJECTIVE Demonstrate the capability to implement relocation, re-entry, and return	**M.1 3**			This Criterion will not be demonstrated
XXX - CONTINUOUS, 24-HOUR STAFFING Demonstrate the capability to maintain staffing on a continuous, 24-hour basis through an actual shift change	1 - A shift change is demonstrated for all agencies responsible for providing continuous, 24-hour staffing **A.4**	B/F County	[C90-11]	This Criterion will be demonstrated for Benton & Franklin Co personnel only. - B/F County shift change will occur at approximately 1230 hours. - Supply System personnel will not demonstrate shift change in this Exercise
	2 - The transition from the outgoing shift to incoming shift is accomplished without discontinuity in operations. The incoming shift is knowledgeable and capable of demonstrating their emergency response functions **A.4**			This Criterion will not be demonstrated
XXXI - OFFSITE SUPPORT FOR THE EVACUATION OF ONSITE PERSONNEL Demonstrate the capability to provide offsite support for the evacuation of onsite personnel	1 - Offsite support is provided, if requested by the licensee, to assist with the evacuation of onsite personnel. **J.2**	SS		This Criterion will not be demonstrated. This Criterion assumes that County/ will or may assist in onsite licensee personnel evacuation. There is no MOU nor intent for this to occur.

SUPPLY SYSTEM, STATE & COUNTY
EXERCISE '92 STANDARD OBJECTIVES & LIMITATIONS

FEMA OBJECTIVE	NuREG 0654/0737 DEMONSTRATION CRITERION (NuREG Section in Bold Letters)	ORG's TO BE EVALUATED	OPEN ARCA's/CAR's (Bracketed Items to be demonstrated)	EXTENT-OF-PLAY, LIMITATIONS &/OR COMMENTS
	2 - Arrangements are coordinated with other offsite organizations to expedite evacuation of onsite personnel J.2	SS		This Criterion will not be demonstrated. This Criterion assumes that County/ will or may assist in onsite licensee personnel evacuation. There is no MOU nor intent for this to occur.
	3 - Individuals within the protected area and owner controlled area are warned or advised J.1	SS - CR(Sim) TSC EOFCC CAS		This Criterion will be demonstrated. -warnings will be limited to those provided over the various PA & PA Alerting systems, the Owner-Controlled area sirens and operations/security two-way radio frequencies
XXXII - UNANNOUNCED EXERCISE OR DRILL Demonstrate capability to carry out emergency response functions in an unannounced exercise or drill	1 - Organizations conduct an unannounced exercise or drill N.1.b			This Criterion will not be demonstrated [13]
	2 - Organizations use effective procedures to alert, notify, and mobilize key emergency personnel in accordance with declaration of ECL's. In the case of an unannounced drill, at least one key staff member is mobilized to the EOC. E.1.,2 N.1.b			This Criterion will not be demonstrated
	3 - Communications links with other EOC's are established in a timely manner E.1.,2			This Criterion will not be demonstrated
XXXIII - OFF - HOURS EXERCISE OR DRILL Demonstrate the capability to carry out emergency response functions during an off-hours exercise or drill.	1 - Organizations conduct an off-hours exercise or drill N.1.b			This Criterion will not be demonstrated [14]

[13] *The 1991 Exercise was conducted as an unannounced Exercise*

[14] *This and subsequent criteria in Objective XXXIII will be satisfied for State, County and Supply System in the 1993 Exercise*

SUPPLY SYSTEM, STATE & COUNTY
EXERCISE '92 STANDARD OBJECTIVES & LIMITATIONS

FEMA OBJECTIVE	NuREG 0654/0737 DEMONSTRATION CRITERION (NuREG Section in Bold Letters)	ORG's TO BE EVALUATED	OPEN ARCA's/CAR's (Bracketed Items to be demonstrated)	EXTENT-OF-PLAY, LIMITATIONS &/OR COMMENTS
	2 - Organizations use effective procedures to alert, notify and mobilize key emergency personnel in accordance with declaration of ECL's. In the case of an off-hours drill, at least one key staff member is mobilized to the EOC E.1.,2 N.1.b			This Criterion will not be demonstrated
	3 - Communications links with other EOC's are established in a timely manner. E.1.,2 N.1.b			This Criterion will not be demonstrated
XXXIV - LICENSEE OFFSITE RESPONSE ORGANIZATIONS Demonstrate capability of licensee offsite response organization [Licensee (ORO)] personnel to interface with non-participating organizations and accomplish coordination essential for emergency response	C.5			This Criterion will not be demonstrated

EVALUATOR / CONTROLLER LIST
EXERCISE 92

1. PLANT

CONTROL ROOM (Simulator)

Lead Controller/Evaluator	Carl Becker
Simulator Controller/Evaluator	OJ Brooks
Lead Scenario Controller	Pat Bagan
GDS/CIS Controller	Dean Kovacs
Simulator Programmer	Fred Guyer
Real Control Room Controller	On-Shift CRS

OPERATIONS SUPPORT CENTER

Lead Controller/Evaluator	Bruce Olson
Reentry Team Controller/Evaluators	
Mechanical	Jim Cooper
Electrical	Brian Evans
Instrument & Control	Ken Kirley
Lead HP Controller/Evaluator	Gary Phillips
Health Physics	Max Valdez
Health Physics	Carl Hemphill
Health Physics	Don Ehlert
Health Physics	Mike Tuel
PET Controller/Evaluator	'Skip' Fowler

NR = Not Required
TBD = To Be Determined

Chemistry Controller/Evaluator	NR

TECHNICAL SUPPORT CENTER

Lead Controller/Evaluator	Mark Reis
Evaluator	Terry Meade

CENTRAL ALARM STATION

Lead Controller/Evaluator	Andy Conner

2. EMERGENCY OPERATIONS FACILITY

SUPPLY SYSTEM DECISION CENTER

Lead Controller/Evaluator	Garvin Godfrey

SECURITY DECISION CENTER / EOF COMMUNICATIONS CENTER

Lead Controller/Evaluator	Sue Morris

OFFSITE AGENCY COORDINATION CENTER

Lead Controller/Evaluator	Doug Coleman

TECHNICAL DATA CENTER

Lead Controller/Evaluator	Dennis Armstrong

HEALTH PHYSICS CENTER

Lead Controller/Evaluator	Ron Wardlow

METEOROLOGY & UNIFIED DOSE ASSESSMENT CENTER

Lead Controller/Evaluator	Terry Chrisler
Dose Projection Evaluator	Jesse James
Field Team Coordinator Controller/Evaluator	Bryce Twitty

NR = Not Required
TBD = To Be Determined

WPPSS Field Team Controller/Evaluators:

Team Number One	Charlie McDonald
Team Number Two	Terry Northstrom
Team Number Three	Steve Rejniak
Aerial Monitoring Controller/Evaluator	Not Staffed

3. HEADQUARTERS

JOINT INFORMATION CENTER

Lead Evaluator	Joan Houchins
Controller/Evaluator	Sandra Day Carl Van Hoff

CRISIS MANAGEMENT CENTER

Lead Controller/Evaluator	Not Staffed

CONTROL CELL

Lead Controller	Nancy Garza/Jim Landon

Telephone Query/Role Player Controllers:

Public Information	
Media Information	Suzanne Livingston
State/County Agencies	TBD

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CONTROLLER COMMUNICATIONS LISTING
EXERCISE 92

AREA	CENTER/POSITION	PERSON	PHONE
Plant	Actual Control Room Controller	On-Duty CRS	377-2348
	OSC - Lead Controller	B Olson	377-2730
	TSC - Lead Controller	MP Reis	377-2310
	CAS - Lead Controller	AJ Conner	377-2089
	Simulator - Lead Controller	CJ Becker	377-8567
	Lead Scenario Controller	PT Bagan	377-8567
EOF	SSDC - Controller	GH Godfrey	377-8181
	EOFCC - Controller	S Morris	377-8228
	OACC - Controller	DW Coleman	377-8071
	TDC - Controller	DA Armstrong	377-8092
	MUDAC - Lead Controller	TE Chrisler	377-8191
	HP Center - Controller	RL Wardlow	(750 PSF Page)
Exercise Command Center	Exercise Director	RL Utter	377-8330
		(or pager)	780-0505
	Control Coordinator	PT Bagan	377-8567
HQ	JIC - Lead Controller	JD Houchins	372-5860
	Control Cell - Lead Controller	N Garza	372-5346

CELLULAR PHONES

FIELD TEAM CONTROLLER PHONE NUMBERS OF RESPECTIVE VEHICLES

PHONE	LICENSE#	NOTE:
948-0485	C58462	*CONTROLLERS CALL MUDAC @ 377-8191*
948-0484	C58614	
948-0483	C58468	

CELLULARS ARE FOR THE USE OF CONTROLLERS ONLY

notes & exceptions . . .

In an emergency or failure of radios during the Drill, the cellulars may be used by the players.

Cost is expensive, limit use accordingly.

Controllers need to have hands-on training (10 minutes)

GENERAL
EVALUATOR/CONTROLLER INSTRUCTIONS
EXERCISE 92

A. **Exercise Preparation:** Under the supervision of the Exercise director, the following will ***normally*** be accomplished prior to the exercise:

1. Completion of the scenario package.

2. Arrangements for required facilities, including for the larger drills and the exercise, use of the simulator.

3. Validation run of the scenario on the simulator, and the loading of scenario data on the graphics display system emulator.

4. Scheduling of pre- and post-drill meetings with evaluators/controllers and players, and evaluator/controller training for those not certified.

5. Procurement of props, realistic staging of casualty areas and briefings of any role players. However, neither actual plant operations, security or personnel safety are to be jeopardized.

6. Administrative and logistical arrangements, e.g., pager carrier duty roster revisions, controller and simulator communications set up, coffee and doughnuts contract, etc.

B. **Exercise Meetings for Evaluators and Controllers:** There will normally be two meetings:

1. A exercise package issue and overview meeting will be conducted for all evaluators/controllers; such things as objectives, limitations, schedules, evaluator/controller assignments, scenario introduction, the organization of scenario forms, messages, anticipated responses, general data sheets, critical points, and special evaluator/controller instructions will be covered.

2. Evaluator/controller team (center) breakout sessions will be conducted for all evaluators/controllers covering such things as specific messages, data input, event evaluation assignments, team communications, documentation and other coordination matters.

C. **Exercise Players Briefings:**

1. A briefing on the exercise activities will be conducted for preassigned players, covering generalities of the exercise package. An excerpt from the exercise package can be issued as a handout. Topics should include: introduction, schedule, player positions to be activated, instructions for players, any recent procedural changes and any special coordination matters. A synopsis of current Plant Conditions may be disseminated at this time.

2. Informal table top drills may also be conducted prior to an exercise to review center/team operations, procedures, etc. However, specifics on the particular scenario are not to be compromised.

D. **Exercise Evaluation and Control:**

1. Scenario Inputs:

Scenario messages and data will be provided to the players by center controllers or a controller in the control cell in as realistic a manner as possible. For example, a controller may call the Shift Manager and role-play as the BPA dispatcher with a scenario message; a controller may provide simulated radiation readings to a reentry team HP technician from a scenario package data sheet if commensurate with the type and scale setting of the instrument being used. Controllers do not provide conclusions, they furnish simulated sensory inputs, e.g., if the portrayed emergency condition actually existed, what would be seen, heard, smelled, etc.

Controllers are specifically cautioned against 'letting-on' to the Players what might/might-not be successful during Exercises and, to a lesser extent, during Drills. Controllers/Evaluators are not to inform the players of such items except as specifically permitted by the scenario or by permission from the Exercise Director or Lead Scenario Controller. [1] Additionally, Controllers are cautioned not to permit player 'pre-staging' unless specifically permitted by the scenario. Should players

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[1] During the 1991 Exercise, the NRC observed that a Controller had informed an OSC player that attempts to restore water to the reactor would not be successful until 2:00 PM. This information was then, apparently, passed on to the TSC where it appeared to be common knowledge. Corrective Action Report no. 91-0023 documents this NRC Observation. Emergency Preparedness has committed to caution Controller/Evaluators not to inform players of this (and like) items, except as appropriate.

show up at emergency centers or other areas in which Drill/Exercise play is to be conducted before it is appropriate for them to arrive, the Controller in charge is to request them to leave the area. [2]

2. Scenario Deviations:

   a. Controllers seeing a need to modify the scenario should inform their team lead controller, who will contact the exercise director.

   b. Only the exercise director has the authority to start, stop or deviate the scenario. Scenario deviations, especially on the larger drills and the exercises are to be infrequent and only implemented after thorough coordination, to include any lead federal evaluators and lead offsite agency controllers. The exercise director is also responsible for arbitrating any jurisdictional or interagency disagreements which may occur during the exercise.

3. Performance Evaluation:

   a. Player task performance must be closely monitored by evaluators, as well as controllers as long as it does not interfere with their controller functions. Action taken should be compared with anticipated responses and procedural guidance. Evaluator logs are to be used to record observations. Center/team documentation should also be checked to verify the chronology of events and for correctness.

   b. Interference by evaluators/controllers with player actions should be minimized, with questioning restricted to slack times and the immediate critique session right after the exercise, with the following major exceptions:

      o Safety - Evaluators/controllers will immediately intervene to prevent or mitigate any unsafe condition or act.

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[2] **In the 1991 Exercise, the NRC observed that one player arrived in the TSC and signed in on the exercise sheet approximately 13 minutes prior to the event announcement which initiated manning of the TSC. This is documented on CAR 91-0021. Emergency Preparedness has committed to caution Controllers to not permit prestaging unless specifically permitted by the scenario.**

- o Major scenario deviation - If the players depart from the anticipated responses to the extent successful run of the scenario, and the meeting of drill objectives, is jeopardized.

- o **During drills only,** for brief, on-the-spot informal training to address incorrect task performance. ***This is NOT permitted during graded exercises.***

c. The reasons for incorrect task performances must be captured for proper preparation of the drill critique. This normally requires thorough questioning of the individual(s) involved.

E. Critiques

1. Immediate In-Center Critique Sessions:

Conducted in the center by the Emergency Planner or Lead controller immediately after the exercise, this informal session will be used to provide the players with feedback, ensure Center Director/Manager is aware of his/her responsibility to return center/team equipment to readiness state, resolve issues, complete any informal training and ascertain any systematic reasons behind unfavorable observations. For some findings it may be necessary to conduct a category 3 Root Cause Analysis (RCA) pursuant to PPM 1.3.48. The key is to determine the "why" of each unfavorable observation involving personnel error that indicates a problem with the system, e.g., improper procedural step, poor personnel selection for the position, ambiguous training, etc. The Emergency Planners or Lead Controllers are to collect all logs, After-Action Reports, and administrative paper work for delivery at the formal critique session.

2. Formal Critique Work Session:

Normally conducted the day after the exercise, this session involves two phases:

a. Specific center team breakout sessions for all evaluators/ controllers will be held during this day. During these sessions observations are discussed, researched with players and drafted up on the critique work sheets as either favorable and unfavorable observations. Time-line inputs and answers to specific evaluation questions will be assembled during this time.

Necessary RCA's with the players if present will be completed at this time, to assure a reason for each unfavorable finding is ascertained using the RCA flow sheets. Final team/center documentation and CARs will be prepared for submission by the Emergency Planner or Lead Controller. ***Key players may also be called to participate in these sessions.***

b. In the afternoon a center lead controller session is held, team inputs are discussed and submitted, appropriate observations are consolidated, assignments are made for any required follow-on actions and issues are identified and categorized for the written formal critique. Again, key players may be requested to be present.

3. Written Critique:

The exercise director will disseminate a written critique usually within 30 days of the exercise. The critique will normally consist of:

Part I - Chronology: A time line of the major scenario and player response activities.

Part II - Assessment of Drill Objectives: An identification of any of the objectives that were not met and the reasons.

Part III - Favorable Observations: Any noted display of special initiative or judgement meeting one of the two following definitions:

- Exceptional Performance - A display of initiative or judgement that exceeds procedural requirements to mitigate emergency conditions.

- Noteworthy Performance - A display of procedural initiative or judgement that is performed with a high degree of efficiency to mitigate an emergency condition.

Part IV: Corrective Action Records: Unfavorable findings divided by severity as defined below, as well as by those already closed out (normally involving isolated personnel errors) and those still requiring action (normally involving needed equipment, procedure, software, training, etc., fixes).

In categorizing the severity of exercise findings, the potential significance of the concern under investigation should not be minimized by the possibly limited scope of the scenario. The concern should be extrapolated out to determine the potential total impact under a worse case real event situation:

a. **Major Deficiencies:** Observed inadequacies that preparedness is not adequate to provide reasonable assurance for the health and safety of the public, and/or that of emergency workers.

b. **Minor Deficiencies:** Findings which have emergency response impact but do not adversely impact the health and safety of the general public or of emergency workers.

c. **Items of Clarification:** Findings which do not have an adverse impact on health and safety, but would enhance an organization's level of emergency preparedness.

Part V - Informational Observations: Major points that warrant consideration but do not meet the criteria for unfavorable findings, e.g., efforts directed by a center staff did not appear to be in the most efficient sequence. These do not require resolution or tracking. For critiques of exercises and the larger drills, the critique may simply make reference to a separate report disseminating informational observations to interested parties.

Part VI - Participants: A listing of all recorded participants who are to receive credit for the activity.

Part VII - Minority Opinion - In the unlikely event some evaluators/ controllers take exception to the content of the report, their minority opinion will be stated here.

SPECIAL EVALUATOR/CONTROLLER INSTRUCTIONS
EXERCISE 92

A. CONTROL

1. **Player Response:** Players at all of the different emergency centers are to interact with one another as if the simulated situations actually exist. However, communications that would be initiated to individuals and agencies not actually playing in the drill, e.g., BPA, Hanford Patrol, National Weather Service, etc., are to be made to controllers in the control cell who will role play the parts.

2. **Coordination:** Emergency Planners or lead controllers in each of the emergency centers will be linked by telephones set aside for that purpose. This will be used for exercise control coordination, such as to resolve problems or make needed scenario deviations. A controller communications listing is attached.

3. **Player Participation:** For additional players the current players want to use who would not normally be at the plant under the given exercise conditions, inject a one-hour response delay time before the additional player(s) are allowed to be used.

B. RECORD KEEPING

1. **Logs:** Evaluator log forms are at the "Evaluator Logs" tab. Also, you may write observations on the message forms, anticipated response forms or data sheets.

2. **Times:** Accurate times are important. Call the Simulator at X-8942 to set your watch to the official exercise time. Do this after hearing the PA announcement that the Exercise has started to ensure you will recieve an answer on the phone.

3. **Participants:** Player and Controller/Evaluator listings for your center should be documented for "credit" purposes. Special attendance records should be signed by each player during the drill. These records are to be turned in at the formal critique work sessions.

FAVORABLE OBSERVATION WORKSHEET

Exercise 92

EVALUATOR NAME	ORGANIZATION

FAVORABLE OBSERVATION FOR:

(List the Center, Team and Personnel involved)

A. Favorable Finding:

UNFAVORABLE OBSERVATION WORKSHEET
EXERCISE 92

EVALUATOR NAME	ORGANIZATION

UNFAVORABLE OBSERVATION FOR:

(List the Center, Team and Personnel involved)

A. Relevant Objectives *(List from Objectives section of the Scenario Package)*:

B. Findings *(who, what, when, where, consequences, violation)* **ALL MUST BE COMPLETED**

WHO?:

WHAT?:

VIOLATION REFERENCE? *(if different or in addition to section A, above)*

WHEN?:

WHERE?:

CONSEQUENCES?:

PERSONNEL CONTACTED TO VERIFY ACCURACY OF FINDING? *(List who)*:

(Write on the back of this form if you need more space)

C. Cause(s) from the Basic Root Cause Determination *(in Section III C of the scenario package)*:

WHY?:

D. Feedback *(complete for <u>personnel</u> performance issues identified in the Basic Root Cause Determination)*:

1. **Involved personnel briefed on findings?** ____ Yes; ____ No.
2. **Root Cause analysis attached?** ____ Yes; ____ No.

DRILL & EXERCISE
ROOT CAUSE ANALYSIS SUMMARY SHEET

Name of Evaluator/Controller Initiating Analysis:	Unfavorable Observation Number:

Initial Information Collection

Further description of the event or problem identified in the unfavorable observation. It is permissible to refer to the originating document *(the unfavorable observation sheet)*, rather than re-write the description here.

Pertinent Data - *Identify sources of data. e.g. - center logs, team logs, procedure excerpts, personal statements, etc. Attach the data to this summary sheet.*

ATTACHMENT	DESCRIPTION
A	
B	
C	
D	
E	
F	

Names of other personnel, besides yourself, who assisted in performing the Root Cause Analysis:

Date Completed:

DRILL/EXERCISE UNFAVORABLE OBSERVATION
ROOT CAUSE ANALYSIS GUIDE

A. **General**

The cause of incorrect **personnel** task performance(s) will be included for each unfavorable observation. If simple questioning of the player(s) involved fails to identify the cause(s), then a Category 3 type root cause analysis *(RCA)* will be conducted by and evaluator/controller in accordance with this guide and attached to the unfavorable observation.

B. **Process**

1. Initiate the Root Cause Analysis Summary Sheet *(Enclosure 1)* by filling in the blanks for your name and the unfavorable observation number [1]

2. Gather the information necessary to complete the Initial Information Collection and Pertinent Data Blocks on the enclosure. Question involved personnel and complete personal statements on Personal Statement Forms *(Enclosure 2)*.

3. Using the information gathered, determine root cause(s) of the problem by application of the basic root cause determination method on the supplied copy of the Root Cause Tree. *Do not hesitate to collect additional information if necessary to validate your findings.*

   a. For the problem being analyzed, determine if the **primary cause** [2] is equipment, personnel, or procedures *(Section A of the tree)*.

   b. For each area in Section A of the tree identified as a primary cause, determine which subcategory *(Section B of the tree)* led to the primary cause. To do this, a list of questions *(Section C of the tree)* has been developed.

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[1] **Use your own numbering system . . . Just start with number 1, number 2, etc.**

[2] **Although the root cause(s) may be determined to be realated to only one of these primary categories, all three should be considered initially to ensure complete coverage. Without complete consideration of the three categories, ALL root causes may not be identified.**

c. For any question in Section C of the tree which is answered "Yes", it is a root cause. Any root cause shall be circled for easy identification. Limiting root cause(s) to those identified in the tree will aid in the trending of similar problems.

4. List at the bottom of the Root Cause Analysis Summary Sheet (Enclosure 1) the names of personnel, besides yourself, who assisted in performing the RCA. List the completion date of the RCA.

5. Attach the completed Root Cause Analysis Summary Sheet *(Enclosure 1)*, accompanying Personal Statement Forms *(Enclosure 2)*, and copies of any other relevant documentation, *e.g., center/team logs, etc.,* to the unfavorable observation critique worksheet.

Enclosures:

1. Root Cause Analysis Summary Sheet

2. Personal Statement Form

PLAYER/OBSERVER INSTRUCTIONS
EXERCISE 92

A. **Player's Rules**

1. General Instructions for all players:

   a. Player designation: Players should be selected with several criteria in mind.

      1) All emergency response personnel should be available to attend a players meeting.

      2) Players need not be pre-designated for this exercise, with the exception of select Operations and HP personnel.

      3) Only the correct number of players will be allowed to play per the Emergency Organization Assignment List. Credit will only be given for those personnel who play specific positions.

      4) All emergency response personnel should rotate as drill/exercise participants so that an individual has served in his/her position(s) or as a Controller/Evaluator at least once every two years.

   b. Exercise

      1) Exercise pager carriers, carry the pager for your position.

      2) When you arrive at your center and are designated to remain and be a player, sign in on the exercise attendance record. Put on the player badge and arm band.

   c. Interactions with evaluators and controllers:

      1) Answer any questions and ask questions if you are not clear on controller inputs.

      2) React as if their scenario inputs are real.

      3) Refer any disagreements up management channels.

      4) Controllers may interrupt the play for essential reasons.

d. Safety

1) Follow procedures and safety rules. Use safeguards and safety equipment provided. Make safety a primary responsibility.

2) Realize safety takes precedence over all other requirements.

3) In case of accident or injury, know and follow existing procedures. Realize controllers may intervene to stop the play to terminate an unsafe act.

e. Realism

1) Complete all required calls to non-participating outside agencies by calling the exercise control cell, where a controller will simulate the party whom you need to reach. Telephone numbers and instructions unique to the exercise are provided as part of this section. Use the Emergency Phone Directory for other emergency personnel and center numbers.

2) Play out all actions as much as possible in accordance with your emergency plan and procedures as if it were a real emergency.

3) Realize a need to respond to an actual emergency will take priority over the exercise play.

f. Exercise administrative items:

1) Start and conclude PA announcements, radio transmissions and phone conversations with the statement "This is an Exercise".

2) A shift change will not be required.

3) At the conclusion of the Exercise, remain in place for a debriefing and Facilitative Post-Exercise critique [1] by the Emergency Planner assigned to the center or the Lead Controller. Fill out and submit After Action Reports with specific comments on the exercise.

4) Lunches will be provided.

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[1] The NRC has new rules regarding the critique process. These rules were printed in the February 18, 1992 Federal Register. The rules are now in effect.

2. Additional instructions for JIC and EOF players:

a. Mutual aid response may **NOT** be demonstrated.

3. Additional instructions for Plant and EOF Players.

a. Realism:

1) Attempt mitigation of the accident.

2) Minimal simulation will be granted. Realistic detailed responses will be required, especially by Plant reentry teams. For example, a team ordered to perform a specific task will need to gather the necessary testing equipment, tools, supplies and replacement parts. They will be required to describe verbally any action taken that must be simulated.

3) Real time exercise data will be available on the computer monitors in the EOF and the TSC. The data can be viewed on the display terminals and printed out on local printers.

4) Critical data *(eg - Plant Parameters)* for the exercise that is not on the display terminals will be available from the controllers in the centers.

5) Physical manipulations of plant operational equipment and systems shall be simulated, but must be described verbally to the controller.

6) PA system usage both in-plant and the EOF shall be restricted to exercise activities, control room functions, normal operations activities or actual emergency activities, *(i.e., minimize personnel paging).*

7) At exercise termination:

o All centers/kits shall be returned to full pre-exercise emergency preparedness status.

o SCBA bottles that were used shall be replaced with full bottles. The SCBA's shall be inspected, cleaned and placed back in their emergency locations prior to securing from work for the day.

c. Radiation levels:

1) Act as if radiation levels are actually present.

2) If required by the simulated conditions and procedures, each radiation worker will need to don and continue using anti-c's throughout each of his/her deployments. **There is one exception:**

Field monitoring teams will not wear protective equipment off the Hanford Reservation.

3) For the exercise, respirators are to be donned, if and when required by simulated conditions and procedures. **The following conditions apply:**

- *Each Player, if & when required, is to demonstrate*
  - *Donning an SCBA*
  - *Exhausting (breathing out) one complete bottle*
  - *Changing to a fresh bottle*

- *After having demonstrated the three items above, the Player will not be required to wear an SCBA in subsequent deployments, however -*
  - *Players communicating by either radio or telephone shall simulate communications difficulties (ie - put on a face mask to muffle his/her voice)*
  - *When dispatching Players, ample delay is to be built in to simulate donning/un-donning activities (ie - putting on & taking off the SCBA)*
  - *The same Players shall not be repeatedly used on the various dispatched teams in order to avoid demonstration of SCBA use by other Players.*

- *SCBA's may be used by bearded personnel (ie - There is no need to shave if you are required to wear an SCBA in the Drill)*

4) Protective clothing from normal plant supply should be used to reduce replacement in emergency kits.

5) Silver zeolite cartridges should not be used to sample for radioiodine. Use Charcoal cartridges.

6) To maintain separation from normal samples, if any samples are provided to the counting room at the plant or EOF, they should be marked "Exercise Sample" as appropriate. These samples and analytical results will be collected by the controller at the end of the exercise. Samples will not be "spiked."

4. Additional instructions for Plant Players:

a. Player designation:

1) Accountability, although performed, will not be an objective of this exercise.

2) The simulator will be used for the exercise to portray the Control Room. Control Room players will be pre-designated. They, unlike other players, will be notified of the Exercise start date and time. They are to report to the Simulator prior to the start of the Exercise.

b. Exercise administrative items:

1) Exercise activities shall be conducted such as to minimize the affect on normal plant operating activities. The normal plant access points will remain functional during this exercise.

2) All routine security procedures remain in effect.

c. Security

1) Some security officers will be dedicated to exercise participation.

2) If required, mockup dosimetry at the PAP and AAP will be transported (evacuated) in lieu of real dosimetry.

B. Observer's Information

1. Identification: Potential observers must contact the exercise coordinator no later than the week prior to the exercise for clearance to observe the exercise. Those willing to accept an evaluator's role will then have access to the area(s) to be evaluated. Designated evaluators will be committed to the schedule of controller/evaluator orientations and work sessions.

2. Observers' Rules: Observers are expected to observe the following rules of emergency exercise observer etiquette:

   - o Remain in designated observer areas within each emergency center.
   - o Do not ask questions of the players.
   - o Do not distract the players, evaluators or controllers by loud talking, etc.
   - o Adhere to any posted no smoking signs or similar prohibitions.

3. Exercise coordinators who may be contacted for evaluator duties, observer clearance or other particulars on the emergency exercise:

Plant & EOF Centers	RL Utter	377-8330
Plant & EOF Centers	TE Chrisler	377-8300
Plant & EOF Centers	PT Bagan	377-8643
Joint Information Center	JD Houchins	372-5116

SPECIAL PLAYER TELEPHONE USE INSTRUCTIONS
EXERCISE 92

1. During the exercise, the Supply System emergency centers and the State, Counties, and DOE-RL Emergency Operations Centers will be activated. Exercise communications and coordination should take place between the players and controllers at these centers.

   If realistic play of the exercise requires you to contact someone at an agency not participating in the drill, e.g., General Electric, Coast Guard, National Weather Service, Kadlec Hospital staff, etc., use the appropriate number listed below. Controllers will then role-play as representatives of the respective agency, and may have scenario information essential to your needs. When calling one of the listed numbers, specify the agency you wish to reach, e.g., *"This is the REM calling for the National Weather Service."*

Players from:	Call:	For:
Supply System Centers	372-5440	Any other Agency
	372-5686	Any other agency
B/F Counties EOC	372-5201	Non-participating Agencies
WA State EOC	372-5247	Non-participating Agencies
Any Center	372-5308	Oregon Agencies

2. The PSF Simulator will be used to portray the Control Room, use the following corresponding numbers to contact the staff there:

Control Room Position	Actual Control Room Number	Simulator Number to Call
Shift Manager	2278	8978
Control Room Supv.	2348	8948
Shift Tech. Advsr.	2083	8103
Reactor Operators	2242	8942
Tag Desk	2658	8958
Outside Line	377-2691	377-8991
Fax Line	209	217
Dial-Up	309	317

3. **Do Not Use** the Emergency Notification System (ENS) phone in any emergency center. In order to simulate making NRC communication, call the Control Cell at 377-8095.

4. **Do Not Use** the Health Physics Network (HPN) telephone system. This applies to the TSC and many of the Centers in the EOF.

5. Drill Emergency calls that would in reality be made on 2222 to the control room and EOF Communications Center should be made on 8832 (Simulator).

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DEFINITIONS/ACRONYMS
EXERCISE 92

AFFF	Aqueous Film Forming Foam
AG	Agriculture, Department of Washington State
AAP	Alternate Access Point
ARC	American Red Cross
ARM	Area Radiation Monitor
ATWS	Anticipated Transient Without Scram
B	Backup
BOP	Balance of Plant
BPA	Bonneville Power Administration
CAC	Containment Atmosphere Control
CAS	Central Alarm Station
CCTV	Closed Circuit Television
CEP	Containment Exhaust, Purge
Ci	Curie
CN	Containment Nitrogen (Inerting System)
CR	Control Room
CRD	Control Rod Drive
CSP	Containment Supply, Purge
CVB	Containment Vacuum Breaker
DBA	Design Basis Accident
DEM	Department of Emergency Management
DG	Diesel Generator
DGB	Diesel Generator Building
DOE	Department of Energy
DOT	Department of Transportation, Washington State
DSHS	Department of Social and Health Services, Washington State
DW	Drywell
EBS	Emergency Broadcast System
ECCS	Emergency Core Cooling System
EDPS	Emergency Dose Projection System
EFPD	Effective Full Power Days
EFSEC	Energy Facility Site Evaluation Council, Washington State
EO	Equipment Operator
EOC	Emergency Operations Center
EOF	Emergency Operations Facility
EOFCC	Emergency Operations Facility Communications Center
EPIO	Emergency Public Information Officer
EPIP	Emergency Plan Implementing Procedure
EPZ	Emergency Planning Zone
ERP	Elevated Release Point

EWAC	Emergency Worker/Assistance Center
FAX	Facsimile
FEMA	Federal Emergency Management Agency
FN	Fan
FRTS	Fire Remote Transfer Switch
GPM	Gallons Per Minute
H_2	Hydrogen
HCC	Headquarters Communication Center
HP	Health Physics
HPCS	High Pressure Core Spray
HVAC	Heating, Ventilation, and Air Conditioning
I&C	Instrumentation and Control
JIC	Joint Information Center
KI	Potassium Iodide Thyroid Blocking Agent
KV	Kilovolt
LLEA	Local Law Enforcement Agency
LOCA	Loss of Cooling Accident
LOOP	Loss of Offsite Power
L/O	Lockout (Circuit Breaker)
LPCI	Low Pressure Coolant Injection
LPCS	Low Pressure Core Spray
MREM	Millirem
MPF	Multipurpose Facility
MS	Main Steam (line)
MSIV	Main Steam Line Isolation Valve
MSS/RV	Main Steam Safety/Relief Valve
MUDAC	Meteorology and Unified Dose Assessment Center
NRC	Nuclear Regulatory Commission
N_2	Nitrogen
NS^4	Nuclear Steam Supply Shutoff System
O_2	Oxygen
OACC	Offsite Agency Coordination Center
OCB	Oil Circuit Breaker
OOS	Out of Service
OSC	Operations Support Center
PAD	Protective Action Decision
PAG	Protective Action Guide
PAP	Primary Access Point
PAR	Protective Action Recommendation
PASS	Post-Accident Sampling System
PED	Plant Emergency Director
PEO	Patrol (Hanford) Emergency Operations
PI	Pressure Indicator
PIO	Public Information Officer

PS	Pressure Switch
PSIG	Pounds Per Square Inch
PUD	Public Utility District
Quad	Quadrant, evacuation
RACES	Radio Amateur Civil Emergency Service
RB	Reactor Building
RCIC	Reactor Core Isolation Cooling
RCPB	Reactor Coolant Pressure Boundary
REA	Reactor Exhaust Air
REM	Radiological Emergency Manager
RFP	Reactor Feed Pump
RHR	Residual Heat Removal
RL	Richland Operations; Department of Energy
RM	Recovery Manager
ROA	Reactor Outside Air
RPM	Radiation Protection Manager
RPS	Reactor Protection System
RPV	RX Pressure Vessel
RRA	Reactor Recirculating Air
RW	Rad Waste Building
RX	Reactor
S	Startup
SAS	Secondary Alarm Station
SC	Suppression Chamber
SDC	Security Decision Center
SDV	Scram Discharge Volume
SECON	Security Condition
SFP	Spent Fuel Pit
SGTS	Standby Gas Treatment
SLC	Standby Liquid Control
SM	Shift Manager
SP	Suppression Pool
SSDC	Supply System Decision Center
SSW	Standby Service Water
TDC	Technical Data Center
TGB	Turbine Generator Building
TK	Tank
TR	Transformer
TSC	Technical Support Center
USCG	United States Coast Guard
V	Valve
VDC	Volts Direct Current
WC	Window Closed, Gamma, Radiation Detection Instrument
WEIC	Washington Emergency Information Center

WNP-2	Washington Nuclear Project Number 2
WO	Window Open, Beta and Gamma, Radiation Detection Instrument
WSP	Washington State Patrol
WW	Wetwell

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

CONTROLLER INFORMATION
SCENARIO MESSAGES

DRILL NO.	PAGE
EXERCISE 92	1 OF 1

MESSAGE NO.	REAL TIME OF:	DRILL TIME OF:
1	0730	0000

CONTROLER LOCATION: CONTROL ROOM (SIMULATOR) & EOFCC

CONTROLER NAME	ORGANIZATION

MESSAGE FOR: ALL PERSONNEL

MESSAGE FROM: CONTROL ROOM (SIMULATOR) & LEAD EOFCC CONTROLLERS

MESSAGE:

Please make the following announcements on the Plant and PSF PA's.

THIS IS AN EXERCISE. . . THIS IS AN EXERCISE.

EXERCISE 92 IS NOW IN PROGRESS. PERSONNEL NOT IDENTIFIED AS PARTICIPANTS IN THE EXERCISE SHOULD CONTINUE WITH THEIR NORMAL WORK SCHEDULE.

THIS IS AN EXERCISE . . . THIS IS AN EXERCISE.

REFERENCE GENERAL DATA SHEETS: _____

FOR CONTROLLER USE ONLY

REPEAT THIS PA ANNOUNCEMENT APPROXIMATELY EVERY HOUR.

WASHINGTON PUBLIC POWER
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CONTROLLER INFORMATION
SCENARIO MESSAGES

DRILL NO.		PAGE
EXERCISE 92		1 OF 1

MESSAGE NO.	REAL TIME OF:	DRILL TIME OF:
2	1300	0000

CONTROLLER LOCATION: CONTROL ROOM (SIMULATOR) & EOFCC

CONTROLLER NAME	ORGANIZATION

MESSAGE FOR: ALL PERSONNEL

MESSAGE FROM: CONTROL ROOM (SIMULATOR) & LEAD EOFCC CONTROLLERS

MESSAGE:

Please make the following announcements on the Plant and PSF PA's.

THIS IS AN EXERCISE. . . THIS IS AN EXERCISE.

EXERCISE 92 IS NOW TERMINATED. PERSONNEL IDENTIFIED AS PARTICIPANTS IN THE DRILL SHOULD RETURN TO THEIR EMERGENCY CENTER TO CONDUCT POST EXERCISE CRITIQUE.

THIS IS AN EXERCISE . . . THIS IS AN EXERCISE.

REFERENCE GENERAL DATA SHEETS:

FOR CONTROLLER USE ONLY

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

CONTROLLER INFORMATION
SCENARIO MESSAGES

DRILL NO.	PAGE
EXERCISE 92	1 OF 1

MESSAGE NO.	REAL TIME OF:	DRILL TIME OF:
3	01430	0000

CONTROLER LOCATION: CONTROL ROOM (SIMULATOR) - OSC

CONTROLER NAME	ORGANIZATION

MESSAGE FOR: CONTROL ROOM (SIMULATOR) - OSC PERSONNEL

MESSAGE FROM: CONTROL ROOM (SIMULATOR) - OSC LEAD CONTROLLER

MESSAGE:

THIS IS A DEFAULT MESSAGE

IF BY 0915 THE RELEASE TO ATMOSHERE HAS NOT BEEN ISOLATED DIRECT CONTROL ROOM PERSONNEL TO ISOLATE RELEASE BY CLOSING SGT-V-3A-2.

IF PLANT PERSONNEL ATTEMPT TO ISOLATE RELEASE BEFORE 0915 TELL THEM CONGRATULATIONS ON FINDING A QUICK TERMINATION TO THE RELEASE BUT FOR THE PURPOSES OF THE DRILL THE RELEASE CANNOT BE TERMINATED UNTILL 0915.

THIS IS A DEFAULT MESSAGE

REFERENCE GENERAL DATA SHEETS: _____

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CONTROLLER INFORMATION
SCENARIO MESSAGES

DRILL NO.		PAGE
EXERCISE 92		1 OF 1
MESSAGE NO.	REAL TIME OF:	DRILL TIME OF:
4	0845	0000

CONTROLER LOCATION: CONTROL ROOM (SIMULATOR) - OSC

CONTROLER NAME	ORGANIZATION

MESSAGE FOR: CONTROL ROOM (SIMULATOR) - OSC PERSONNEL

MESSAGE FROM: CONTROL ROOM (SIMULATOR) - OSC LEAD CONTROLLER

MESSAGE:

THIS IS A DEFAULT MESSAGE

IF BY 0845 AN OPERATOR OR PET HAS NOT OPENED RHR-V-42B, OPEN RHR-V-42B IN THE SIMULATOR AND TELL OPERATOR OR PET RESPONDING TO THE VALVE TH THEY OPENED IT AND TO REPORT BACK TO THE CONTROL ROOM AND \ OR OSC

THIS IS A DEFAULT MESSAGE

REFERENCE GENERAL DATA SHEETS: _____

FOR CONTROLLER USE ONLY

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CONTROLLER INFORMATION
SCENARIO MESSAGES

DRILL NO.	PAGE
92E	1 of 1

MESSAGE NO.	REAL TIME OF:	DRILL TIME OF:
7	1300	

CONTROLLER LOCATION: TSC

CONTROLLER NAME	ORGANIZATION

MESSAGE FOR: PLANT EMERGENCY DIRECTOR

MESSAGE FROM: TSC CONTROLLER

MESSAGE:

THIS IS AN EXERCISE . . . THIS IS AN EXERCISE

For the purpose of the Exercise start a "Repair Plan" for the mechanical seal on RHR-P-2C. This is to provide another low pressure source of water for the reactor vessel to backup RHR-P-2B.

THIS IS AN EXERCISE . . . THIS IS AN EXERCISE

REFERENCE GENERAL DATA SHEETS:

FOR CONTROLLER USE ONLY

THIS MESSAGE IS TO BE GIVEN IN ORDER TO KEEP THE TSC AND OSC PERSONNEL ACTIVE. IF THE TSC IS ALREADY BUSY OR IF A REPAIR PLAN FOR RHR-P-2C HAS ALREADY BEEN LOOKED AT DISREGARD THIS MESSAGE

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CONTROLLER INFORMATION
SCENARIO MESSAGES

DRILL NO.		PAGE
92E		1 of 1

MESSAGE NO.	REAL TIME OF:	DRILL TIME OF:
8	1330	

CONTROLLER LOCATION: TSC

CONTROLLER NAME	ORGANIZATION

MESSAGE FOR: PLANT EMERGENCY DIRECTOR

MESSAGE FROM: TSC CONTROLLER

MESSAGE:

THIS IS AN EXERCISE . . . THIS IS AN EXERCISE

For the purpose of the Exercise start a "Repair Plan" for Transformer TR-S. This is to ensure an off-site source of power will be available.

THIS IS AN EXERCISE . . . THIS IS AN EXERCISE

REFERENCE GENERAL DATA SHEETS:

FOR CONTROLLER USE ONLY

THIS MESSAGE IS TO BE GIVEN IN ORDER TO KEEP THE TSC AND OSC PERSONNEL ACTIVE. IF THE TSC IS ALREADY BUSY OR IF A REPAIR PLAN FOR TR-S HAS ALL READY BEEN LOOKED AT DISREGARD THIS MESSAGE.

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SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.		PAGE
EXERCISE 92		1 of 3
SHEET NO.	RESPONSIBLE CONTROLLER *(LOCATION)*	
1	CR (SIM) \ TSC \ OSC	
REAL TIME OF: 0800	TO: 1430	DRILL TIME OF: TO:
ASSOCIATED WITH MESSAGES		INFORMATION APPLIES TO: CEP AND SGT VALVE FAILURES

At 0800 the Main Turbine/Generator trips there is a Loss Of Offsite Power (LOOP), and Diesel Generator 1 fails to start. The containment is being deinerted and the loss of power should cause valves supplied by SM-7 to fail. Air operated valves CEP-V-1A (MCC 7AE fails closed) and SGT-V-2A (MCC 7AE fails open) do not reposition due to valve problems. Motor operated valves fail as is so SGT-V-1A (MCC 7BB) and SGT-V-5A-1 (MCC 7BB) are open. This means there is still a flow path from containment to the Elevated Release.

INDICATIONS

Control Room Panel P813(H)

CEP-V-2A Indicates OPEN

CEP-V-1A No indication (valve OPEN)

Control Room Panel P827(K1)

SGT-V-1A No indication (valve OPEN)

SGT-V-2A No indication (valve CLOSED)

SGT-V-3A-2 Indicates OPEN

SGT-FN-1A1 No indication

SGT-V-4A-1 No indication (valve CLOSED)

SGT-V-5A-1 No indication (valve OPEN)

RB 548 N (RM 509)

CEP-V-2A Position indicator reads OPEN

CEP-V-1A Position indicator reads OPEN (solenoid de-energized)

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CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.		PAGE
EXERCISE 92		2 of 3
SHEET NO. 1	RESPONSIBLE CONTROLLER *(LOCATION)* CR (SIM) \ TSC \ OSC	
REAL TIME OF: 0800	TO: 1430	DRILL TIME OF: TO:
ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO CEP AND SGT VALVE FAILURES	

RB 572 SGT TRAIN A

SGT-V-1A Fails as is OPEN

SGT-V-2A Fails as is CLOSED (solenoid de-energized)

SGT-FN-1A1 OFF

SGT-V-4A1 Fails as is CLOSED

SGT-V-5A1 Fails as is OPEN

At 0820 a Loss Of Coolant Accident (LOCA) occurs which results in High Drywell Pressure (F signal) and Low Reactor Vessel Level (A signal). This should cause Containment isolation valves to close and Standby Gas Treatment to lineup and start to maintain Secondary Containment pressure. All the valves in the purge lineup that failed do to the loss of power remain in those positions. In addition CEP-V-2A starts to go closed but gets stuck partially open due to the high drywell pressure exerted on it. This allows the pressurized containment a release path to atmosphere through Standby Gas Treatment Train A. Standby Gas Treatment Train B auto starts to maintain Secondary Containment pressure.

INDICATIONS

Indications are the same as for the loss of power before with the addition of:

Control Room Panel P813(H)

CEP-V-2A Indicates MID-POSITION

Control Room Panel P811(K2)

SGT train B lined up to maintain Secondary Containment pressure.

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.		PAGE
EXERCISE 92		3 of 3
SHEET NO. 1	RESPONSIBLE CONTROLLER *(LOCATION)*	CR (SIM) \ TSC \ OSC
REAL TIME OF: 0800	TO: 1430	DRILL TIME OF: TO:
ASSOCIATED WITH MESSAGES		INFORMATION APPLIES TO: CEP AND SGT VALVE FAILURES

RB 548 N (RM 509)

CEP-V-2A Position indicator reads partially OPEN

RB 572 SGT TRAIN B

SGT Train B lined up to maintain Secondary Containment pressure

NOTE

If PET asked to reposition any valves, all valves can be manually repositioned. Ensure Control Room (Simulator) Controller is made aware of any valve positioning.

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.		PAGE
EXERCISE 92		1 of 1
SHEET NO. 2	RESPONSIBLE CONTROLLER *(LOCATION)* CR (SIM) \ TSC \ OSC	
REAL TIME OF: 0800 TO:	DRILL TIME OF: TO:	
ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO TR-S LOCKOUT	

At 0800 the main turbine\generator trips. TR-S supply breakers close to pick up the load. An internal short on the high side winding of the TR-S causes the formation of gas bubbles and a pressure spike. The gas forces oil into the conservator tank which picks up the Buchholz relay tripping TR-S off. There is now a loss of offsite power (LOOP). Also the pressure spike opens the pressure relief device on TR-S.

INDICATIONS

Control Room Panel P800-C4

1-7 XFMR TR-S LOCKOUT TRIP
Actuates on sudden pressure (Buchholz relay)
Picks up 86TS relay which trips TR-S

2-7 XFMR TR-S TROUBLE
Actuates on 550 relay (local control cabinet)

TR-S local control cabinet

Relay flag " GAS DETECTOR RELAY " (Buchholz relay) is tripped
Actuates 550 relay

Relay flag " RELIEF VENT ACTUATION " is tripped
Actuates 550 relay

TR-S housing

Pressure relief device flag showing and small amount of oil has run down side of transformer.

All other indications appear normal. If TR-S is meggered it will show that the high side winding has a complete short.

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
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SHEET NO.	RESPONSIBLE CONTROLLER *(LOCATION)*
3	CR (SIM) \ TSC \ OSC

REAL TIME OF:	TO:	DRILL TIME OF:	TO:
0800	1430		

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	DG 1 MECHANICAL OVERSPEED TRIP

At 0800 the Main Turbine\Generator trips and TR-S locksout. This will cause an under voltage on SM-7 which is an auto start signal for DG-1. DG-1 will attempt to start and when it gets to approx. 100 rpm it will trip on overspeed due to a broken spring on the camshaft overspeed trip weight on engine 1A2. Each time the overspeed trip is reset it will retrip as soon as it reaches 100 rpm until the spring is replaced.

INDICATIONS

Control Room Panel P800-C1

7-2 DG 1 OVERSPEED TRIP
Actuates when overspeed trip latch tripped.

2-1 DG 1 FAIL TO START
Actuates when DG-1 less than 150 rpm for 5 seconds

DG-1 Local Control Panel

7-2 ENGINE OVERSPEED
Activates when overspeed trip latch tripped.

6-4 FAILURE TO START
Actuates when DG-1 less than 150 rpm for 5 seconds.

86-DG1 LOCKOUT
Actuates due to overspeed and failure to start.

DG-1 Engines

Overspeed trip latch tripped
Both trip latches (one on each engine) trip on overspeed of either engine.

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.		PAGE
EXERCISE 92		2 of 2
SHEET NO. 3	RESPONSIBLE CONTROLLER *(LOCATION)* CR (SIM) \ TSC \ OSC	
REAL TIME OF: 0800	TO: 1430	DRILL TIME OF: TO:
ASSOCIATED WITH MESSAGES		INFORMATION APPLIES TO DG 1 MECHANICAL OVERSPEED TRIP

If an Operator and\or the PET reset the overspeed trip ensure the Control Room (simulator) Controller is informed when 86-DG1 is reset so he can reset it in the simulator.

Every time diesel is started it will trip on overspeed until spring is repaired or disabled (weight removed or tied down)

If attempts are made to repair DG-1 mechanical overspeed trip have repair team simulate removing cover (gather tools, transport to diesel, talk through repair) and show them attached drawings to show broken spring.

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE 92	1 of 1

SHEET NO.	RESPONSIBLE CONTROLLER *(LOCATION)*
4	CR (SIM) \ TSC \ OSC

REAL TIME OF:	TO:	DRILL TIME OF:	TO:
0822	1430		

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	HPCS PUMP OVERCURRENT TRIP

At 0820 a Loss Of Coolant Accident (LOCA) occurs. This results in a High Drywell Pressure (F signal) and a Low Reactor Vessel Level . These signals will automatically initiate HPCS. When HPCS-P-1 starts and reaches its highest starting current value, it will trip due to a faulty overcurrent relay.

INDICATIONS

Control Room Panel P601-A1

2-2 HPCS PUMP MOTOR FEEDER TRIP
Actuates on relay 50X (HPCS Pump Overcurrent Relay)

SM-4 HPCS Pump 1 Breaker

Phase A Overcurrent Relay, Instantaneous Relay Flag Tripped (left side flag)
Actuates on 50X relay pickup

An Operator and\or the PET may reset the overcurrent relay to attempt another start. If started again HPCS-P-1 will again trip on overcurrent due to Phase A Overcurrent Relay 50X.

If Overcurrent Relay is to be checked instantaneous walk through removing relay from SM-4 and check will find the 50X relay improperly set.

NOTE

P601-A1-2-4 " HPCS PUMP MOTOR OVERCURRENT " alarm is actuated from the 51 relay not the 50X.

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE 92	1 of 1

SHEET NO.	RESPONSIBLE CONTROLLER *(LOCATION)*
5	CR (SIM) \ TSC \ OSC

REAL TIME OF:	TO:	DRILL TIME OF:	TO:
0825	1430		

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	RHR-V-42B STUCK CLOSED

At 0820 there is a Loss Of Coolant Accident (LOCA). Due to the loss of power to SM-7 there is no Div. 1 ECCS pumps. HPCS pump is out of service . This leaves RCIC and RHR pump B as the only sources of water for the Reactor. RCIC pump is small volume and cannot maintain Reactor water level. At 0825 when RHR pump 2B injection valve (RHR-V-42B) is to open the valve sticks closed and trips it's supply breaker.

INDICATION

Control Room Panel P601

RHR-V-42B indication goes out

RB 522 MCC 8B-A

CUB. 4C RHR-V-42B Breaker tripped on overcurrent and won't reset

RB 522 S (RM 405)

When Operator and\or the PET go to manually open RHR-V-42B the valve will barely move then stop. When another person and or approved cheater is used the valve will slowly open.

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM
CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise 92		PAGE
SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION) Control Room (Simulator), MUDAC & TSC	
REAL TIME OF: 07:00 TO: 16:00	DRILL TIME OF: 00:00 TO: 08:30	
ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO TABLE OF CONTENTS	

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P3	WETWELL GAS ACTIVITY CONCENTRATION
P4	WETWELL WATER ACTIVITY CONCENTRATION
P5	RX BLDG & REFUEL FLOOR ACT. CONC.
P6	RX BLDG ELEVATED RELEASE POINT CONC.
P7	RADWASTE BLDG/RADWASTE BLDG EXHAUST
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TABLE P1. a

REACTOR WATER ACTIVITY CONCENTRATION (T = 00:00) (07:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Xe-135	4.87E-05 uCi/cc
I-131	4.33E-04 uCi/cc
I-132	1.02E-03 uCi/cc
I-133	2.93E-03 uCi/cc
I-134	6.96E-04 uCi/cc
I-135	4.22E-03 uCi/cc
Cs-137	1.58E-05 uCi/cc
Np-239	1.57E-03 uCi/cc
TOTAL WATER SAMPLE	1.10E-02 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.3E+1
For 4" lead shield divide dose rate by: 8.6E+2

TABLE P1. b

REACTOR WATER ACTIVITY CONCENTRATION (T = 01:00) (08:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Xe-133	1.78E-05 uCi/cc
Xe-135	1.61E-04 uCi/cc
I-131	4.34E-04 uCi/cc
I-132	1.01E-03 uCi/cc
I-133	2.93E-03 uCi/cc
I-134	6.83E-04 uCi/cc
I-135	4.21E-03 uCi/cc
Cs-137	1.58E-05 uCi/cc
Np-239	1.57E-03 uCi/cc
TOTAL WATER SAMPLE	1.11E-02 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.3E+1
For 4" lead shield divide dose rate by: 8.6E+2

TABLE P1. c

REACTOR WATER ACTIVITY CONCENTRATION (T = 01:30) (08:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	7.11E-02 uCi/cc
Kr-87	1.24E-01 uCi/cc
Kr-88	1.97E-01 uCi/cc
Xe-133	5.30E-01 uCi/cc
Xe-133m	1.86E-02 uCi/cc
Xe-135	1.27E-01 uCi/cc
Xe-135m	7.01E-03 uCi/cc
Xe-138	2.24E-01 uCi/cc
Br-83	2.68E-02 uCi/cc
Br-84	3.10E-02 uCi/cc
I-131	2.82E-01 uCi/cc
I-132	3.68E-01 uCi/cc
I-133	5.62E-01 uCi/cc
I-134	5.00E-01 uCi/cc
I-135	4.89E-01 uCi/cc
Rb-88	2.49E-01 uCi/cc
Cs-134	7.93E-02 uCi/cc
Cs-136	2.92E-02 uCi/cc
Cs-137	5.32E-02 uCi/cc
TOTAL WATER SAMPLE	3.99E+00 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: 0.4 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: 0.2 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.0E+1
For 4" lead shield divide dose rate by: 6.4E+2

TABLE P1. d

REACTOR WATER ACTIVITY CONCENTRATION (T = 01:45) (08:45)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	2.07E-01 uCi/cc
Kr-87	3.50E-01 uCi/cc
Kr-88	5.68E-01 uCi/cc
Xe-133	1.56E+00 uCi/cc
Xe-133m	5.48E-02 uCi/cc
Xe-135	3.77E-01 uCi/cc
Xe-135m	1.63E-02 uCi/cc
Xe-138	5.12E-01 uCi/cc
Br-83	7.75E-02 uCi/cc
Br-84	8.21E-02 uCi/cc
I-131	8.34E-01 uCi/cc
I-132	1.06E+00 uCi/cc
I-133	1.65E+00 uCi/cc
I-134	1.38E+00 uCi/cc
I-135	1.42E+00 uCi/cc
Rb-88	6.20E-01 uCi/cc
Cs-134	2.35E-01 uCi/cc
Cs-136	8.65E-02 uCi/cc
Cs-137	1.58E-01 uCi/cc
TOTAL WATER SAMPLE	1.13E+01 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: 1.0 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: 0.7 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.0E+1
For 4" lead shield divide dose rate by: 6.6E+2

TABLE P1. e

REACTOR WATER ACTIVITY CONCENTRATION (T = 02:00) (09:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	2.05E-01 uCi/cc
Kr-87	3.36E-01 uCi/cc
Kr-88	5.58E-01 uCi/cc
Xe-133	1.56E+00 uCi/cc
Xe-133m	5.47E-02 uCi/cc
Xe-135	3.80E-01 uCi/cc
Xe-135m	1.34E-02 uCi/cc
Xe-138	4.13E-01 uCi/cc
Br-83	7.64E-02 uCi/cc
Br-84	7.52E-02 uCi/cc
I-131	8.40E-01 uCi/cc
I-132	1.04E+00 uCi/cc
I-133	1.66E+00 uCi/cc
I-134	1.31E+00 uCi/cc
I-135	1.42E+00 uCi/cc
Rb-88	5.34E-01 uCi/cc
Cs-134	2.37E-01 uCi/cc
Cs-136	8.71E-02 uCi/cc
Cs-137	1.59E-01 uCi/cc
TOTAL WATER SAMPLE	1.10E+01 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: 1.0 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: 0.6 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.1E+1
For 4" lead shield divide dose rate by: 6.7E+2

TABLE P1. f

REACTOR WATER ACTIVITY CONCENTRATION (T = 02:15) (09:15)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	2.02E-01 uCi/cc
Kr-87	3.23E-01 uCi/cc
Kr-88	5.49E-01 uCi/cc
Xe-133	1.56E+00 uCi/cc
Xe-133m	5.47E-02 uCi/cc
Xe-135	3.82E-01 uCi/cc
Xe-135m	1.10E-02 uCi/cc
Xe-138	3.34E-01 uCi/cc
Br-83	7.54E-02 uCi/cc
Br-84	6.88E-02 uCi/cc
I-131	8.46E-01 uCi/cc
I-132	1.03E+00 uCi/cc
I-133	1.67E+00 uCi/cc
I-134	1.25E+00 uCi/cc
I-135	1.42E+00 uCi/cc
Rb-88	4.60E-01 uCi/cc
Cs-134	2.39E-01 uCi/cc
Cs-136	8.78E-02 uCi/cc
Cs-137	1.60E-01 uCi/cc
TOTAL WATER SAMPLE	1.08E+01 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: 0.9 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: 0.6 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.1E+1
For 4" lead shield divide dose rate by: 6.8E+2

TABLE P1. g

REACTOR WATER ACTIVITY CONCENTRATION (T = 02:30) (09:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	2.00E-01 uCi/cc
Kr-87	3.11E-01 uCi/cc
Kr-88	5.39E-01 uCi/cc
Xe-133	1.56E+00 uCi/cc
Xe-133m	5.46E-02 uCi/cc
Xe-135	3.85E-01 uCi/cc
Xe-138	2.70E-01 uCi/cc
Br-83	7.44E-02 uCi/cc
Br-84	6.31E-02 uCi/cc
I-131	8.52E-01 uCi/cc
I-132	1.01E+00 uCi/cc
I-133	1.67E+00 uCi/cc
I-134	1.19E+00 uCi/cc
I-135	1.42E+00 uCi/cc
Rb-88	3.98E-01 uCi/cc
Cs-134	2.40E-01 uCi/cc
Cs-136	8.84E-02 uCi/cc
Cs-137	1.61E-01 uCi/cc
TOTAL WATER SAMPLE	1.05E+01 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: 0.9 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: 0.6 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.1E+1
For 4" lead shield divide dose rate by: 6.9E+2

TABLE P1. h

REACTOR WATER ACTIVITY CONCENTRATION (T = 02:45) (09:45)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.98E-01 uCi/cc
Kr-87	2.99E-01 uCi/cc
Kr-88	5.30E-01 uCi/cc
Xe-133	1.56E+00 uCi/cc
Xe-133m	5.46E-02 uCi/cc
Xe-135	3.88E-01 uCi/cc
Xe-138	2.19E-01 uCi/cc
Br-83	7.33E-02 uCi/cc
Br-84	5.78E-02 uCi/cc
I-131	8.57E-01 uCi/cc
I-132	9.98E-01 uCi/cc
I-133	1.68E+00 uCi/cc
I-134	1.13E+00 uCi/cc
I-135	1.42E+00 uCi/cc
Rb-88	3.45E-01 uCi/cc
Cs-134	2.42E-01 uCi/cc
Cs-136	8.90E-02 uCi/cc
Cs-137	1.62E-01 uCi/cc
TOTAL WATER SAMPLE	1.04E+01 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: 0.9 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: 0.6 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.2E+1
For 4" lead shield divide dose rate by: 6.9E+2

TABLE P1. i

REACTOR WATER ACTIVITY CONCENTRATION (T = 03:00) (10:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.96E-01 uCi/cc
Kr-87	2.87E-01 uCi/cc
Kr-88	5.21E-01 uCi/cc
Xe-133	1.56E+00 uCi/cc
Xe-133m	5.46E-02 uCi/cc
Xe-135	3.90E-01 uCi/cc
Xe-138	1.77E-01 uCi/cc
Br-83	7.22E-02 uCi/cc
Br-84	5.29E-02 uCi/cc
I-131	8.62E-01 uCi/cc
I-132	9.82E-01 uCi/cc
I-133	1.69E+00 uCi/cc
I-134	1.07E+00 uCi/cc
I-135	1.41E+00 uCi/cc
Rb-88	3.00E-01 uCi/cc
Cs-134	2.44E-01 uCi/cc
Cs-136	8.95E-02 uCi/cc
Cs-137	1.63E-01 uCi/cc
TOTAL WATER SAMPLE	1.02E+01 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: 0.9 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: 0.6 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.2E+1
For 4" lead shield divide dose rate by: 7.0E+2

TABLE P1. j

REACTOR WATER ACTIVITY CONCENTRATION (T = 03:15) (10:15)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.94E-01 uCi/cc
Kr-87	2.76E-01 uCi/cc
Kr-88	5.12E-01 uCi/cc
Xe-133	1.56E+00 uCi/cc
Xe-133m	5.45E-02 uCi/cc
Xe-135	3.93E-01 uCi/cc
Xe-138	1.43E-01 uCi/cc
Br-83	7.12E-02 uCi/cc
Br-84	4.84E-02 uCi/cc
I-131	8.67E-01 uCi/cc
I-132	9.67E-01 uCi/cc
I-133	1.69E+00 uCi/cc
I-134	1.02E+00 uCi/cc
I-135	1.41E+00 uCi/cc
Rb-88	2.61E-01 uCi/cc
Cs-134	2.45E-01 uCi/cc
Cs-136	9.01E-02 uCi/cc
Cs-137	1.64E-01 uCi/cc
Mo-99	1.00E-02 uCi/cc
TOTAL WATER SAMPLE	1.00E+01 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: 0.9 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: 0.6 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.2E+1
For 4" lead shield divide dose rate by: 7.1E+2

TABLE P1. k

REACTOR WATER ACTIVITY CONCENTRATION (T = 03:30) (10:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.91E-01 uCi/cc
Kr-87	2.66E-01 uCi/cc
Kr-88	5.03E-01 uCi/cc
Xe-133	1.56E+00 uCi/cc
Xe-133m	5.45E-02 uCi/cc
Xe-135	3.95E-01 uCi/cc
Xe-138	1.16E-01 uCi/cc
Br-83	7.01E-02 uCi/cc
Br-84	4.43E-02 uCi/cc
I-131	8.71E-01 uCi/cc
I-132	9.51E-01 uCi/cc
I-133	1.70E+00 uCi/cc
I-134	9.69E-01 uCi/cc
I-135	1.41E+00 uCi/cc
Rb-88	2.28E-01 uCi/cc
Cs-134	2.46E-01 uCi/cc
Cs-136	9.06E-02 uCi/cc
Cs-137	1.65E-01 uCi/cc
Mo-99	1.01E-02 uCi/cc
TOTAL WATER SAMPLE	9.88E+00 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: 0.8 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: 0.6 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.2E+1
For 4" lead shield divide dose rate by: 7.2E+2

TABLE P1. 1

REACTOR WATER ACTIVITY CONCENTRATION (T = 03:45) (10:45)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.89E-01 uCi/cc
Kr-87	2.56E-01 uCi/cc
Kr-88	4.94E-01 uCi/cc
Xe-133	1.56E+00 uCi/cc
Xe-133m	5.44E-02 uCi/cc
Xe-135	3.98E-01 uCi/cc
Xe-138	9.37E-02 uCi/cc
Br-83	6.90E-02 uCi/cc
Br-84	4.05E-02 uCi/cc
I-131	8.76E-01 uCi/cc
I-132	9.36E-01 uCi/cc
I-133	1.70E+00 uCi/cc
I-134	9.20E-01 uCi/cc
I-135	1.41E+00 uCi/cc
Rb-88	1.99E-01 uCi/cc
Cs-134	2.48E-01 uCi/cc
Cs-136	9.11E-02 uCi/cc
Cs-137	1.66E-01 uCi/cc
Mo-99	1.01E-02 uCi/cc
TOTAL WATER SAMPLE	9.75E+00 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: 0.8 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: 0.6 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.2E+1
For 4" lead shield divide dose rate by: 7.3E+2

TABLE P1. m

REACTOR WATER ACTIVITY CONCENTRATION (T = 04:00) (11:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.87E-01 uCi/cc
Kr-87	2.46E-01 uCi/cc
Kr-88	4.86E-01 uCi/cc
Xe-133	1.56E+00 uCi/cc
Xe-133m	5.44E-02 uCi/cc
Xe-135	4.01E-01 uCi/cc
Xe-138	7.58E-02 uCi/cc
Br-83	6.79E-02 uCi/cc
Br-84	3.70E-02 uCi/cc
I-131	8.80E-01 uCi/cc
I-132	9.20E-01 uCi/cc
I-133	1.71E+00 uCi/cc
I-134	8.74E-01 uCi/cc
I-135	1.40E+00 uCi/cc
Rb-88	1.75E-01 uCi/cc
Cs-134	2.49E-01 uCi/cc
Cs-136	9.15E-02 uCi/cc
Cs-137	1.67E-01 uCi/cc
Mo-99	1.02E-02 uCi/cc
TOTAL WATER SAMPLE	9.63E+00 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: 0.8 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: 0.5 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.3E+1
For 4" lead shield divide dose rate by: 7.4E+2

TABLE P1. n

REACTOR WATER ACTIVITY CONCENTRATION (T = 04:15) (11:15)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.85E-01 uCi/cc
Kr-87	2.36E-01 uCi/cc
Kr-88	4.77E-01 uCi/cc
Xe-133	1.56E+00 uCi/cc
Xe-133m	5.43E-02 uCi/cc
Xe-135	4.03E-01 uCi/cc
Xe-138	6.13E-02 uCi/cc
Br-83	6.68E-02 uCi/cc
Br-84	3.38E-02 uCi/cc
I-131	8.84E-01 uCi/cc
I-132	9.05E-01 uCi/cc
I-133	1.71E+00 uCi/cc
I-134	8.29E-01 uCi/cc
I-135	1.40E+00 uCi/cc
Rb-88	1.55E-01 uCi/cc
Cs-134	2.50E-01 uCi/cc
Cs-136	9.20E-02 uCi/cc
Cs-137	1.68E-01 uCi/cc
Mo-99	1.02E-02 uCi/cc
TOTAL WATER SAMPLE	9.52E+00 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: 0.8 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: 0.5 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.3E+1
For 4" lead shield divide dose rate by: 7.4E+2

TABLE P1. o

REACTOR WATER ACTIVITY CONCENTRATION (T = 04:30) (11:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.83E-01 uCi/cc
Kr-87	2.27E-01 uCi/cc
Kr-88	4.69E-01 uCi/cc
Xe-133	1.56E+00 uCi/cc
Xe-133m	5.43E-02 uCi/cc
Xe-135	4.06E-01 uCi/cc
Xe-138	4.96E-02 uCi/cc
Br-83	6.58E-02 uCi/cc
Br-84	3.09E-02 uCi/cc
I-131	8.87E-01 uCi/cc
I-132	8.89E-01 uCi/cc
I-133	1.71E+00 uCi/cc
I-134	7.87E-01 uCi/cc
I-135	1.39E+00 uCi/cc
Rb-88	1.37E-01 uCi/cc
Cs-134	2.52E-01 uCi/cc
Cs-136	9.24E-02 uCi/cc
Cs-137	1.69E-01 uCi/cc
Mo-99	1.03E-02 uCi/cc
TOTAL WATER SAMPLE	9.42E+00 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: 0.8 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: 0.5 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.3E+1
For 4" lead shield divide dose rate by: 7.5E+2

TABLE P1. p

REACTOR WATER ACTIVITY CONCENTRATION (T = 05:00) (12:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.79E-01 uCi/cc
Kr-87	2.10E-01 uCi/cc
Kr-88	4.53E-01 uCi/cc
Xe-133	1.56E+00 uCi/cc
Xe-133m	5.42E-02 uCi/cc
Xe-135	4.10E-01 uCi/cc
Xe-138	3.25E-02 uCi/cc
Br-83	6.36E-02 uCi/cc
Br-84	2.58E-02 uCi/cc
I-131	8.94E-01 uCi/cc
I-132	8.58E-01 uCi/cc
I-133	1.72E+00 uCi/cc
I-134	7.08E-01 uCi/cc
I-135	1.38E+00 uCi/cc
Rb-88	1.09E-01 uCi/cc
Cs-134	2.54E-01 uCi/cc
Cs-136	9.32E-02 uCi/cc
Cs-137	1.70E-01 uCi/cc
Mo-99	1.03E-02 uCi/cc
TOTAL WATER SAMPLE	9.23E+00 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: 0.8 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: 0.5 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.3E+1
For 4" lead shield divide dose rate by: 7.6E+2

TABLE P1. q

REACTOR WATER ACTIVITY CONCENTRATION (T = 05:30) (12:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.75E-01 uCi/cc
Kr-87	1.94E-01 uCi/cc
Kr-88	4.37E-01 uCi/cc
Xe-131m	9.14E-03 uCi/cc
Xe-133	1.57E+00 uCi/cc
Xe-133m	5.41E-02 uCi/cc
Xe-135	4.15E-01 uCi/cc
Xe-138	2.13E-02 uCi/cc
Br-83	6.15E-02 uCi/cc
Br-84	2.15E-02 uCi/cc
I-131	9.01E-01 uCi/cc
I-132	8.28E-01 uCi/cc
I-133	1.72E+00 uCi/cc
I-134	6.36E-01 uCi/cc
I-135	1.37E+00 uCi/cc
Rb-88	8.81E-02 uCi/cc
Cs-134	2.56E-01 uCi/cc
Cs-136	9.39E-02 uCi/cc
Cs-137	1.71E-01 uCi/cc
Mo-99	1.04E-02 uCi/cc
TOTAL WATER SAMPLE	9.06E+00 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: 0.7 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: 0.5 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.4E+1
For 4" lead shield divide dose rate by: 7.8E+2

TABLE P1. r

REACTOR WATER ACTIVITY CONCENTRATION (T = 06:00) (13:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.71E-01 uCi/cc
Kr-87	1.79E-01 uCi/cc
Kr-88	4.21E-01 uCi/cc
Xe-131m	9.14E-03 uCi/cc
Xe-133	1.57E+00 uCi/cc
Xe-133m	5.40E-02 uCi/cc
Xe-135	4.20E-01 uCi/cc
Xe-138	1.35E-02 uCi/cc
Br-83	5.92E-02 uCi/cc
Br-84	1.77E-02 uCi/cc
I-131	9.06E-01 uCi/cc
I-132	7.96E-01 uCi/cc
I-133	1.73E+00 uCi/cc
I-134	5.67E-01 uCi/cc
I-135	1.36E+00 uCi/cc
Rb-88	7.12E-02 uCi/cc
Cs-134	2.58E-01 uCi/cc
Cs-136	9.45E-02 uCi/cc
Cs-137	1.73E-01 uCi/cc
Mo-99	1.05E-02 uCi/cc
Tc-99m	8.94E-03 uCi/cc
TOTAL WATER SAMPLE	8.90E+00 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: 0.7 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: 0.5 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.4E+1
For 4" lead shield divide dose rate by: 7.9E+2

TABLE P1. s

REACTOR WATER ACTIVITY CONCENTRATION (T = 06:30) (13:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.67E-01 uCi/cc
Kr-87	1.65E-01 uCi/cc
Kr-88	4.07E-01 uCi/cc
Xe-131m	9.14E-03 uCi/cc
Xe-133	1.57E+00 uCi/cc
Xe-133m	5.39E-02 uCi/cc
Xe-135	4.25E-01 uCi/cc
Xe-138	8.83E-03 uCi/cc
Br-83	5.71E-02 uCi/cc
Br-84	1.47E-02 uCi/cc
I-131	9.11E-01 uCi/cc
I-132	7.67E-01 uCi/cc
I-133	1.73E+00 uCi/cc
I-134	5.09E-01 uCi/cc
I-135	1.35E+00 uCi/cc
Rb-88	6.04E-02 uCi/cc
Cs-134	2.59E-01 uCi/cc
Cs-136	9.52E-02 uCi/cc
Cs-137	1.74E-01 uCi/cc
Mo-99	1.05E-02 uCi/cc
Tc-99m	8.87E-03 uCi/cc
TOTAL WATER SAMPLE	8.76E+00 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: 0.7 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: 0.5 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.5E+1
For 4" lead shield divide dose rate by: 8.0E+2

TABLE P1. t

REACTOR WATER ACTIVITY CONCENTRATION (T = 07:00) (14:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.64E-01 uCi/cc
Kr-87	1.53E-01 uCi/cc
Kr-88	3.93E-01 uCi/cc
Xe-131m	9.14E-03 uCi/cc
Xe-133	1.57E+00 uCi/cc
Xe-133m	5.38E-02 uCi/cc
Xe-135	4.29E-01 uCi/cc
Br-83	5.51E-02 uCi/cc
Br-84	1.23E-02 uCi/cc
I-131	9.16E-01 uCi/cc
I-132	7.38E-01 uCi/cc
I-133	1.73E+00 uCi/cc
I-134	4.56E-01 uCi/cc
I-135	1.34E+00 uCi/cc
Rb-88	5.22E-02 uCi/cc
Cs-134	2.61E-01 uCi/cc
Cs-136	9.57E-02 uCi/cc
Cs-137	1.75E-01 uCi/cc
Mo-99	1.06E-02 uCi/cc
Tc-99m	8.79E-03 uCi/cc
TOTAL WATER SAMPLE	8.64E+00 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: 0.7 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: 0.5 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.5E+1
For 4" lead shield divide dose rate by: 8.2E+2

TABLE P1. u

REACTOR WATER ACTIVITY CONCENTRATION (T = 07:30) (14:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.60E-01 uCi/cc
Kr-87	1.41E-01 uCi/cc
Kr-88	3.79E-01 uCi/cc
Xe-131m	9.14E-03 uCi/cc
Xe-133	1.57E+00 uCi/cc
Xe-133m	5.37E-02 uCi/cc
Xe-135	4.33E-01 uCi/cc
Br-83	5.31E-02 uCi/cc
Br-84	1.02E-02 uCi/cc
I-131	9.20E-01 uCi/cc
I-132	7.10E-01 uCi/cc
I-133	1.73E+00 uCi/cc
I-134	4.09E-01 uCi/cc
I-135	1.32E+00 uCi/cc
Rb-88	4.61E-02 uCi/cc
Cs-134	2.62E-01 uCi/cc
Cs-136	9.62E-02 uCi/cc
Cs-137	1.76E-01 uCi/cc
Mo-99	1.06E-02 uCi/cc
Tc-99m	8.71E-03 uCi/cc
TOTAL WATER SAMPLE	8.52E+00 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: 0.7 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: 0.5 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.5E+1
For 4" lead shield divide dose rate by: 8.3E+2

TABLE P1. v

REACTOR WATER ACTIVITY CONCENTRATION (T = 08:00) (15:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.57E-01 uCi/cc
Kr-87	1.30E-01 uCi/cc
Kr-88	3.66E-01 uCi/cc
Xe-131m	9.14E-03 uCi/cc
Xe-133	1.57E+00 uCi/cc
Xe-133m	5.36E-02 uCi/cc
Xe-135	4.37E-01 uCi/cc
Br-83	5.12E-02 uCi/cc
Br-84	8.49E-03 uCi/cc
I-131	9.24E-01 uCi/cc
I-132	6.83E-01 uCi/cc
I-133	1.73E+00 uCi/cc
I-134	3.67E-01 uCi/cc
I-135	1.31E+00 uCi/cc
Rb-88	4.14E-02 uCi/cc
Cs-134	2.64E-01 uCi/cc
Cs-136	9.67E-02 uCi/cc
Cs-137	1.77E-01 uCi/cc
Mo-99	1.07E-02 uCi/cc
Tc-99m	8.62E-03 uCi/cc
TOTAL WATER SAMPLE	8.41E+00 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: 0.7 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: 0.4 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.5E+1
For 4" lead shield divide dose rate by: 8.4E+2

TABLE P2. a

DRYWELL GAS ACTIVITY CONCENTRATION (T = 00:00) (07:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Xe-133	2.76E-08 uCi/cc
Xe-135	1.45E-07 uCi/cc
TOTAL GAS SAMPLE	1.74E-07 uCi/cc
I-131	1.11E-10 uCi/cc
I-132	2.13E-10 uCi/cc
I-133	7.25E-10 uCi/cc
I-134	1.30E-10 uCi/cc
I-135	9.86E-10 uCi/cc
TOTAL CHARCOAL SAMPLE	2.17E-09 uCi/cc
Cs-134	8.74E-12 uCi/cc
Cs-137	1.29E-11 uCi/cc
Np-239	1.19E-10 uCi/cc
TOTAL FILTER SAMPLE	1.43E-10 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:1.6E+2
For 4" lead shield divide dose rate by:4.5E+3
Hydrogen Concentration: .0%
Oxygen Concentration: 3.9%

Cladding Failure: 0.% Fuel Melt: 0.%

TABLE P2. b

DRYWELL GAS ACTIVITY CONCENTRATION (T = 01:00) (08:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Xe-133	2.76E-08 uCi/cc
Xe-135	1.38E-07 uCi/cc
TOTAL GAS SAMPLE	1.68E-07 uCi/cc
I-131	1.16E-10 uCi/cc
I-132	2.45E-10 uCi/cc
I-133	7.77E-10 uCi/cc
I-134	1.46E-10 uCi/cc
I-135	1.09E-09 uCi/cc
TOTAL CHARCOAL SAMPLE	2.37E-09 uCi/cc
Cs-137	1.31E-11 uCi/cc
Np-239	1.22E-10 uCi/cc
TOTAL FILTER SAMPLE	1.44E-10 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:1.6E+2
For 4" lead shield divide dose rate by:4.5E+3
Hydrogen Concentration: .0%
Oxygen Concentration: 3.9%

Cladding Failure: 0.% Fuel Melt: 0.%

TABLE P2. c

DRYWELL GAS ACTIVITY CONCENTRATION (T = 01:30) (08:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	7.22E-02 uCi/cc
Kr-87	1.25E-01 uCi/cc
Kr-88	2.00E-01 uCi/cc
Xe-133	5.39E-01 uCi/cc
Xe-133m	1.89E-02 uCi/cc
Xe-135	1.29E-01 uCi/cc
Xe-138	2.18E-01 uCi/cc
TOTAL GAS SAMPLE	1.31E+00 uCi/cc
Br-83	1.34E-02 uCi/cc
Br-84	1.53E-02 uCi/cc
I-131	1.41E-01 uCi/cc
I-132	1.83E-01 uCi/cc
I-133	2.79E-01 uCi/cc
I-134	2.47E-01 uCi/cc
I-135	2.42E-01 uCi/cc
TOTAL CHARCOAL SAMPLE	1.12E+00 uCi/cc
Rb-88	1.26E-01 uCi/cc
Cs-134	4.15E-02 uCi/cc
Cs-136	1.53E-02 uCi/cc
Cs-137	2.78E-02 uCi/cc
TOTAL FILTER SAMPLE	2.15E-01 uCi/cc

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TABLE P2. c

DRYWELL GAS ACTIVITY CONCENTRATION (T = 01:30) (08:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.1 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.1 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	180. mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	33. mR/hr per cf

For 2" lead shield divide dose rate by:2.9E+1
For 4" lead shield divide dose rate by:5.8E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 3.0%

Cladding Failure: 0.% Fuel Melt: 0.%

TABLE P2. d

DRYWELL GAS ACTIVITY CONCENTRATION (T = 01:45) (08:45)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.47E-01 uCi/cc
Kr-87	2.49E-01 uCi/cc
Kr-88	4.05E-01 uCi/cc
Xe-133	1.11E+00 uCi/cc
Xe-133m	3.90E-02 uCi/cc
Xe-135	2.67E-01 uCi/cc
Xe-138	3.62E-01 uCi/cc
TOTAL GAS SAMPLE	2.60E+00 uCi/cc
Br-83	1.60E-02 uCi/cc
Br-84	1.69E-02 uCi/cc
I-131	1.72E-01 uCi/cc
I-132	2.18E-01 uCi/cc
I-133	3.39E-01 uCi/cc
I-134	2.84E-01 uCi/cc
I-135	2.92E-01 uCi/cc
TOTAL CHARCOAL SAMPLE	1.34E+00 uCi/cc
Rb-88	1.85E-01 uCi/cc
Cs-134	7.00E-02 uCi/cc
Cs-136	2.58E-02 uCi/cc
Cs-137	4.69E-02 uCi/cc
TOTAL FILTER SAMPLE	3.35E-01 uCi/cc

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TABLE P2. d

DRYWELL GAS ACTIVITY CONCENTRATION (T = 01:45) (08:45)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	220. mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	52. mR/hr per cf

For 2" lead shield divide dose rate by:2.8E+1
For 4" lead shield divide dose rate by:5.4E+2
Hydrogen Concentration: .1%
Oxygen Concentration: 3.0%

Cladding Failure: 0.% Fuel Melt: 0.%

TABLE P2. e

DRYWELL GAS ACTIVITY CONCENTRATION (T = 02:00) (09:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.38E-01 uCi/cc
Kr-87	2.26E-01 uCi/cc
Kr-88	3.76E-01 uCi/cc
Xe-133	1.05E+00 uCi/cc
Xe-133m	3.69E-02 uCi/cc
Xe-135	2.52E-01 uCi/cc
Xe-138	2.77E-01 uCi/cc
TOTAL GAS SAMPLE	2.38E+00 uCi/cc
Br-83	8.13E-03 uCi/cc
Br-84	7.96E-03 uCi/cc
I-131	8.94E-02 uCi/cc
I-132	1.11E-01 uCi/cc
I-133	1.76E-01 uCi/cc
I-134	1.39E-01 uCi/cc
I-135	1.51E-01 uCi/cc
TOTAL CHARCOAL SAMPLE	6.82E-01 uCi/cc
Rb-88	1.24E-01 uCi/cc
Cs-134	5.37E-02 uCi/cc
Cs-136	1.97E-02 uCi/cc
Cs-137	3.60E-02 uCi/cc
TOTAL FILTER SAMPLE	2.39E-01 uCi/cc

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TABLE P2. e

DRYWELL GAS ACTIVITY CONCENTRATION (T = 02:00) (09:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	110. mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	38. mR/hr per cf

For 2" lead shield divide dose rate by:2.7E+1
For 4" lead shield divide dose rate by:4.9E+2
Hydrogen Concentration: .1%
Oxygen Concentration: 2.8%

Cladding Failure: 0.% Fuel Melt: 0.%

TABLE P2. f

DRYWELL GAS ACTIVITY CONCENTRATION (T = 02:15) (09:15)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.29E-01 uCi/cc
Kr-87	2.06E-01 uCi/cc
Kr-88	3.50E-01 uCi/cc
Xe-133	9.95E-01 uCi/cc
Xe-133m	3.49E-02 uCi/cc
Xe-135	2.37E-01 uCi/cc
Xe-138	2.11E-01 uCi/cc
TOTAL GAS SAMPLE	2.18E+00 uCi/cc
Br-83	4.20E-03 uCi/cc
Br-84	3.81E-03 uCi/cc
I-131	4.71E-02 uCi/cc
I-132	5.71E-02 uCi/cc
I-133	9.26E-02 uCi/cc
I-134	6.94E-02 uCi/cc
I-135	7.88E-02 uCi/cc
TOTAL CHARCOAL SAMPLE	3.53E-01 uCi/cc
Rb-88	8.44E-02 uCi/cc
Cs-134	4.14E-02 uCi/cc
Cs-136	1.52E-02 uCi/cc
Cs-137	2.78E-02 uCi/cc
TOTAL FILTER SAMPLE	1.73E-01 uCi/cc

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TABLE P2. f

DRYWELL GAS ACTIVITY CONCENTRATION (T = 02:15) (09:15)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	61. mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	28. mR/hr per cf

For 2" lead shield divide dose rate by:2.6E+1
For 4" lead shield divide dose rate by:4.5E+2
Hydrogen Concentration: .1%
Oxygen Concentration: 2.8%

Cladding Failure: 0.% Fuel Melt: 0.%

TABLE P2. g

DRYWELL GAS ACTIVITY CONCENTRATION (T = 02:30) (09:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.28E-01 uCi/cc
Kr-87	1.98E-01 uCi/cc
Kr-88	3.44E-01 uCi/cc
Xe-133	9.96E-01 uCi/cc
Xe-133m	3.49E-02 uCi/cc
Xe-135	2.37E-01 uCi/cc
Xe-138	1.71E-01 uCi/cc
TOTAL GAS SAMPLE	2.12E+00 uCi/cc
Br-83	2.33E-03 uCi/cc
Br-84	1.96E-03 uCi/cc
I-131	2.67E-02 uCi/cc
I-132	3.17E-02 uCi/cc
I-133	5.23E-02 uCi/cc
I-134	3.71E-02 uCi/cc
I-135	4.43E-02 uCi/cc
TOTAL CHARCOAL SAMPLE	1.96E-01 uCi/cc
Rb-88	6.25E-02 uCi/cc
Cs-134	3.41E-02 uCi/cc
Cs-136	1.25E-02 uCi/cc
Cs-137	2.28E-02 uCi/cc
TOTAL FILTER SAMPLE	1.35E-01 uCi/cc

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TABLE P2. g

DRYWELL GAS ACTIVITY CONCENTRATION (T = 02:30) (09:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	34. mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	22. mR/hr per cf

For 2" lead shield divide dose rate by:2.5E+1
For 4" lead shield divide dose rate by:4.2E+2
Hydrogen Concentration: .1%
Oxygen Concentration: 2.6%

Cladding Failure: 0.% Fuel Melt: 0.%

TABLE P2. h

DRYWELL GAS ACTIVITY CONCENTRATION (T = 02:45) (09:45)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.28E-01 uCi/cc
Kr-87	1.94E-01 uCi/cc
Kr-88	3.43E-01 uCi/cc
Xe-133	1.01E+00 uCi/cc
Xe-133m	3.54E-02 uCi/cc
Xe-135	2.39E-01 uCi/cc
Xe-138	1.41E-01 uCi/cc
TOTAL GAS SAMPLE	2.11E+00 uCi/cc
Br-83	1.33E-03 uCi/cc
I-131	1.56E-02 uCi/cc
I-132	1.82E-02 uCi/cc
I-133	3.06E-02 uCi/cc
I-134	2.05E-02 uCi/cc
I-135	2.58E-02 uCi/cc
TOTAL CHARCOAL SAMPLE	1.13E-01 uCi/cc
Rb-88	4.81E-02 uCi/cc
Cs-134	2.86E-02 uCi/cc
Cs-136	1.05E-02 uCi/cc
Cs-137	1.91E-02 uCi/cc
TOTAL FILTER SAMPLE	1.09E-01 uCi/cc

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TABLE P2. h

DRYWELL GAS ACTIVITY CONCENTRATION (T = 02:45) (09:45)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	20. mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	18. mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:4.0E+2
Hydrogen Concentration: .1%
Oxygen Concentration: 2.4%

Cladding Failure: 0.% Fuel Melt: 0.%

TABLE P2. i

DRYWELL GAS ACTIVITY CONCENTRATION (T = 03:00) (10:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.29E-01 uCi/cc
Kr-87	1.89E-01 uCi/cc
Kr-88	3.43E-01 uCi/cc
Xe-133	1.03E+00 uCi/cc
Xe-133m	3.59E-02 uCi/cc
Xe-135	2.42E-01 uCi/cc
Xe-138	1.16E-01 uCi/cc
TOTAL GAS SAMPLE	2.10E+00 uCi/cc
Br-83	7.89E-04 uCi/cc
I-131	9.43E-03 uCi/cc
I-132	1.07E-02 uCi/cc
I-133	1.84E-02 uCi/cc
I-134	1.17E-02 uCi/cc
I-135	1.54E-02 uCi/cc
TOTAL CHARCOAL SAMPLE	6.71E-02 uCi/cc
Rb-88	3.79E-02 uCi/cc
Cs-134	2.40E-02 uCi/cc
Cs-136	8.81E-03 uCi/cc
Cs-137	1.61E-02 uCi/cc
TOTAL FILTER SAMPLE	8.91E-02 uCi/cc

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TABLE P2. i

DRYWELL GAS ACTIVITY CONCENTRATION (T = 03:00) (10:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	12. mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	15. mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:3.9E+2
Hydrogen Concentration: .1%
Oxygen Concentration: 2.3%

Cladding Failure: 0.% Fuel Melt: 0.%

TABLE P2. j

DRYWELL GAS ACTIVITY CONCENTRATION (T = 03:15) (10:15)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.29E-01 uCi/cc
Kr-87	1.84E-01 uCi/cc
Kr-88	3.42E-01 uCi/cc
Xe-133	1.04E+00 uCi/cc
Xe-133m	3.64E-02 uCi/cc
Xe-135	2.45E-01 uCi/cc
Xe-138	9.51E-02 uCi/cc
TOTAL GAS SAMPLE	2.09E+00 uCi/cc
Br-83	4.89E-04 uCi/cc
I-131	5.96E-03 uCi/cc
I-132	6.63E-03 uCi/cc
I-133	1.16E-02 uCi/cc
I-134	6.99E-03 uCi/cc
I-135	9.69E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	4.17E-02 uCi/cc
Rb-88	3.07E-02 uCi/cc
Cs-134	2.02E-02 uCi/cc
Cs-136	7.41E-03 uCi/cc
Cs-137	1.35E-02 uCi/cc
TOTAL FILTER SAMPLE	7.37E-02 uCi/cc

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TABLE P2. j

DRYWELL GAS ACTIVITY CONCENTRATION (T = 03:15) (10:15)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	7.5 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	13. mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.8E+2
Hydrogen Concentration: .1%
Oxygen Concentration: 2.2%

Cladding Failure: 0.% Fuel Melt: 0.%

TABLE P2. k

DRYWELL GAS ACTIVITY CONCENTRATION (T = 03:30) (10:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.30E-01 uCi/cc
Kr-87	1.80E-01 uCi/cc
Kr-88	3.41E-01 uCi/cc
Xe-133	1.06E+00 uCi/cc
Xe-133m	3.69E-02 uCi/cc
Xe-135	2.47E-01 uCi/cc
Xe-138	7.81E-02 uCi/cc
TOTAL GAS SAMPLE	2.08E+00 uCi/cc
Br-83	3.23E-04 uCi/cc
I-131	4.02E-03 uCi/cc
I-132	4.38E-03 uCi/cc
I-133	7.81E-03 uCi/cc
I-134	4.45E-03 uCi/cc
I-135	6.48E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	2.77E-02 uCi/cc
Rb-88	2.56E-02 uCi/cc
Cs-134	1.70E-02 uCi/cc
Cs-136	6.25E-03 uCi/cc
Cs-137	1.14E-02 uCi/cc
TOTAL FILTER SAMPLE	6.19E-02 uCi/cc

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TABLE P2. k

DRYWELL GAS ACTIVITY CONCENTRATION (T = 03:30) (10:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	5.0 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	11. mR/hr per cf

For 2" lead shield divide dose rate by: 2.3E+1
For 4" lead shield divide dose rate by: 3.8E+2
Hydrogen Concentration: .1%
Oxygen Concentration: 2.1%

Cladding Failure: 0.% Fuel Melt: 0.%

TABLE P2. 1

DRYWELL GAS ACTIVITY CONCENTRATION (T = 03:45) (10:45)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.30E-01 uCi/cc
Kr-87	1.75E-01 uCi/cc
Kr-88	3.39E-01 uCi/cc
Xe-133	1.07E+00 uCi/cc
Xe-133m	3.74E-02 uCi/cc
Xe-135	2.50E-01 uCi/cc
Xe-138	6.40E-02 uCi/cc
TOTAL GAS SAMPLE	2.08E+00 uCi/cc
Br-83	2.31E-04 uCi/cc
I-131	2.93E-03 uCi/cc
I-132	3.12E-03 uCi/cc
I-133	5.68E-03 uCi/cc
I-134	3.07E-03 uCi/cc
I-135	4.69E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	1.99E-02 uCi/cc
Rb-88	2.20E-02 uCi/cc
Cs-134	1.44E-02 uCi/cc
Cs-136	5.28E-03 uCi/cc
Cs-137	9.64E-03 uCi/cc
TOTAL FILTER SAMPLE	5.26E-02 uCi/cc

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TABLE P2. 1

DRYWELL GAS ACTIVITY CONCENTRATION (T = 03:45) (10:45)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	3.6 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	9.1 mR/hr per cf

For 2" lead shield divide dose rate by: 2.3E+1
For 4" lead shield divide dose rate by: 3.7E+2
Hydrogen Concentration: .1%
Oxygen Concentration: 2.0%

Cladding Failure: 0.% Fuel Melt: 0.%

TABLE P2. m

DRYWELL GAS ACTIVITY CONCENTRATION (T = 04:00) (11:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.30E-01 uCi/cc
Kr-87	1.71E-01 uCi/cc
Kr-88	3.38E-01 uCi/cc
Xe-133	1.09E+00 uCi/cc
Xe-133m	3.79E-02 uCi/cc
Xe-135	2.52E-01 uCi/cc
Xe-138	5.25E-02 uCi/cc
TOTAL GAS SAMPLE	2.08E+00 uCi/cc
Br-83	1.79E-04 uCi/cc
I-131	2.32E-03 uCi/cc
I-132	2.42E-03 uCi/cc
I-133	4.49E-03 uCi/cc
I-134	2.30E-03 uCi/cc
I-135	3.69E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	1.55E-02 uCi/cc
Rb-88	1.94E-02 uCi/cc
Cs-134	1.22E-02 uCi/cc
Cs-136	4.48E-03 uCi/cc
Cs-137	8.18E-03 uCi/cc
TOTAL FILTER SAMPLE	4.54E-02 uCi/cc

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TABLE P2. m

DRYWELL GAS ACTIVITY CONCENTRATION (T = 04:00) (11:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	2.8 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	7.8 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.7E+2
Hydrogen Concentration: .1%
Oxygen Concentration: 2.0%

Cladding Failure: 0.% Fuel Melt: 0.%

TABLE P2. n

DRYWELL GAS ACTIVITY CONCENTRATION (T = 04:15) (11:15)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.31E-01 uCi/cc
Kr-87	1.67E-01 uCi/cc
Kr-88	3.37E-01 uCi/cc
Xe-133	1.10E+00 uCi/cc
Xe-133m	3.83E-02 uCi/cc
Xe-135	2.54E-01 uCi/cc
Xe-138	4.30E-02 uCi/cc
TOTAL GAS SAMPLE	2.08E+00 uCi/cc
Br-83	1.49E-04 uCi/cc
I-131	1.97E-03 uCi/cc
I-132	2.02E-03 uCi/cc
I-133	3.82E-03 uCi/cc
I-134	1.85E-03 uCi/cc
I-135	3.12E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	1.30E-02 uCi/cc
Rb-88	1.75E-02 uCi/cc
Cs-134	1.04E-02 uCi/cc
Cs-136	3.82E-03 uCi/cc
Cs-137	6.97E-03 uCi/cc
TOTAL FILTER SAMPLE	3.96E-02 uCi/cc

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TABLE P2. n

DRYWELL GAS ACTIVITY CONCENTRATION (T = 04:15) (11:15)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	2.4 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	6.8 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.7E+2
Hydrogen Concentration: .1%
Oxygen Concentration: 2.1%

Cladding Failure: 0.% Fuel Melt: 0.%

TABLE P2. o

DRYWELL GAS ACTIVITY CONCENTRATION (T = 04:30) (11:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.31E-01 uCi/cc
Kr-87	1.62E-01 uCi/cc
Kr-88	3.35E-01 uCi/cc
Xe-133	1.11E+00 uCi/cc
Xe-133m	3.88E-02 uCi/cc
Xe-135	2.57E-01 uCi/cc
Xe-138	3.53E-02 uCi/cc
TOTAL GAS SAMPLE	2.08E+00 uCi/cc
Br-83	1.32E-04 uCi/cc
I-131	1.79E-03 uCi/cc
I-132	1.79E-03 uCi/cc
I-133	3.45E-03 uCi/cc
I-134	1.58E-03 uCi/cc
I-135	2.80E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	1.16E-02 uCi/cc
Rb-88	1.62E-02 uCi/cc
Cs-134	8.91E-03 uCi/cc
Cs-136	3.27E-03 uCi/cc
Cs-137	5.97E-03 uCi/cc
TOTAL FILTER SAMPLE	3.51E-02 uCi/cc

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TABLE P2. o

DRYWELL GAS ACTIVITY CONCENTRATION (T = 04:30) (11:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	2.1 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	6.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .1%
Oxygen Concentration: 2.1%

Cladding Failure: 0.% Fuel Melt: 0.%

TABLE P2. p

DRYWELL GAS ACTIVITY CONCENTRATION (T = 05:00) (12:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.31E-01 uCi/cc
Kr-87	1.54E-01 uCi/cc
Kr-88	3.32E-01 uCi/cc
Xe-133	1.14E+00 uCi/cc
Xe-133m	3.97E-02 uCi/cc
Xe-135	2.61E-01 uCi/cc
Xe-138	2.37E-02 uCi/cc
TOTAL GAS SAMPLE	2.09E+00 uCi/cc
Br-83	1.16E-04 uCi/cc
I-131	1.63E-03 uCi/cc
I-132	1.56E-03 uCi/cc
I-133	3.12E-03 uCi/cc
I-134	1.29E-03 uCi/cc
I-135	2.51E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	1.03E-02 uCi/cc
Rb-88	1.45E-02 uCi/cc
Cs-134	6.63E-03 uCi/cc
Cs-136	2.44E-03 uCi/cc
Cs-137	4.45E-03 uCi/cc
TOTAL FILTER SAMPLE	2.86E-02 uCi/cc

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TABLE P2. p

DRYWELL GAS ACTIVITY CONCENTRATION (T = 05:00) (12:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	1.9 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	4.9 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .1%
Oxygen Concentration: 2.3%

Cladding Failure: 0.% Fuel Melt: 0.%

TABLE P2. q

DRYWELL GAS ACTIVITY CONCENTRATION (T = 05:30) (12:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.32E-01 uCi/cc
Kr-87	1.46E-01 uCi/cc
Kr-88	3.28E-01 uCi/cc
Xe-133	1.17E+00 uCi/cc
Xe-133m	4.06E-02 uCi/cc
Xe-135	2.66E-01 uCi/cc
TOTAL GAS SAMPLE	2.11E+00 uCi/cc
Br-83	1.08E-04 uCi/cc
I-131	1.59E-03 uCi/cc
I-132	1.46E-03 uCi/cc
I-133	3.04E-03 uCi/cc
I-134	1.12E-03 uCi/cc
I-135	2.42E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	9.76E-03 uCi/cc
Rb-88	1.36E-02 uCi/cc
Cs-134	5.08E-03 uCi/cc
Cs-136	1.86E-03 uCi/cc
Cs-137	3.40E-03 uCi/cc
TOTAL FILTER SAMPLE	2.43E-02 uCi/cc

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TABLE P2. q

DRYWELL GAS ACTIVITY CONCENTRATION (T = 05:30) (12:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	1.8 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	4.1 mR/hr per cf

For 2" lead shield divide dose rate by: 2.3E+1
For 4" lead shield divide dose rate by: 3.6E+2
Hydrogen Concentration: .1%
Oxygen Concentration: 2.8%

Cladding Failure: 0.% Fuel Melt: 0.%

TABLE P2. r

DRYWELL GAS ACTIVITY CONCENTRATION (T = 06:00) (13:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.32E-01 uCi/cc
Kr-87	1.37E-01 uCi/cc
Kr-88	3.24E-01 uCi/cc
Xe-133	1.20E+00 uCi/cc
Xe-133m	4.16E-02 uCi/cc
Xe-135	2.71E-01 uCi/cc
TOTAL GAS SAMPLE	2.13E+00 uCi/cc
Br-83	1.03E-04 uCi/cc
I-131	1.58E-03 uCi/cc
I-132	1.39E-03 uCi/cc
I-133	3.01E-03 uCi/cc
I-134	9.86E-04 uCi/cc
I-135	2.37E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	9.46E-03 uCi/cc
Rb-88	1.28E-02 uCi/cc
Cs-134	4.01E-03 uCi/cc
Cs-136	1.47E-03 uCi/cc
Cs-137	2.69E-03 uCi/cc
TOTAL FILTER SAMPLE	2.12E-02 uCi/cc

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TABLE P2. r

DRYWELL GAS ACTIVITY CONCENTRATION (T = 06:00) (13:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	1.7 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	3.6 mR/hr per cf

For 2" lead shield divide dose rate by: 2.3E+1
For 4" lead shield divide dose rate by: 3.6E+2
Hydrogen Concentration: .1%
Oxygen Concentration: 3.2%

Cladding Failure: 0.% Fuel Melt: 0.%

TABLE P2. s

DRYWELL GAS ACTIVITY CONCENTRATION (T = 06:30) (13:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.32E-01 uCi/cc
Kr-87	1.30E-01 uCi/cc
Kr-88	3.20E-01 uCi/cc
Xe-133	1.23E+00 uCi/cc
Xe-133m	4.25E-02 uCi/cc
Xe-135	2.76E-01 uCi/cc
TOTAL GAS SAMPLE	2.15E+00 uCi/cc
Br-83	9.91E-05 uCi/cc
I-131	1.58E-03 uCi/cc
I-132	1.33E-03 uCi/cc
I-133	3.00E-03 uCi/cc
I-134	8.82E-04 uCi/cc
I-135	2.34E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	9.26E-03 uCi/cc
Rb-88	1.26E-02 uCi/cc
Cs-134	3.27E-03 uCi/cc
Cs-136	1.20E-03 uCi/cc
Cs-137	2.19E-03 uCi/cc
TOTAL FILTER SAMPLE	1.94E-02 uCi/cc

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TABLE P2. s

DRYWELL GAS ACTIVITY CONCENTRATION (T = 06:30) (13:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	1.6 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	3.2 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .1%
Oxygen Concentration: 2.6%

Cladding Failure: 0.% Fuel Melt: 0.%

TABLE P2. t

DRYWELL GAS ACTIVITY CONCENTRATION (T = 07:00) (14:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.32E-01 uCi/cc
Kr-87	1.23E-01 uCi/cc
Kr-88	3.17E-01 uCi/cc
Xe-133	1.25E+00 uCi/cc
Xe-133m	4.34E-02 uCi/cc
Xe-135	2.81E-01 uCi/cc
TOTAL GAS SAMPLE	2.17E+00 uCi/cc
Br-83	9.54E-05 uCi/cc
I-131	1.59E-03 uCi/cc
I-132	1.28E-03 uCi/cc
I-133	3.00E-03 uCi/cc
I-134	7.90E-04 uCi/cc
I-135	2.31E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	9.08E-03 uCi/cc
Rb-88	1.24E-02 uCi/cc
Cs-134	2.77E-03 uCi/cc
Cs-136	1.02E-03 uCi/cc
Cs-137	1.86E-03 uCi/cc
TOTAL FILTER SAMPLE	1.81E-02 uCi/cc

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TABLE P2. t

DRYWELL GAS ACTIVITY CONCENTRATION (T = 07:00) (14:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	1.6 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	3.0 mR/hr per cf

For 2" lead shield divide dose rate by: 2.3E+1
For 4" lead shield divide dose rate by: 3.6E+2
Hydrogen Concentration: .1%
Oxygen Concentration: 2.3%

Cladding Failure: 0.% Fuel Melt: 0.%

TABLE P2. u

DRYWELL GAS ACTIVITY CONCENTRATION (T = 07:30) (14:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.32E-01 uCi/cc
Kr-87	1.16E-01 uCi/cc
Kr-88	3.12E-01 uCi/cc
Xe-133	1.28E+00 uCi/cc
Xe-133m	4.43E-02 uCi/cc
Xe-135	2.85E-01 uCi/cc
TOTAL GAS SAMPLE	2.19E+00 uCi/cc
Br-83	9.13E-05 uCi/cc
I-131	1.58E-03 uCi/cc
I-132	1.22E-03 uCi/cc
I-133	2.97E-03 uCi/cc
I-134	7.03E-04 uCi/cc
I-135	2.27E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	8.86E-03 uCi/cc
Rb-88	1.21E-02 uCi/cc
Cs-134	2.42E-03 uCi/cc
Cs-136	8.87E-04 uCi/cc
Cs-137	1.62E-03 uCi/cc
TOTAL FILTER SAMPLE	1.72E-02 uCi/cc

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TABLE P2. u

DRYWELL GAS ACTIVITY CONCENTRATION (T = 07:30) (14:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	1.5 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	2.8 mR/hr per cf

For 2" lead shield divide dose rate by: 2.3E+1
For 4" lead shield divide dose rate by: 3.7E+2
Hydrogen Concentration: .1%
Oxygen Concentration: 2.2%

Cladding Failure: 0.% Fuel Melt: 0.%

TABLE P2. v

DRYWELL GAS ACTIVITY CONCENTRATION (T = 08:00) (15:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.32E-01 uCi/cc
Kr-87	1.10E-01 uCi/cc
Kr-88	3.08E-01 uCi/cc
Xe-133	1.31E+00 uCi/cc
Xe-133m	4.51E-02 uCi/cc
Xe-135	2.90E-01 uCi/cc
TOTAL GAS SAMPLE	2.21E+00 uCi/cc
Br-83	8.76E-05 uCi/cc
I-131	1.58E-03 uCi/cc
I-132	1.17E-03 uCi/cc
I-133	2.96E-03 uCi/cc
I-134	6.27E-04 uCi/cc
I-135	2.24E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	8.68E-03 uCi/cc
Rb-88	1.20E-02 uCi/cc
Cs-134	2.18E-03 uCi/cc
Cs-137	1.46E-03 uCi/cc
TOTAL FILTER SAMPLE	1.65E-02 uCi/cc

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TABLE P2. v

DRYWELL GAS ACTIVITY CONCENTRATION (T = 08:00) (15:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	1.5 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	2.7 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.7E+2
Hydrogen Concentration: .1%
Oxygen Concentration: 2.1%

Cladding Failure: 0.% Fuel Melt: 0.%

TABLE P3. a

WETWELL GAS ACTIVITY CONCENTRATION (T = 00:00) (07:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Xe-133	2.27E-09 uCi/cc
Xe-135	1.29E-09 uCi/cc
TOTAL GAS SAMPLE	3.56E-09 uCi/cc
I-131	2.01E-12 uCi/cc
I-133	3.97E-14 uCi/cc
TOTAL CHARCOAL SAMPLE	2.05E-12 uCi/cc
Cs-134	7.69E-16 uCi/cc
Cs-137	1.40E-15 uCi/cc
Np-239	8.95E-16 uCi/cc
TOTAL FILTER SAMPLE	3.06E-15 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:4.4E+2
For 4" lead shield divide dose rate by:1.3E+5
Hydrogen Concentration: .0%
Oxygen Concentration: 3.3%

TABLE P3. b

WETWELL GAS ACTIVITY CONCENTRATION (T = 01:00) (08:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Xe-133	2.27E-09 uCi/cc
Xe-135	1.25E-09 uCi/cc
TOTAL GAS SAMPLE	3.52E-09 uCi/cc
I-131	1.39E-12 uCi/cc
I-133	2.86E-14 uCi/cc
TOTAL CHARCOAL SAMPLE	1.42E-12 uCi/cc
Cs-134	6.81E-16 uCi/cc
Cs-137	1.42E-15 uCi/cc
Np-239	5.38E-16 uCi/cc
TOTAL FILTER SAMPLE	2.64E-15 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:4.4E+2
For 4" lead shield divide dose rate by:1.3E+5
Hydrogen Concentration: .0%
Oxygen Concentration: 2.4%

TABLE P3. c

WETWELL GAS ACTIVITY CONCENTRATION (T = 01:30) (08:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	3.45E-02 uCi/cc
Kr-87	6.00E-02 uCi/cc
Kr-88	9.55E-02 uCi/cc
Xe-133	2.58E-01 uCi/cc
Xe-133m	9.05E-03 uCi/cc
Xe-135	6.17E-02 uCi/cc
Xe-138	1.05E-01 uCi/cc
TOTAL GAS SAMPLE	6.29E-01 uCi/cc
Br-83	6.51E-04 uCi/cc
Br-84	7.42E-04 uCi/cc
I-131	6.86E-03 uCi/cc
I-132	8.89E-03 uCi/cc
I-133	1.36E-02 uCi/cc
I-134	1.20E-02 uCi/cc
I-135	1.17E-02 uCi/cc
TOTAL CHARCOAL SAMPLE	5.45E-02 uCi/cc
Rb-88	6.12E-03 uCi/cc
Cs-134	1.99E-03 uCi/cc
Cs-136	7.31E-04 uCi/cc
Cs-137	1.33E-03 uCi/cc
TOTAL FILTER SAMPLE	1.02E-02 uCi/cc

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TABLE P3. c

WETWELL GAS ACTIVITY CONCENTRATION (T = 01:30) (08:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	9.7 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	1.7 mR/hr per cf

For 2" lead shield divide dose rate by: 2.4E+1
For 4" lead shield divide dose rate by: 4.1E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 2.8%

TABLE P3. d

WETWELL GAS ACTIVITY CONCENTRATION (T = 01:45) (08:45)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	6.73E-02 uCi/cc
Kr-87	1.14E-01 uCi/cc
Kr-88	1.85E-01 uCi/cc
Xe-133	5.08E-01 uCi/cc
Xe-133m	1.78E-02 uCi/cc
Xe-135	1.21E-01 uCi/cc
Xe-138	1.66E-01 uCi/cc
TOTAL GAS SAMPLE	1.19E+00 uCi/cc
Br-83	1.16E-03 uCi/cc
Br-84	1.23E-03 uCi/cc
I-131	1.25E-02 uCi/cc
I-132	1.59E-02 uCi/cc
I-133	2.48E-02 uCi/cc
I-134	2.07E-02 uCi/cc
I-135	2.13E-02 uCi/cc
TOTAL CHARCOAL SAMPLE	9.76E-02 uCi/cc
Rb-88	1.16E-02 uCi/cc
Cs-134	3.69E-03 uCi/cc
Cs-136	1.36E-03 uCi/cc
Cs-137	2.47E-03 uCi/cc
TOTAL FILTER SAMPLE	1.92E-02 uCi/cc

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TABLE P3. d

WETWELL GAS ACTIVITY CONCENTRATION (T = 01:45) (08:45)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.1 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.1 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	17. mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	3.3 mR/hr per cf

For 2" lead shield divide dose rate by: 2.4E+1
For 4" lead shield divide dose rate by: 4.1E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 2.9%

TABLE P3. e

WETWELL GAS ACTIVITY CONCENTRATION (T = 02:00) (09:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	4.96E-02 uCi/cc
Kr-87	8.14E-02 uCi/cc
Kr-88	1.35E-01 uCi/cc
Xe-133	3.78E-01 uCi/cc
Xe-133m	1.33E-02 uCi/cc
Xe-135	8.99E-02 uCi/cc
Xe-138	9.96E-02 uCi/cc
TOTAL GAS SAMPLE	8.54E-01 uCi/cc
Br-83	8.07E-04 uCi/cc
Br-84	7.91E-04 uCi/cc
I-131	8.87E-03 uCi/cc
I-132	1.10E-02 uCi/cc
I-133	1.75E-02 uCi/cc
I-134	1.39E-02 uCi/cc
I-135	1.49E-02 uCi/cc
TOTAL CHARCOAL SAMPLE	6.77E-02 uCi/cc
Rb-88	8.51E-03 uCi/cc
Cs-134	2.61E-03 uCi/cc
Cs-136	9.60E-04 uCi/cc
Cs-137	1.75E-03 uCi/cc
TOTAL FILTER SAMPLE	1.39E-02 uCi/cc

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TABLE P3. e

WETWELL GAS ACTIVITY CONCENTRATION (T = 02:00) (09:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	12. mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	2.4 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:4.0E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 2.7%

TABLE P3. f

WETWELL GAS ACTIVITY CONCENTRATION (T = 02:15) (09:15)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	4.05E-02 uCi/cc
Kr-87	6.47E-02 uCi/cc
Kr-88	1.10E-01 uCi/cc
Xe-133	3.13E-01 uCi/cc
Xe-133m	1.10E-02 uCi/cc
Xe-135	7.40E-02 uCi/cc
Xe-138	6.65E-02 uCi/cc
TOTAL GAS SAMPLE	6.84E-01 uCi/cc
Br-83	6.26E-04 uCi/cc
Br-84	5.70E-04 uCi/cc
I-131	7.02E-03 uCi/cc
I-132	8.52E-03 uCi/cc
I-133	1.38E-02 uCi/cc
I-134	1.04E-02 uCi/cc
I-135	1.17E-02 uCi/cc
TOTAL CHARCOAL SAMPLE	5.27E-02 uCi/cc
Rb-88	6.91E-03 uCi/cc
Cs-134	2.07E-03 uCi/cc
Cs-136	7.60E-04 uCi/cc
Cs-137	1.39E-03 uCi/cc
TOTAL FILTER SAMPLE	1.11E-02 uCi/cc

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TABLE P3. f

WETWELL GAS ACTIVITY CONCENTRATION (T = 02:15) (09:15)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: 9.5 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: 1.9 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:4.0E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 2.5%

TABLE P3. g

WETWELL GAS ACTIVITY CONCENTRATION (T = 02:30) (09:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	3.50E-02 uCi/cc
Kr-87	5.43E-02 uCi/cc
Kr-88	9.43E-02 uCi/cc
Xe-133	2.73E-01 uCi/cc
Xe-133m	9.56E-03 uCi/cc
Xe-135	6.44E-02 uCi/cc
Xe-138	4.70E-02 uCi/cc
TOTAL GAS SAMPLE	5.82E-01 uCi/cc
Br-83	5.16E-04 uCi/cc
Br-84	4.37E-04 uCi/cc
I-131	5.92E-03 uCi/cc
I-132	7.03E-03 uCi/cc
I-133	1.16E-02 uCi/cc
I-134	8.24E-03 uCi/cc
I-135	9.83E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	4.36E-02 uCi/cc
Rb-88	5.92E-03 uCi/cc
Cs-134	1.74E-03 uCi/cc
Cs-136	6.41E-04 uCi/cc
Cs-137	1.17E-03 uCi/cc
TOTAL FILTER SAMPLE	9.49E-03 uCi/cc

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TABLE P3. g

WETWELL GAS ACTIVITY CONCENTRATION (T = 02:30) (09:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	7.9 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	1.6 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:4.0E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 2.3%

TABLE P3. h

WETWELL GAS ACTIVITY CONCENTRATION (T = 02:45) (09:45)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	3.21E-02 uCi/cc
Kr-87	4.85E-02 uCi/cc
Kr-88	8.60E-02 uCi/cc
Xe-133	2.53E-01 uCi/cc
Xe-133m	8.87E-03 uCi/cc
Xe-135	5.96E-02 uCi/cc
Xe-138	3.53E-02 uCi/cc
TOTAL GAS SAMPLE	5.28E-01 uCi/cc
Br-83	4.55E-04 uCi/cc
I-131	5.32E-03 uCi/cc
I-132	6.19E-03 uCi/cc
I-133	1.04E-02 uCi/cc
I-134	7.01E-03 uCi/cc
I-135	8.78E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	3.85E-02 uCi/cc
Rb-88	5.38E-03 uCi/cc
Cs-134	1.57E-03 uCi/cc
Cs-136	5.77E-04 uCi/cc
Cs-137	1.05E-03 uCi/cc
TOTAL FILTER SAMPLE	8.60E-03 uCi/cc

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TABLE P3. h

WETWELL GAS ACTIVITY CONCENTRATION (T = 02:45) (09:45)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: 6.9 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: 1.5 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:4.0E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 2.1%

TABLE P3. i

WETWELL GAS ACTIVITY CONCENTRATION (T = 03:00) (10:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	2.98E-02 uCi/cc
Kr-87	4.37E-02 uCi/cc
Kr-88	7.92E-02 uCi/cc
Xe-133	2.37E-01 uCi/cc
Xe-133m	8.30E-03 uCi/cc
Xe-135	5.56E-02 uCi/cc
Xe-138	2.68E-02 uCi/cc
TOTAL GAS SAMPLE	4.84E-01 uCi/cc
Br-83	4.06E-04 uCi/cc
I-131	4.85E-03 uCi/cc
I-132	5.52E-03 uCi/cc
I-133	9.47E-03 uCi/cc
I-134	6.03E-03 uCi/cc
I-135	7.93E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	3.45E-02 uCi/cc
Rb-88	4.93E-03 uCi/cc
Cs-134	1.43E-03 uCi/cc
Cs-136	5.25E-04 uCi/cc
Cs-137	9.57E-04 uCi/cc
TOTAL FILTER SAMPLE	7.86E-03 uCi/cc

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TABLE P3. i

WETWELL GAS ACTIVITY CONCENTRATION (T = 03:00) (10:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	6.2 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	1.3 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:4.0E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 1.9%

TABLE P3. j

WETWELL GAS ACTIVITY CONCENTRATION (T = 03:15) (10:15)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	2.77E-02 uCi/cc
Kr-87	3.95E-02 uCi/cc
Kr-88	7.32E-02 uCi/cc
Xe-133	2.23E-01 uCi/cc
Xe-133m	7.80E-03 uCi/cc
Xe-135	5.21E-02 uCi/cc
Xe-138	2.04E-02 uCi/cc
TOTAL GAS SAMPLE	4.47E-01 uCi/cc
Br-83	3.64E-04 uCi/cc
I-131	4.44E-03 uCi/cc
I-132	4.95E-03 uCi/cc
I-133	8.65E-03 uCi/cc
I-134	5.22E-03 uCi/cc
I-135	7.21E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	3.11E-02 uCi/cc
Rb-88	4.53E-03 uCi/cc
Cs-134	1.31E-03 uCi/cc
Cs-136	4.81E-04 uCi/cc
Cs-137	8.77E-04 uCi/cc
TOTAL FILTER SAMPLE	7.21E-03 uCi/cc

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TABLE P3. j

WETWELL GAS ACTIVITY CONCENTRATION (T = 03:15) (10:15)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	5.6 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	1.2 mR/hr per cf

For 2" lead shield divide dose rate by: 2.4E+1
For 4" lead shield divide dose rate by: 4.0E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 1.8%

TABLE P3. k

WETWELL GAS ACTIVITY CONCENTRATION (T = 03:30) (10:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	2.59E-02 uCi/cc
Kr-87	3.59E-02 uCi/cc
Kr-88	6.79E-02 uCi/cc
Xe-133	2.11E-01 uCi/cc
Xe-133m	7.36E-03 uCi/cc
Xe-135	4.91E-02 uCi/cc
Xe-138	1.55E-02 uCi/cc
TOTAL GAS SAMPLE	4.15E-01 uCi/cc
Br-83	3.29E-04 uCi/cc
I-131	4.09E-03 uCi/cc
I-132	4.46E-03 uCi/cc
I-133	7.96E-03 uCi/cc
I-134	4.55E-03 uCi/cc
I-135	6.60E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	2.82E-02 uCi/cc
Rb-88	4.17E-03 uCi/cc
Cs-134	1.21E-03 uCi/cc
Cs-136	4.44E-04 uCi/cc
Cs-137	8.09E-04 uCi/cc
TOTAL FILTER SAMPLE	6.65E-03 uCi/cc

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TABLE P3. k

WETWELL GAS ACTIVITY CONCENTRATION (T = 03:30) (10:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	5.1 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	1.1 mR/hr per cf

For 2" lead shield divide dose rate by: 2.4E+1
For 4" lead shield divide dose rate by: 3.9E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 1.7%

TABLE P3. 1

WETWELL GAS ACTIVITY CONCENTRATION (T = 03:45) (10:45)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	2.43E-02 uCi/cc
Kr-87	3.27E-02 uCi/cc
Kr-88	6.33E-02 uCi/cc
Xe-133	2.00E-01 uCi/cc
Xe-133m	6.97E-03 uCi/cc
Xe-135	4.64E-02 uCi/cc
Xe-138	1.19E-02 uCi/cc
TOTAL GAS SAMPLE	3.88E-01 uCi/cc
Br-83	2.99E-04 uCi/cc
I-131	3.80E-03 uCi/cc
I-132	4.05E-03 uCi/cc
I-133	7.37E-03 uCi/cc
I-134	3.98E-03 uCi/cc
I-135	6.08E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	2.58E-02 uCi/cc
Rb-88	3.86E-03 uCi/cc
Cs-134	1.12E-03 uCi/cc
Cs-136	4.12E-04 uCi/cc
Cs-137	7.51E-04 uCi/cc
TOTAL FILTER SAMPLE	6.16E-03 uCi/cc

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TABLE P3. 1

WETWELL GAS ACTIVITY CONCENTRATION (T = 03:45) (10:45)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	4.6 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	1.0 mR/hr per cf

For 2" lead shield divide dose rate by: 2.4E+1
For 4" lead shield divide dose rate by: 3.9E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 1.6%

TABLE P3. m

WETWELL GAS ACTIVITY CONCENTRATION (T = 04:00) (11:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	2.28E-02 uCi/cc
Kr-87	2.99E-02 uCi/cc
Kr-88	5.92E-02 uCi/cc
Xe-133	1.90E-01 uCi/cc
Xe-133m	6.63E-03 uCi/cc
Xe-135	4.41E-02 uCi/cc
Xe-138	9.18E-03 uCi/cc
TOTAL GAS SAMPLE	3.64E-01 uCi/cc
Br-83	2.73E-04 uCi/cc
I-131	3.54E-03 uCi/cc
I-132	3.70E-03 uCi/cc
I-133	6.86E-03 uCi/cc
I-134	3.51E-03 uCi/cc
I-135	5.63E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	2.37E-02 uCi/cc
Rb-88	3.59E-03 uCi/cc
Cs-134	1.05E-03 uCi/cc
Cs-136	3.84E-04 uCi/cc
Cs-137	7.01E-04 uCi/cc
TOTAL FILTER SAMPLE	5.73E-03 uCi/cc

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TABLE P3. m

WETWELL GAS ACTIVITY CONCENTRATION (T = 04:00) (11:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	4.2 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	1.0 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:3.9E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 1.5%

TABLE P3. n

WETWELL GAS ACTIVITY CONCENTRATION (T = 04:15) (11:15)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	2.17E-02 uCi/cc
Kr-87	2.76E-02 uCi/cc
Kr-88	5.58E-02 uCi/cc
Xe-133	1.82E-01 uCi/cc
Xe-133m	6.36E-03 uCi/cc
Xe-135	4.22E-02 uCi/cc
Xe-138	7.12E-03 uCi/cc
TOTAL GAS SAMPLE	3.45E-01 uCi/cc
Br-83	2.52E-04 uCi/cc
I-131	3.33E-03 uCi/cc
I-132	3.41E-03 uCi/cc
I-133	6.44E-03 uCi/cc
I-134	3.12E-03 uCi/cc
I-135	5.26E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	2.19E-02 uCi/cc
Rb-88	3.35E-03 uCi/cc
Cs-134	9.85E-04 uCi/cc
Cs-136	3.62E-04 uCi/cc
Cs-137	6.60E-04 uCi/cc
TOTAL FILTER SAMPLE	5.37E-03 uCi/cc

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TABLE P3. n

WETWELL GAS ACTIVITY CONCENTRATION (T = 04:15) (11:15)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	3.9 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	0.9 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:3.9E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 1.5%

TABLE P3. o

WETWELL GAS ACTIVITY CONCENTRATION (T = 04:30) (11:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	2.04E-02 uCi/cc
Kr-87	2.52E-02 uCi/cc
Kr-88	5.21E-02 uCi/cc
Xe-133	1.73E-01 uCi/cc
Xe-133m	6.04E-03 uCi/cc
Xe-135	4.00E-02 uCi/cc
Xe-138	5.48E-03 uCi/cc
TOTAL GAS SAMPLE	3.25E-01 uCi/cc
Br-83	2.30E-04 uCi/cc
I-131	3.11E-03 uCi/cc
I-132	3.11E-03 uCi/cc
I-133	6.00E-03 uCi/cc
I-134	2.75E-03 uCi/cc
I-135	4.87E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	2.02E-02 uCi/cc
Rb-88	3.11E-03 uCi/cc
Cs-134	9.21E-04 uCi/cc
Cs-136	3.38E-04 uCi/cc
Cs-137	6.17E-04 uCi/cc
TOTAL FILTER SAMPLE	5.00E-03 uCi/cc

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TABLE P3. o

WETWELL GAS ACTIVITY CONCENTRATION (T = 04:30) (11:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: 3.6 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: 0.8 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:3.9E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 1.4%

TABLE P3. p

WETWELL GAS ACTIVITY CONCENTRATION (T = 05:00) (12:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.81E-02 uCi/cc
Kr-87	2.12E-02 uCi/cc
Kr-88	4.57E-02 uCi/cc
Xe-133	1.57E-01 uCi/cc
Xe-133m	5.47E-03 uCi/cc
Xe-135	3.61E-02 uCi/cc
Xe-138	3.25E-03 uCi/cc
TOTAL GAS SAMPLE	2.89E-01 uCi/cc
Br-83	1.94E-04 uCi/cc
I-131	2.73E-03 uCi/cc
I-132	2.62E-03 uCi/cc
I-133	5.25E-03 uCi/cc
I-134	2.16E-03 uCi/cc
I-135	4.22E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	1.72E-02 uCi/cc
Rb-88	2.69E-03 uCi/cc
Cs-134	8.12E-04 uCi/cc
Cs-136	2.98E-04 uCi/cc
Cs-137	5.44E-04 uCi/cc
TOTAL FILTER SAMPLE	4.35E-03 uCi/cc

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TABLE P3. p

WETWELL GAS ACTIVITY CONCENTRATION (T = 05:00) (12:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	3.0 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	0.7 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:3.9E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 1.3%

TABLE P3. q

WETWELL GAS ACTIVITY CONCENTRATION (T = 05:30) (12:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.56E-02 uCi/cc
Kr-87	1.72E-02 uCi/cc
Kr-88	3.88E-02 uCi/cc
Xe-133	1.38E-01 uCi/cc
Xe-133m	4.81E-03 uCi/cc
Xe-135	3.18E-02 uCi/cc
TOTAL GAS SAMPLE	2.50E-01 uCi/cc
Br-83	1.60E-04 uCi/cc
I-131	2.35E-03 uCi/cc
I-132	2.16E-03 uCi/cc
I-133	4.49E-03 uCi/cc
I-134	1.66E-03 uCi/cc
I-135	3.57E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	1.44E-02 uCi/cc
Rb-88	2.26E-03 uCi/cc
Cs-134	7.00E-04 uCi/cc
Cs-136	2.57E-04 uCi/cc
Cs-137	4.69E-04 uCi/cc
TOTAL FILTER SAMPLE	3.70E-03 uCi/cc

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TABLE P3. q

WETWELL GAS ACTIVITY CONCENTRATION (T = 05:30) (12:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	2.5 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	0.6 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:3.9E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 1.2%

TABLE P3. r

WETWELL GAS ACTIVITY CONCENTRATION (T = 06:00) (13:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.32E-02 uCi/cc
Kr-87	1.38E-02 uCi/cc
Kr-88	3.25E-02 uCi/cc
Xe-133	1.20E-01 uCi/cc
Xe-133m	4.17E-03 uCi/cc
Xe-135	2.75E-02 uCi/cc
TOTAL GAS SAMPLE	2.14E-01 uCi/cc
Br-83	1.31E-04 uCi/cc
I-131	2.01E-03 uCi/cc
I-132	1.76E-03 uCi/cc
I-133	3.82E-03 uCi/cc
I-134	1.25E-03 uCi/cc
I-135	3.01E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	1.20E-02 uCi/cc
Rb-88	1.85E-03 uCi/cc
Cs-134	6.03E-04 uCi/cc
Cs-136	2.21E-04 uCi/cc
Cs-137	4.04E-04 uCi/cc
TOTAL FILTER SAMPLE	3.08E-03 uCi/cc

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TABLE P3. r

WETWELL GAS ACTIVITY CONCENTRATION (T = 06:00) (13:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	2.1 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	0.5 mR/hr per cf

For 2" lead shield divide dose rate by: 2.4E+1
For 4" lead shield divide dose rate by: 4.0E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 1.1%

TABLE P3. s

WETWELL GAS ACTIVITY CONCENTRATION (T = 06:30) (13:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.09E-02 uCi/cc
Kr-87	1.08E-02 uCi/cc
Kr-88	2.66E-02 uCi/cc
Xe-133	1.02E-01 uCi/cc
Xe-133m	3.52E-03 uCi/cc
Xe-135	2.33E-02 uCi/cc
TOTAL GAS SAMPLE	1.78E-01 uCi/cc
Br-83	1.06E-04 uCi/cc
I-131	1.69E-03 uCi/cc
I-132	1.42E-03 uCi/cc
I-133	3.21E-03 uCi/cc
I-134	9.43E-04 uCi/cc
I-135	2.50E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	9.90E-03 uCi/cc
Rb-88	1.51E-03 uCi/cc
Cs-134	5.11E-04 uCi/cc
Cs-136	1.88E-04 uCi/cc
Cs-137	3.43E-04 uCi/cc
TOTAL FILTER SAMPLE	2.55E-03 uCi/cc

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TABLE P3. s

WETWELL GAS ACTIVITY CONCENTRATION (T = 06:30) (13:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	1.7 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	0.4 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:4.0E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 1.0%

TABLE P3. t

WETWELL GAS ACTIVITY CONCENTRATION (T = 07:00) (14:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	8.85E-03 uCi/cc
Kr-87	8.24E-03 uCi/cc
Kr-88	2.12E-02 uCi/cc
Xe-133	8.42E-02 uCi/cc
Xe-133m	2.91E-03 uCi/cc
Xe-135	1.93E-02 uCi/cc
TOTAL GAS SAMPLE	1.46E-01 uCi/cc
Br-83	8.50E-05 uCi/cc
I-131	1.41E-03 uCi/cc
I-132	1.14E-03 uCi/cc
I-133	2.67E-03 uCi/cc
I-134	7.03E-04 uCi/cc
I-135	2.06E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	8.08E-03 uCi/cc
Rb-88	1.20E-03 uCi/cc
Cs-134	4.30E-04 uCi/cc
Cs-136	1.58E-04 uCi/cc
Cs-137	2.88E-04 uCi/cc
TOTAL FILTER SAMPLE	2.08E-03 uCi/cc

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TABLE P3. t

WETWELL GAS ACTIVITY CONCENTRATION (T = 07:00) (14:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	1.4 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	0.3 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:4.0E+2
Hydrogen Concentration: .0%
Oxygen Concentration: .9%

TABLE P3. u

WETWELL GAS ACTIVITY CONCENTRATION (T = 07:30) (14:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	7.41E-03 uCi/cc
Kr-87	6.52E-03 uCi/cc
Kr-88	1.75E-02 uCi/cc
Xe-133	7.20E-02 uCi/cc
Xe-133m	2.49E-03 uCi/cc
Xe-135	1.65E-02 uCi/cc
TOTAL GAS SAMPLE	1.23E-01 uCi/cc
Br-83	7.13E-05 uCi/cc
I-131	1.24E-03 uCi/cc
I-132	9.53E-04 uCi/cc
I-133	2.32E-03 uCi/cc
I-134	5.48E-04 uCi/cc
I-135	1.77E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	6.91E-03 uCi/cc
Rb-88	9.92E-04 uCi/cc
Cs-134	3.79E-04 uCi/cc
Cs-136	1.39E-04 uCi/cc
Cs-137	2.54E-04 uCi/cc
TOTAL FILTER SAMPLE	1.77E-03 uCi/cc

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TABLE P3. u

WETWELL GAS ACTIVITY CONCENTRATION (T = 07:30) (14:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	1.2 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	0.3 mR/hr per cf

For 2" lead shield divide dose rate by:2.5E+1
For 4" lead shield divide dose rate by:4.0E+2
Hydrogen Concentration: .0%
Oxygen Concentration: .8%

TABLE P3. v

WETWELL GAS ACTIVITY CONCENTRATION (T = 08:00) (15:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	6.25E-03 uCi/cc
Kr-87	5.20E-03 uCi/cc
Kr-88	1.46E-02 uCi/cc
Xe-133	6.21E-02 uCi/cc
Xe-133m	2.14E-03 uCi/cc
Xe-135	1.43E-02 uCi/cc
TOTAL GAS SAMPLE	1.05E-01 uCi/cc
Br-83	6.08E-05 uCi/cc
I-131	1.10E-03 uCi/cc
I-132	8.10E-04 uCi/cc
I-133	2.05E-03 uCi/cc
I-134	4.34E-04 uCi/cc
I-135	1.55E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	6.01E-03 uCi/cc
Rb-88	8.26E-04 uCi/cc
Cs-134	3.39E-04 uCi/cc
Cs-136	1.24E-04 uCi/cc
Cs-137	2.27E-04 uCi/cc
TOTAL FILTER SAMPLE	1.52E-03 uCi/cc

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TABLE P3. v

WETWELL GAS ACTIVITY CONCENTRATION (T = 08:00) (15:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	< 0.1 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	1.0 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	0.2 mR/hr per cf

For 2" lead shield divide dose rate by: 2.5E+1
For 4" lead shield divide dose rate by: 4.1E+2
Hydrogen Concentration: .0%
Oxygen Concentration: .7%

TABLE P4. a

WETWELL WATER ACTIVITY CONCENTRATION (T = 00:00) (07:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Xe-133	1.69E-09 uCi/cc
Xe-135	9.84E-10 uCi/cc
I-131	6.28E-12 uCi/cc
TOTAL WATER SAMPLE	2.68E-09 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 4.4E+2
For 4" lead shield divide dose rate by: 1.3E+5

TABLE P4. b

WETWELL WATER ACTIVITY CONCENTRATION (T = 01:00) (08:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Xe-133	1.59E-09 uCi/cc
Xe-135	8.85E-10 uCi/cc
I-131	6.33E-12 uCi/cc
TOTAL WATER SAMPLE	2.48E-09 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 4.4E+2
For 4" lead shield divide dose rate by: 1.3E+5

TABLE P4. c

WETWELL WATER ACTIVITY CONCENTRATION (T = 01:30) (08:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-87	1.24E-04 uCi/cc
Kr-88	1.97E-04 uCi/cc
Xe-133	5.32E-04 uCi/cc
Xe-135	1.31E-04 uCi/cc
Xe-138	2.15E-04 uCi/cc
Br-83	1.20E-03 uCi/cc
Br-84	1.36E-03 uCi/cc
I-131	1.26E-02 uCi/cc
I-132	1.63E-02 uCi/cc
I-133	2.49E-02 uCi/cc
I-134	2.21E-02 uCi/cc
I-135	2.16E-02 uCi/cc
Rb-88	1.11E-02 uCi/cc
Cs-134	3.65E-03 uCi/cc
Cs-136	1.34E-03 uCi/cc
Cs-137	2.44E-03 uCi/cc
Mo-99	1.57E-04 uCi/cc
Tc-99m	1.52E-04 uCi/cc
TOTAL WATER SAMPLE	1.20E-01 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.2E+1
For 4" lead shield divide dose rate by: 7.6E+2

TABLE P4. d

WETWELL WATER ACTIVITY CONCENTRATION (T = 01:45) (08:45)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-87	3.15E-04 uCi/cc
Kr-88	5.12E-04 uCi/cc
Xe-133	1.43E-03 uCi/cc
Xe-135	5.00E-04 uCi/cc
Xe-138	4.60E-04 uCi/cc
Br-83	2.91E-03 uCi/cc
Br-84	3.07E-03 uCi/cc
I-131	3.13E-02 uCi/cc
I-132	3.97E-02 uCi/cc
I-133	6.18E-02 uCi/cc
I-134	5.18E-02 uCi/cc
I-135	5.31E-02 uCi/cc
Rb-88	2.37E-02 uCi/cc
Cs-134	9.21E-03 uCi/cc
Cs-136	3.39E-03 uCi/cc
Cs-137	6.17E-03 uCi/cc
Mo-99	3.93E-04 uCi/cc
Tc-99m	3.78E-04 uCi/cc
TOTAL WATER SAMPLE	2.91E-01 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.3E+1
For 4" lead shield divide dose rate by: 7.7E+2

TABLE P4. e

WETWELL WATER ACTIVITY CONCENTRATION (T = 02:00) (09:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-87	2.97E-04 uCi/cc
Kr-88	4.94E-04 uCi/cc
Xe-133	1.42E-03 uCi/cc
Xe-135	6.41E-04 uCi/cc
Xe-138	3.64E-04 uCi/cc
Br-83	2.72E-03 uCi/cc
Br-84	2.67E-03 uCi/cc
I-131	2.99E-02 uCi/cc
I-132	3.70E-02 uCi/cc
I-133	5.88E-02 uCi/cc
I-134	4.67E-02 uCi/cc
I-135	5.03E-02 uCi/cc
Rb-88	1.91E-02 uCi/cc
Cs-134	8.79E-03 uCi/cc
Cs-136	3.23E-03 uCi/cc
Cs-137	5.89E-03 uCi/cc
Mo-99	3.74E-04 uCi/cc
Tc-99m	3.57E-04 uCi/cc
TOTAL WATER SAMPLE	2.70E-01 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.3E+1
For 4" lead shield divide dose rate by: 7.9E+2

TABLE P4. f

WETWELL WATER ACTIVITY CONCENTRATION (T = 02:15) (09:15)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-87	2.78E-04 uCi/cc
Kr-88	4.72E-04 uCi/cc
Xe-133	1.40E-03 uCi/cc
Xe-135	7.61E-04 uCi/cc
Xe-138	2.86E-04 uCi/cc
Br-83	2.54E-03 uCi/cc
Br-84	2.31E-03 uCi/cc
I-131	2.85E-02 uCi/cc
I-132	3.46E-02 uCi/cc
I-133	5.60E-02 uCi/cc
I-134	4.21E-02 uCi/cc
I-135	4.77E-02 uCi/cc
Rb-88	1.55E-02 uCi/cc
Cs-134	8.40E-03 uCi/cc
Cs-136	3.09E-03 uCi/cc
Cs-137	5.63E-03 uCi/cc
Mo-99	3.57E-04 uCi/cc
Tc-99m	3.38E-04 uCi/cc
TOTAL WATER SAMPLE	2.51E-01 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.3E+1
For 4" lead shield divide dose rate by: 8.0E+2

TABLE P4. g

WETWELL WATER ACTIVITY CONCENTRATION (T = 02:30) (09:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-87	2.59E-04 uCi/cc
Kr-88	4.49E-04 uCi/cc
Xe-133	1.37E-03 uCi/cc
Xe-135	8.60E-04 uCi/cc
Br-83	2.37E-03 uCi/cc
Br-84	2.01E-03 uCi/cc
I-131	2.72E-02 uCi/cc
I-132	3.23E-02 uCi/cc
I-133	5.33E-02 uCi/cc
I-134	3.79E-02 uCi/cc
I-135	4.51E-02 uCi/cc
Rb-88	1.25E-02 uCi/cc
Cs-134	8.01E-03 uCi/cc
Cs-136	2.95E-03 uCi/cc
Cs-137	5.37E-03 uCi/cc
Mo-99	3.40E-04 uCi/cc
Tc-99m	3.20E-04 uCi/cc
TOTAL WATER SAMPLE	2.33E-01 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.4E+1
For 4" lead shield divide dose rate by: 8.1E+2

TABLE P4. h

WETWELL WATER ACTIVITY CONCENTRATION (T = 02:45) (09:45)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-87	2.41E-04 uCi/cc
Kr-88	4.27E-04 uCi/cc
Xe-133	1.34E-03 uCi/cc
Xe-135	9.43E-04 uCi/cc
Br-83	2.22E-03 uCi/cc
Br-84	1.74E-03 uCi/cc
I-131	2.59E-02 uCi/cc
I-132	3.01E-02 uCi/cc
I-133	5.07E-02 uCi/cc
I-134	3.41E-02 uCi/cc
I-135	4.27E-02 uCi/cc
Rb-88	1.01E-02 uCi/cc
Cs-134	7.64E-03 uCi/cc
Cs-136	2.81E-03 uCi/cc
Cs-137	5.12E-03 uCi/cc
Mo-99	3.23E-04 uCi/cc
Tc-99m	3.02E-04 uCi/cc
Ru-103	2.22E-04 uCi/cc
TOTAL WATER SAMPLE	2.17E-01 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.4E+1
For 4" lead shield divide dose rate by: 8.3E+2

TABLE P4. i

WETWELL WATER ACTIVITY CONCENTRATION (T = 03:00) (10:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-87	2.23E-04 uCi/cc
Kr-88	4.05E-04 uCi/cc
Xe-133	1.31E-03 uCi/cc
Xe-135	1.01E-03 uCi/cc
Br-83	2.07E-03 uCi/cc
Br-84	1.51E-03 uCi/cc
I-131	2.47E-02 uCi/cc
I-132	2.81E-02 uCi/cc
I-133	4.82E-02 uCi/cc
I-134	3.07E-02 uCi/cc
I-135	4.04E-02 uCi/cc
Rb-88	8.21E-03 uCi/cc
Cs-134	7.29E-03 uCi/cc
Cs-136	2.68E-03 uCi/cc
Cs-137	4.89E-03 uCi/cc
Mo-99	3.08E-04 uCi/cc
Tc-99m	2.86E-04 uCi/cc
Ru-103	2.12E-04 uCi/cc
TOTAL WATER SAMPLE	2.03E-01 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.4E+1
For 4" lead shield divide dose rate by: 8.4E+2

TABLE P4. j

WETWELL WATER ACTIVITY CONCENTRATION (T = 03:15) (10:15)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-87	2.08E-04 uCi/cc
Kr-88	3.84E-04 uCi/cc
Xe-133	1.27E-03 uCi/cc
Xe-135	1.07E-03 uCi/cc
Br-83	1.93E-03 uCi/cc
Br-84	1.31E-03 uCi/cc
I-131	2.35E-02 uCi/cc
I-132	2.62E-02 uCi/cc
I-133	4.58E-02 uCi/cc
I-134	2.77E-02 uCi/cc
I-135	3.82E-02 uCi/cc
Rb-88	6.67E-03 uCi/cc
Cs-134	6.96E-03 uCi/cc
Cs-136	2.56E-03 uCi/cc
Cs-137	4.66E-03 uCi/cc
Mo-99	2.94E-04 uCi/cc
Tc-99m	2.71E-04 uCi/cc
Ru-103	2.02E-04 uCi/cc
TOTAL WATER SAMPLE	1.90E-01 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.4E+1
For 4" lead shield divide dose rate by: 8.5E+2

TABLE P4. k

WETWELL WATER ACTIVITY CONCENTRATION (T = 03:30) (10:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-87	1.93E-04 uCi/cc
Kr-88	3.65E-04 uCi/cc
Xe-133	1.24E-03 uCi/cc
Xe-135	1.12E-03 uCi/cc
Br-83	1.80E-03 uCi/cc
Br-84	1.14E-03 uCi/cc
I-131	2.24E-02 uCi/cc
I-132	2.44E-02 uCi/cc
I-133	4.36E-02 uCi/cc
I-134	2.49E-02 uCi/cc
I-135	3.62E-02 uCi/cc
Rb-88	5.43E-03 uCi/cc
Cs-134	6.64E-03 uCi/cc
Cs-136	2.44E-03 uCi/cc
Cs-137	4.45E-03 uCi/cc
Mo-99	2.80E-04 uCi/cc
Tc-99m	2.56E-04 uCi/cc
Ru-103	1.93E-04 uCi/cc
TOTAL WATER SAMPLE	1.77E-01 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.5E+1
For 4" lead shield divide dose rate by: 8.6E+2

TABLE P4. 1

WETWELL WATER ACTIVITY CONCENTRATION (T = 03:45) (10:45)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-87	1.79E-04 uCi/cc
Kr-88	3.47E-04 uCi/cc
Xe-133	1.21E-03 uCi/cc
Xe-135	1.15E-03 uCi/cc
Br-83	1.68E-03 uCi/cc
Br-84	9.86E-04 uCi/cc
I-131	2.14E-02 uCi/cc
I-132	2.28E-02 uCi/cc
I-133	4.15E-02 uCi/cc
I-134	2.24E-02 uCi/cc
I-135	3.42E-02 uCi/cc
Rb-88	4.43E-03 uCi/cc
Cs-134	6.35E-03 uCi/cc
Cs-136	2.33E-03 uCi/cc
Cs-137	4.25E-03 uCi/cc
Mo-99	2.67E-04 uCi/cc
Tc-99m	2.43E-04 uCi/cc
Ru-103	1.84E-04 uCi/cc
TOTAL WATER SAMPLE	1.66E-01 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.5E+1
For 4" lead shield divide dose rate by: 8.7E+2

TABLE P4. m

WETWELL WATER ACTIVITY CONCENTRATION (T = 04:00) (11:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-87	1.67E-04 uCi/cc
Kr-88	3.30E-04 uCi/cc
Xe-133	1.18E-03 uCi/cc
Xe-135	1.18E-03 uCi/cc
Br-83	1.57E-03 uCi/cc
Br-84	8.55E-04 uCi/cc
I-131	2.04E-02 uCi/cc
I-132	2.13E-02 uCi/cc
I-133	3.94E-02 uCi/cc
I-134	2.02E-02 uCi/cc
I-135	3.24E-02 uCi/cc
Rb-88	3.62E-03 uCi/cc
Cs-134	6.06E-03 uCi/cc
Cs-136	2.23E-03 uCi/cc
Cs-137	4.06E-03 uCi/cc
Mo-99	2.55E-04 uCi/cc
Tc-99m	2.30E-04 uCi/cc
Ru-103	1.76E-04 uCi/cc
TOTAL WATER SAMPLE	1.56E-01 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.5E+1
For 4" lead shield divide dose rate by: 8.8E+2

TABLE P4. n

WETWELL WATER ACTIVITY CONCENTRATION (T = 04:15) (11:15)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-87	1.56E-04 uCi/cc
Kr-88	3.15E-04 uCi/cc
Xe-133	1.16E-03 uCi/cc
Xe-135	1.21E-03 uCi/cc
Br-83	1.47E-03 uCi/cc
Br-84	7.43E-04 uCi/cc
I-131	1.94E-02 uCi/cc
I-132	1.99E-02 uCi/cc
I-133	3.76E-02 uCi/cc
I-134	1.82E-02 uCi/cc
I-135	3.07E-02 uCi/cc
Rb-88	2.98E-03 uCi/cc
Cs-134	5.81E-03 uCi/cc
Cs-136	2.14E-03 uCi/cc
Cs-137	3.89E-03 uCi/cc
Mo-99	2.44E-04 uCi/cc
Tc-99m	2.19E-04 uCi/cc
Ru-103	1.68E-04 uCi/cc
TOTAL WATER SAMPLE	1.46E-01 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.5E+1
For 4" lead shield divide dose rate by: 8.9E+2

TABLE P4. o

WETWELL WATER ACTIVITY CONCENTRATION (T = 04:30) (11:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-87	1.46E-04 uCi/cc
Kr-88	3.01E-04 uCi/cc
Xe-133	1.13E-03 uCi/cc
Xe-135	1.22E-03 uCi/cc
Br-83	1.37E-03 uCi/cc
Br-84	6.45E-04 uCi/cc
I-131	1.85E-02 uCi/cc
I-132	1.86E-02 uCi/cc
I-133	3.58E-02 uCi/cc
I-134	1.64E-02 uCi/cc
I-135	2.91E-02 uCi/cc
Rb-88	2.45E-03 uCi/cc
Cs-134	5.57E-03 uCi/cc
Cs-136	2.05E-03 uCi/cc
Cs-137	3.73E-03 uCi/cc
Mo-99	2.33E-04 uCi/cc
Tc-99m	2.08E-04 uCi/cc
Ru-103	1.61E-04 uCi/cc
TOTAL WATER SAMPLE	1.38E-01 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.6E+1
For 4" lead shield divide dose rate by: 9.1E+2

TABLE P4. p

WETWELL WATER ACTIVITY CONCENTRATION (T = 05:00) (12:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-87	1.28E-04 uCi/cc
Kr-88	2.76E-04 uCi/cc
Xe-133	1.08E-03 uCi/cc
Xe-135	1.24E-03 uCi/cc
Br-83	1.20E-03 uCi/cc
Br-84	4.87E-04 uCi/cc
I-131	1.69E-02 uCi/cc
I-132	1.62E-02 uCi/cc
I-133	3.24E-02 uCi/cc
I-134	1.33E-02 uCi/cc
I-135	2.61E-02 uCi/cc
Rb-88	1.69E-03 uCi/cc
Cs-134	5.13E-03 uCi/cc
Cs-136	1.88E-03 uCi/cc
Cs-137	3.43E-03 uCi/cc
Mo-99	2.14E-04 uCi/cc
Tc-99m	1.88E-04 uCi/cc
Ru-103	1.48E-04 uCi/cc
TOTAL WATER SAMPLE	1.22E-01 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.6E+1
For 4" lead shield divide dose rate by: 9.3E+2

TABLE P4. q

WETWELL WATER ACTIVITY CONCENTRATION (T = 05:30) (12:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-87	1.14E-04 uCi/cc
Kr-88	2.57E-04 uCi/cc
Xe-133	1.05E-03 uCi/cc
Xe-135	1.24E-03 uCi/cc
Br-83	1.05E-03 uCi/cc
Br-84	3.68E-04 uCi/cc
I-131	1.54E-02 uCi/cc
I-132	1.42E-02 uCi/cc
I-133	2.95E-02 uCi/cc
I-134	1.09E-02 uCi/cc
I-135	2.35E-02 uCi/cc
Rb-88	1.19E-03 uCi/cc
Cs-134	4.75E-03 uCi/cc
Cs-136	1.74E-03 uCi/cc
Cs-137	3.18E-03 uCi/cc
Mo-99	1.98E-04 uCi/cc
Tc-99m	1.72E-04 uCi/cc
Ru-103	1.37E-04 uCi/cc
TOTAL WATER SAMPLE	1.09E-01 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.7E+1
For 4" lead shield divide dose rate by: 9.5E+2

TABLE P4. r

WETWELL WATER ACTIVITY CONCENTRATION (T = 06:00) (13:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-87	9.92E-05 uCi/cc
Kr-88	2.34E-04 uCi/cc
Xe-133	1.01E-03 uCi/cc
Xe-135	1.23E-03 uCi/cc
Br-83	9.19E-04 uCi/cc
Br-84	2.74E-04 uCi/cc
I-131	1.41E-02 uCi/cc
I-132	1.23E-02 uCi/cc
I-133	2.68E-02 uCi/cc
I-134	8.78E-03 uCi/cc
I-135	2.11E-02 uCi/cc
Rb-88	8.18E-04 uCi/cc
Cs-134	4.38E-03 uCi/cc
Cs-136	1.61E-03 uCi/cc
Cs-137	2.93E-03 uCi/cc
Mo-99	1.82E-04 uCi/cc
Tc-99m	1.55E-04 uCi/cc
Ru-103	1.26E-04 uCi/cc
TOTAL WATER SAMPLE	9.72E-02 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.7E+1
For 4" lead shield divide dose rate by: 9.7E+2

TABLE P4. s

WETWELL WATER ACTIVITY CONCENTRATION (T = 06:30) (13:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-88	2.09E-04 uCi/cc
Xe-133	9.39E-04 uCi/cc
Xe-135	1.19E-03 uCi/cc
Br-83	8.00E-04 uCi/cc
Br-84	2.06E-04 uCi/cc
I-131	1.28E-02 uCi/cc
I-132	1.07E-02 uCi/cc
I-133	2.42E-02 uCi/cc
I-134	7.11E-03 uCi/cc
I-135	1.88E-02 uCi/cc
Rb-88	5.77E-04 uCi/cc
Cs-134	3.99E-03 uCi/cc
Cs-136	1.46E-03 uCi/cc
Cs-137	2.67E-03 uCi/cc
Mo-99	1.65E-04 uCi/cc
Tc-99m	1.39E-04 uCi/cc
Ru-103	1.15E-04 uCi/cc
TOTAL WATER SAMPLE	8.63E-02 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.7E+1
For 4" lead shield divide dose rate by: 9.9E+2

TABLE P4. t

WETWELL WATER ACTIVITY CONCENTRATION (T = 07:00) (14:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	7.87E-05 uCi/cc
Kr-88	1.89E-04 uCi/cc
Xe-133	8.84E-04 uCi/cc
Xe-135	1.15E-03 uCi/cc
Br-83	6.97E-04 uCi/cc
Br-84	1.55E-04 uCi/cc
I-131	1.16E-02 uCi/cc
I-132	9.33E-03 uCi/cc
I-133	2.19E-02 uCi/cc
I-134	5.77E-03 uCi/cc
I-135	1.69E-02 uCi/cc
Rb-88	4.17E-04 uCi/cc
Cs-134	3.65E-03 uCi/cc
Cs-136	1.34E-03 uCi/cc
Cs-137	2.45E-03 uCi/cc
Mo-99	1.51E-04 uCi/cc
Tc-99m	1.26E-04 uCi/cc
Ru-103	1.05E-04 uCi/cc
TOTAL WATER SAMPLE	7.70E-02 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.8E+1
For 4" lead shield divide dose rate by: 1.0E+3

TABLE P4. u

WETWELL WATER ACTIVITY CONCENTRATION (T = 07:30) (14:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	7.27E-05 uCi/cc
Kr-88	1.72E-04 uCi/cc
Xe-133	8.38E-04 uCi/cc
Xe-135	1.10E-03 uCi/cc
Br-83	6.09E-04 uCi/cc
Br-84	1.17E-04 uCi/cc
I-131	1.05E-02 uCi/cc
I-132	8.13E-03 uCi/cc
I-133	1.98E-02 uCi/cc
I-134	4.68E-03 uCi/cc
I-135	1.51E-02 uCi/cc
Rb-88	3.09E-04 uCi/cc
Cs-134	3.36E-03 uCi/cc
Cs-136	1.23E-03 uCi/cc
Cs-137	2.25E-03 uCi/cc
Mo-99	1.39E-04 uCi/cc
Tc-99m	1.14E-04 uCi/cc
Ru-103	9.67E-05 uCi/cc
TOTAL WATER SAMPLE	6.88E-02 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.8E+1
For 4" lead shield divide dose rate by: 1.0E+3

TABLE P4. v

WETWELL WATER ACTIVITY CONCENTRATION (T = 08:00) (15:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	6.78E-05 uCi/cc
Kr-88	1.58E-04 uCi/cc
Xe-133	8.01E-04 uCi/cc
Xe-135	1.05E-03 uCi/cc
Br-83	5.33E-04 uCi/cc
Br-84	8.81E-05 uCi/cc
I-131	9.61E-03 uCi/cc
I-132	7.10E-03 uCi/cc
I-133	1.80E-02 uCi/cc
I-134	3.81E-03 uCi/cc
I-135	1.36E-02 uCi/cc
Rb-88	2.36E-04 uCi/cc
Cs-134	3.10E-03 uCi/cc
Cs-136	1.14E-03 uCi/cc
Cs-137	2.08E-03 uCi/cc
Mo-99	1.28E-04 uCi/cc
Tc-99m	1.03E-04 uCi/cc
Ru-103	8.92E-05 uCi/cc
TOTAL WATER SAMPLE	6.18E-02 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (10. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (0.1 ml) Dose Rate at 1 ft.: < 0.1 mR/hr

For 2" lead shield divide dose rate by: 3.9E+1
For 4" lead shield divide dose rate by: 1.0E+3

TABLE P5. a

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 00:00) (07:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Xe-133	2.44E-11 uCi/cc
Xe-135	2.43E-10 uCi/cc
TOTAL GAS SAMPLE	2.70E-10 uCi/cc
I-131	8.59E-12 uCi/cc
I-132	1.55E-11 uCi/cc
I-133	5.60E-11 uCi/cc
I-134	9.06E-12 uCi/cc
I-135	7.49E-11 uCi/cc
TOTAL CHARCOAL SAMPLE	1.64E-10 uCi/cc
Cs-137	4.19E-13 uCi/cc
Np-239	4.13E-12 uCi/cc
TOTAL FILTER SAMPLE	4.66E-12 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:4.1E+1
For 4" lead shield divide dose rate by:1.1E+3
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 1.0 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):4.8E+2 Hours
Stay Time: 2 MPC hr (in mask):2.4E+4 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):9.6E+5 Hours

TABLE P5. b

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 01:00) (08:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Xe-133	1.32E-11 uCi/cc
Xe-135	1.22E-10 uCi/cc
TOTAL GAS SAMPLE	1.37E-10 uCi/cc
I-131	7.92E-12 uCi/cc
I-132	1.62E-11 uCi/cc
I-133	5.26E-11 uCi/cc
I-134	9.37E-12 uCi/cc
I-135	7.29E-11 uCi/cc
TOTAL CHARCOAL SAMPLE	1.59E-10 uCi/cc
Cs-137	3.85E-13 uCi/cc
Np-239	3.75E-12 uCi/cc
TOTAL FILTER SAMPLE	4.33E-12 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:3.7E+1
For 4" lead shield divide dose rate by:9.7E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 0.9 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):5.2E+2 Hours
Stay Time: 2 MPC hr (in mask):2.6E+4 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):1.0E+6 Hours

TABLE P5. c

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 01:30) (08:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.11E-08 uCi/cc
Kr-87	1.94E-08 uCi/cc
Kr-88	3.08E-08 uCi/cc
Xe-133	8.31E-08 uCi/cc
Xe-133m	2.91E-09 uCi/cc
Xe-135	2.00E-08 uCi/cc
Xe-138	3.38E-08 uCi/cc
TOTAL GAS SAMPLE	2.03E-07 uCi/cc
Br-83	1.89E-09 uCi/cc
Br-84	2.15E-09 uCi/cc
I-131	1.99E-08 uCi/cc
I-132	2.58E-08 uCi/cc
I-133	3.94E-08 uCi/cc
I-134	3.49E-08 uCi/cc
I-135	3.41E-08 uCi/cc
TOTAL CHARCOAL SAMPLE	1.58E-07 uCi/cc
Rb-88	1.77E-08 uCi/cc
Cs-134	5.80E-09 uCi/cc
Cs-136	2.13E-09 uCi/cc
Cs-137	3.89E-09 uCi/cc
TOTAL FILTER SAMPLE	3.02E-08 uCi/cc

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TABLE P5. c

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 01:30) (08:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.9E+1
For 4" lead shield divide dose rate by:5.7E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: 61. mRem/hr
Net Air Sample Contact Rate: 1100. cpm/cf sample

Floor Contamination: 0.4 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):4.6E-1 Hours
Stay Time: 2 MPC hr (in mask):2.3E+1 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):9.3E+2 Hours

TABLE P5. d

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 01:45) (08:45)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	2.19E-07 uCi/cc
Kr-87	3.71E-07 uCi/cc
Kr-88	6.03E-07 uCi/cc
Xe-133	1.66E-06 uCi/cc
Xe-133m	5.81E-08 uCi/cc
Xe-135	3.98E-07 uCi/cc
Xe-138	5.42E-07 uCi/cc
TOTAL GAS SAMPLE	3.88E-06 uCi/cc
Br-83	2.89E-08 uCi/cc
Br-84	3.06E-08 uCi/cc
I-131	3.11E-07 uCi/cc
I-132	3.94E-07 uCi/cc
I-133	6.14E-07 uCi/cc
I-134	5.15E-07 uCi/cc
I-135	5.28E-07 uCi/cc
TOTAL CHARCOAL SAMPLE	2.42E-06 uCi/cc
Rb-88	2.91E-07 uCi/cc
Cs-134	1.10E-07 uCi/cc
Cs-136	4.06E-08 uCi/cc
Cs-137	7.39E-08 uCi/cc
TOTAL FILTER SAMPLE	5.28E-07 uCi/cc

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TABLE P5. d

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 01:45) (08:45)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.8E+1
For 4" lead shield divide dose rate by:5.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: 1.3 mRad/hr
Airborne Thyroid Dose Rate: 950. mRem/hr
Air Sample Contact Rate: 5.6 mR/hr / cf sample

Floor Contamination: 59. cpm/100cm2
Wall and Equipment Contamination: 5.9 cpm/100cm2
Personnel Contamination Rate: 1.7 cpm/100cm2 per minute
Personnel Contamination Rate: 1.7 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):2.9E-2 Hours
Stay Time: 2 MPC hr (in mask):1.5E+0 Hours
Stay Time: 2 MPC hr (in Air-Sup. mask):5.9E+1 Hours

TABLE P5. e

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 02:00) (09:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	3.36E-07 uCi/cc
Kr-87	5.53E-07 uCi/cc
Kr-88	9.18E-07 uCi/cc
Xe-133	2.57E-06 uCi/cc
Xe-133m	9.00E-08 uCi/cc
Xe-135	6.15E-07 uCi/cc
Xe-138	6.77E-07 uCi/cc
TOTAL GAS SAMPLE	5.80E-06 uCi/cc
Br-83	3.10E-08 uCi/cc
Br-84	3.04E-08 uCi/cc
I-131	3.41E-07 uCi/cc
I-132	4.22E-07 uCi/cc
I-133	6.71E-07 uCi/cc
I-134	5.32E-07 uCi/cc
I-135	5.74E-07 uCi/cc
TOTAL CHARCOAL SAMPLE	2.60E-06 uCi/cc
Rb-88	3.38E-07 uCi/cc
Cs-134	1.47E-07 uCi/cc
Cs-136	5.41E-08 uCi/cc
Cs-137	9.86E-08 uCi/cc
TOTAL FILTER SAMPLE	6.54E-07 uCi/cc

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TABLE P5. e

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 02:00) (09:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.8E+1
For 4" lead shield divide dose rate by:5.3E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: 1.9 mRad/hr
Airborne Thyroid Dose Rate: 1000. mRem/hr
Air Sample Contact Rate: 6.1 mR/hr / cf sample

Floor Contamination: 160. cpm/100cm2
Wall and Equipment Contamination: 16. cpm/100cm2
Personnel Contamination Rate: 1.8 cpm/100cm2 per minute
Personnel Contamination Rate: 1.8 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):2.7E-2 Hours
Stay Time: 2 MPC hr (in mask):1.3E+0 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):5.3E+1 Hours

TABLE P5. f

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 02:15) (09:15)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	4.17E-07 uCi/cc
Kr-87	6.66E-07 uCi/cc
Kr-88	1.13E-06 uCi/cc
Xe-133	3.22E-06 uCi/cc
Xe-133m	1.13E-07 uCi/cc
Xe-135	7.69E-07 uCi/cc
Xe-138	6.86E-07 uCi/cc
TOTAL GAS SAMPLE	7.06E-06 uCi/cc
Br-83	2.73E-08 uCi/cc
Br-84	2.49E-08 uCi/cc
I-131	3.07E-07 uCi/cc
I-132	3.72E-07 uCi/cc
I-133	6.03E-07 uCi/cc
I-134	4.53E-07 uCi/cc
I-135	5.13E-07 uCi/cc
TOTAL CHARCOAL SAMPLE	2.30E-06 uCi/cc
Rb-88	3.23E-07 uCi/cc
Cs-134	1.60E-07 uCi/cc
Cs-136	5.87E-08 uCi/cc
Cs-137	1.07E-07 uCi/cc
TOTAL FILTER SAMPLE	6.65E-07 uCi/cc

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TABLE P5. f

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 02:15) (09:15)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.7E+1
For 4" lead shield divide dose rate by:5.0E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: 2.3 mRad/hr
Airborne Thyroid Dose Rate: 930. mRem/hr
Air Sample Contact Rate: 5.6 mR/hr / cf sample

Floor Contamination: 260. cpm/100cm2
Wall and Equipment Contamination: 26. cpm/100cm2
Personnel Contamination Rate: 1.6 cpm/100cm2 per minute
Personnel Contamination Rate: 1.6 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):2.9E-2 Hours
Stay Time: 2 MPC hr (in mask):1.4E+0 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):5.8E+1 Hours

TABLE P5. g

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 02:30) (09:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	4.75E-07 uCi/cc
Kr-87	7.37E-07 uCi/cc
Kr-88	1.28E-06 uCi/cc
Xe-133	3.70E-06 uCi/cc
Xe-133m	1.30E-07 uCi/cc
Xe-135	8.82E-07 uCi/cc
Xe-138	6.39E-07 uCi/cc
TOTAL GAS SAMPLE	7.90E-06 uCi/cc
Br-83	2.24E-08 uCi/cc
Br-84	1.90E-08 uCi/cc
I-131	2.57E-07 uCi/cc
I-132	3.05E-07 uCi/cc
I-133	5.04E-07 uCi/cc
I-134	3.58E-07 uCi/cc
I-135	4.26E-07 uCi/cc
TOTAL CHARCOAL SAMPLE	1.89E-06 uCi/cc
Rb-88	2.87E-07 uCi/cc
Cs-134	1.59E-07 uCi/cc
Cs-136	5.85E-08 uCi/cc
Cs-137	1.07E-07 uCi/cc
TOTAL FILTER SAMPLE	6.28E-07 uCi/cc

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TABLE P5. g

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 02:30) (09:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.7E+1
For 4" lead shield divide dose rate by:4.8E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: 2.5 mRad/hr
Airborne Thyroid Dose Rate: 780. mRem/hr
Air Sample Contact Rate: 4.7 mR/hr / cf sample

Floor Contamination: 340. cpm/100cm2
Wall and Equipment Contamination: 34. cpm/100cm2
Personnel Contamination Rate: 1.3 cpm/100cm2 per minute
Personnel Contamination Rate: 1.3 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):3.4E-2 Hours
Stay Time: 2 MPC hr (in mask):1.7E+0 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):6.8E+1 Hours

TABLE P5. h

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 02:45) (09:45)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	5.31E-07 uCi/cc
Kr-87	8.01E-07 uCi/cc
Kr-88	1.42E-06 uCi/cc
Xe-133	4.19E-06 uCi/cc
Xe-133m	1.46E-07 uCi/cc
Xe-135	9.93E-07 uCi/cc
Xe-138	5.84E-07 uCi/cc
TOTAL GAS SAMPLE	8.72E-06 uCi/cc
Br-83	1.79E-08 uCi/cc
I-131	2.10E-07 uCi/cc
I-132	2.44E-07 uCi/cc
I-133	4.11E-07 uCi/cc
I-134	2.76E-07 uCi/cc
I-135	3.46E-07 uCi/cc
TOTAL CHARCOAL SAMPLE	1.52E-06 uCi/cc
Rb-88	2.54E-07 uCi/cc
Cs-134	1.55E-07 uCi/cc
Cs-136	5.71E-08 uCi/cc
Cs-137	1.04E-07 uCi/cc
TOTAL FILTER SAMPLE	5.87E-07 uCi/cc

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TABLE P5. h

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 02:45) (09:45)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.6E+1
For 4" lead shield divide dose rate by:4.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: 2.7 mRad/hr
Airborne Thyroid Dose Rate: 640. mRem/hr
Air Sample Contact Rate: 4.0 mR/hr / cf sample

Floor Contamination: 400. cpm/100cm2
Wall and Equipment Contamination: 40. cpm/100cm2
Personnel Contamination Rate: 1.1 cpm/100cm2 per minute
Personnel Contamination Rate: 1.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):4.0E-2 Hours
Stay Time: 2 MPC hr (in mask):2.0E+0 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):8.1E+1 Hours

TABLE P5. i

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 03:00) (10:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	5.88E-07 uCi/cc
Kr-87	8.63E-07 uCi/cc
Kr-88	1.56E-06 uCi/cc
Xe-133	4.69E-06 uCi/cc
Xe-133m	1.64E-07 uCi/cc
Xe-135	1.11E-06 uCi/cc
Xe-138	5.29E-07 uCi/cc
TOTAL GAS SAMPLE	9.56E-06 uCi/cc
Br-83	1.42E-08 uCi/cc
I-131	1.69E-07 uCi/cc
I-132	1.93E-07 uCi/cc
I-133	3.31E-07 uCi/cc
I-134	2.11E-07 uCi/cc
I-135	2.77E-07 uCi/cc
TOTAL CHARCOAL SAMPLE	1.21E-06 uCi/cc
Rb-88	2.26E-07 uCi/cc
Cs-134	1.50E-07 uCi/cc
Cs-136	5.52E-08 uCi/cc
Cs-137	1.01E-07 uCi/cc
TOTAL FILTER SAMPLE	5.47E-07 uCi/cc

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TABLE P5. i

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 03:00) (10:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.5E+1
For 4" lead shield divide dose rate by:4.4E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: 2.9 mRad/hr
Airborne Thyroid Dose Rate: 510. mRem/hr
Air Sample Contact Rate: 3.3 mR/hr / cf sample

Floor Contamination: 450. cpm/100cm2
Wall and Equipment Contamination: 45. cpm/100cm2
Personnel Contamination Rate: 0.9 cpm/100cm2 per minute
Personnel Contamination Rate: 0.9 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):4.8E-2 Hours
Stay Time: 2 MPC hr (in mask):2.4E+0 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):9.7E+1 Hours

TABLE P5. j

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 03:15) (10:15)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	6.45E-07 uCi/cc
Kr-87	9.20E-07 uCi/cc
Kr-88	1.70E-06 uCi/cc
Xe-133	5.20E-06 uCi/cc
Xe-133m	1.82E-07 uCi/cc
Xe-135	1.22E-06 uCi/cc
Xe-138	4.75E-07 uCi/cc
TOTAL GAS SAMPLE	1.04E-05 uCi/cc
Br-83	1.11E-08 uCi/cc
I-131	1.36E-07 uCi/cc
I-132	1.51E-07 uCi/cc
I-133	2.65E-07 uCi/cc
I-134	1.60E-07 uCi/cc
I-135	2.21E-07 uCi/cc
TOTAL CHARCOAL SAMPLE	9.51E-07 uCi/cc
Rb-88	2.03E-07 uCi/cc
Cs-134	1.43E-07 uCi/cc
Cs-136	5.27E-08 uCi/cc
Cs-137	9.61E-08 uCi/cc
TOTAL FILTER SAMPLE	5.09E-07 uCi/cc

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TABLE P5. j

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 03:15) (10:15)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.5E+1
For 4" lead shield divide dose rate by:4.2E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: 3.1 mRad/hr
Airborne Thyroid Dose Rate: 410. mRem/hr
Air Sample Contact Rate: 2.7 mR/hr / cf sample

Floor Contamination: 480. cpm/100cm2
Wall and Equipment Contamination: 48. cpm/100cm2
Personnel Contamination Rate: 0.7 cpm/100cm2 per minute
Personnel Contamination Rate: 0.7 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):5.8E-2 Hours
Stay Time: 2 MPC hr (in mask):2.9E+0 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):1.2E+2 Hours

TABLE P5. k

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 03:30) (10:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	7.02E-07 uCi/cc
Kr-87	9.73E-07 uCi/cc
Kr-88	1.84E-06 uCi/cc
Xe-133	5.72E-06 uCi/cc
Xe-133m	2.00E-07 uCi/cc
Xe-135	1.34E-06 uCi/cc
Xe-138	4.23E-07 uCi/cc
TOTAL GAS SAMPLE	1.13E-05 uCi/cc
Br-83	8.72E-09 uCi/cc
I-131	1.08E-07 uCi/cc
I-132	1.18E-07 uCi/cc
I-133	2.11E-07 uCi/cc
I-134	1.20E-07 uCi/cc
I-135	1.75E-07 uCi/cc
TOTAL CHARCOAL SAMPLE	7.47E-07 uCi/cc
Rb-88	1.84E-07 uCi/cc
Cs-134	1.36E-07 uCi/cc
Cs-136	4.99E-08 uCi/cc
Cs-137	9.10E-08 uCi/cc
TOTAL FILTER SAMPLE	4.75E-07 uCi/cc

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TABLE P5. k

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 03:30) (10:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:4.1E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: 3.3 mRad/hr
Airborne Thyroid Dose Rate: 330. mRem/hr
Air Sample Contact Rate: 2.3 mR/hr / cf sample

Floor Contamination: 510. cpm/100cm2
Wall and Equipment Contamination: 51. cpm/100cm2
Personnel Contamination Rate: 0.6 cpm/100cm2 per minute
Personnel Contamination Rate: 0.6 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):6.9E-2 Hours
Stay Time: 2 MPC hr (in mask):3.4E+0 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):1.4E+2 Hours

TABLE P5. 1

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 03:45) (10:45)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	7.58E-07 uCi/cc
Kr-87	1.02E-06 uCi/cc
Kr-88	1.98E-06 uCi/cc
Xe-133	6.24E-06 uCi/cc
Xe-133m	2.18E-07 uCi/cc
Xe-135	1.45E-06 uCi/cc
Xe-138	3.74E-07 uCi/cc
TOTAL GAS SAMPLE	1.21E-05 uCi/cc
Br-83	6.81E-09 uCi/cc
I-131	8.65E-08 uCi/cc
I-132	9.22E-08 uCi/cc
I-133	1.68E-07 uCi/cc
I-134	9.06E-08 uCi/cc
I-135	1.38E-07 uCi/cc
TOTAL CHARCOAL SAMPLE	5.86E-07 uCi/cc
Rb-88	1.70E-07 uCi/cc
Cs-134	1.28E-07 uCi/cc
Cs-136	4.70E-08 uCi/cc
Cs-137	8.56E-08 uCi/cc
TOTAL FILTER SAMPLE	4.43E-07 uCi/cc

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TABLE P5. 1

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 03:45) (10:45)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:4.0E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: 3.4 mRad/hr
Airborne Thyroid Dose Rate: 260. mRem/hr
Air Sample Contact Rate: 1.9 mR/hr / cf sample

Floor Contamination: 530. cpm/100cm2
Wall and Equipment Contamination: 53. cpm/100cm2
Personnel Contamination Rate: 0.4 cpm/100cm2 per minute
Personnel Contamination Rate: 0.4 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):8.1E-2 Hours
Stay Time: 2 MPC hr (in mask):4.0E+0 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):1.6E+2 Hours

TABLE P5. m

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 04:00) (11:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	8.13E-07 uCi/cc
Kr-87	1.07E-06 uCi/cc
Kr-88	2.11E-06 uCi/cc
Xe-133	6.77E-06 uCi/cc
Xe-133m	2.36E-07 uCi/cc
Xe-135	1.57E-06 uCi/cc
Xe-138	3.28E-07 uCi/cc
TOTAL GAS SAMPLE	1.30E-05 uCi/cc
Br-83	5.32E-09 uCi/cc
I-131	6.90E-08 uCi/cc
I-132	7.20E-08 uCi/cc
I-133	1.34E-07 uCi/cc
I-134	6.83E-08 uCi/cc
I-135	1.10E-07 uCi/cc
TOTAL CHARCOAL SAMPLE	4.61E-07 uCi/cc
Rb-88	1.60E-07 uCi/cc
Cs-134	1.19E-07 uCi/cc
Cs-136	4.39E-08 uCi/cc
Cs-137	8.01E-08 uCi/cc
TOTAL FILTER SAMPLE	4.15E-07 uCi/cc

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TABLE P5. m

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 04:00) (11:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:3.9E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: 3.6 mRad/hr
Airborne Thyroid Dose Rate: 210. mRem/hr
Net Air Sample Contact Rate: 4900. cpm/cf sample

Floor Contamination: 550. cpm/100cm2
Wall and Equipment Contamination: 55. cpm/100cm2
Personnel Contamination Rate: 0.4 cpm/100cm2 per minute
Personnel Contamination Rate: 0.4 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):9.4E-2 Hours
Stay Time: 2 MPC hr (in mask):4.7E+0 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):1.9E+2 Hours

TABLE P5. n

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 04:15) (11:15)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	8.66E-07 uCi/cc
Kr-87	1.10E-06 uCi/cc
Kr-88	2.23E-06 uCi/cc
Xe-133	7.29E-06 uCi/cc
Xe-133m	2.54E-07 uCi/cc
Xe-135	1.68E-06 uCi/cc
Xe-138	2.86E-07 uCi/cc
TOTAL GAS SAMPLE	1.38E-05 uCi/cc
Br-83	4.17E-09 uCi/cc
I-131	5.52E-08 uCi/cc
I-132	5.64E-08 uCi/cc
I-133	1.07E-07 uCi/cc
I-134	5.16E-08 uCi/cc
I-135	8.71E-08 uCi/cc
TOTAL CHARCOAL SAMPLE	3.63E-07 uCi/cc
Rb-88	1.53E-07 uCi/cc
Cs-134	1.11E-07 uCi/cc
Cs-136	4.08E-08 uCi/cc
Cs-137	7.44E-08 uCi/cc
TOTAL FILTER SAMPLE	3.90E-07 uCi/cc

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TABLE P5. n

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 04:15) (11:15)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:3.8E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: 3.8 mRad/hr
Airborne Thyroid Dose Rate: 170. mRem/hr
Net Air Sample Contact Rate: 4300. cpm/cf sample

Floor Contamination: 560. cpm/100cm2
Wall and Equipment Contamination: 56. cpm/100cm2
Personnel Contamination Rate: 0.3 cpm/100cm2 per minute
Personnel Contamination Rate: 0.3 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.1E-1 Hours
Stay Time: 2 MPC hr (in mask):5.4E+0 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):2.2E+2 Hours

TABLE P5. o

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 04:30) (11:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	9.16E-07 uCi/cc
Kr-87	1.14E-06 uCi/cc
Kr-88	2.35E-06 uCi/cc
Xe-133	7.80E-06 uCi/cc
Xe-133m	2.72E-07 uCi/cc
Xe-135	1.79E-06 uCi/cc
Xe-138	2.47E-07 uCi/cc
TOTAL GAS SAMPLE	1.46E-05 uCi/cc
Br-83	3.28E-09 uCi/cc
I-131	4.43E-08 uCi/cc
I-132	4.43E-08 uCi/cc
I-133	8.54E-08 uCi/cc
I-134	3.91E-08 uCi/cc
I-135	6.94E-08 uCi/cc
TOTAL CHARCOAL SAMPLE	2.87E-07 uCi/cc
Rb-88	1.48E-07 uCi/cc
Cs-134	1.03E-07 uCi/cc
Cs-136	3.77E-08 uCi/cc
Cs-137	6.88E-08 uCi/cc
TOTAL FILTER SAMPLE	3.67E-07 uCi/cc

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TABLE P5. o

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 04:30) (11:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.8E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: 4.0 mRad/hr
Airborne Thyroid Dose Rate: 130. mRem/hr
Net Air Sample Contact Rate: 3700. cpm/cf sample

Floor Contamination: 560. cpm/100cm2
Wall and Equipment Contamination: 56. cpm/100cm2
Personnel Contamination Rate: 0.2 cpm/100cm2 per minute
Personnel Contamination Rate: 0.2 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.2E-1 Hours
Stay Time: 2 MPC hr (in mask):6.1E+0 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):2.5E+2 Hours

TABLE P5. p

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 05:00) (12:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.01E-06 uCi/cc
Kr-87	1.18E-06 uCi/cc
Kr-88	2.55E-06 uCi/cc
Xe-133	8.77E-06 uCi/cc
Xe-133m	3.05E-07 uCi/cc
Xe-135	2.00E-06 uCi/cc
Xe-138	1.82E-07 uCi/cc
TOTAL GAS SAMPLE	1.61E-05 uCi/cc
Br-83	2.07E-09 uCi/cc
I-131	2.91E-08 uCi/cc
I-132	2.79E-08 uCi/cc
I-133	5.59E-08 uCi/cc
I-134	2.29E-08 uCi/cc
I-135	4.49E-08 uCi/cc
TOTAL CHARCOAL SAMPLE	1.84E-07 uCi/cc
Rb-88	1.43E-07 uCi/cc
Cs-134	8.69E-08 uCi/cc
Cs-136	3.19E-08 uCi/cc
Cs-137	5.82E-08 uCi/cc
TOTAL FILTER SAMPLE	3.28E-07 uCi/cc

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TABLE P5. p

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 05:00) (12:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.7E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: 4.2 mRad/hr
Airborne Thyroid Dose Rate: 87. mRem/hr
Net Air Sample Contact Rate: 2900. cpm/cf sample

Floor Contamination: 570. cpm/100cm2
Wall and Equipment Contamination: 57. cpm/100cm2
Personnel Contamination Rate: 0.2 cpm/100cm2 per minute
Personnel Contamination Rate: 0.2 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.5E-1 Hours
Stay Time: 2 MPC hr (in mask):7.5E+0 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):3.0E+2 Hours

TABLE P5. q

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 05:30) (12:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.09E-06 uCi/cc
Kr-87	1.20E-06 uCi/cc
Kr-88	2.71E-06 uCi/cc
Xe-133	9.64E-06 uCi/cc
Xe-133m	3.35E-07 uCi/cc
Xe-135	2.18E-06 uCi/cc
TOTAL GAS SAMPLE	1.74E-05 uCi/cc
Br-83	1.34E-09 uCi/cc
I-131	1.97E-08 uCi/cc
I-132	1.81E-08 uCi/cc
I-133	3.77E-08 uCi/cc
I-134	1.39E-08 uCi/cc
I-135	3.00E-08 uCi/cc
TOTAL CHARCOAL SAMPLE	1.21E-07 uCi/cc
Rb-88	1.42E-07 uCi/cc
Cs-134	7.25E-08 uCi/cc
Cs-136	2.66E-08 uCi/cc
Cs-137	4.86E-08 uCi/cc
TOTAL FILTER SAMPLE	2.95E-07 uCi/cc

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TABLE P5. q

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 05:30) (12:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.7E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: 4.5 mRad/hr
Airborne Thyroid Dose Rate: 59. mRem/hr
Net Air Sample Contact Rate: 2400. cpm/cf sample

Floor Contamination: 570. cpm/100cm2
Wall and Equipment Contamination: 57. cpm/100cm2
Personnel Contamination Rate: 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.8E-1 Hours
Stay Time: 2 MPC hr (in mask):8.8E+0 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):3.5E+2 Hours

TABLE P5. r

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 06:00) (13:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.14E-06 uCi/cc
Kr-87	1.18E-06 uCi/cc
Kr-88	2.80E-06 uCi/cc
Xe-133	1.03E-05 uCi/cc
Xe-133m	3.59E-07 uCi/cc
Xe-135	2.31E-06 uCi/cc
TOTAL GAS SAMPLE	1.83E-05 uCi/cc
Br-83	9.08E-10 uCi/cc
I-131	1.39E-08 uCi/cc
I-132	1.22E-08 uCi/cc
I-133	2.65E-08 uCi/cc
I-134	8.67E-09 uCi/cc
I-135	2.09E-08 uCi/cc
TOTAL CHARCOAL SAMPLE	8.33E-08 uCi/cc
Rb-88	1.39E-07 uCi/cc
Cs-134	5.98E-08 uCi/cc
Cs-136	2.19E-08 uCi/cc
Cs-137	4.01E-08 uCi/cc
TOTAL FILTER SAMPLE	2.65E-07 uCi/cc

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TABLE P5. r

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 06:00) (13:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: 4.6 mRad/hr
Airborne Thyroid Dose Rate: 41. mRem/hr
Net Air Sample Contact Rate: 2000. cpm/cf sample

Floor Contamination: 560. cpm/100cm2
Wall and Equipment Contamination: 56. cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):2.0E-1 Hours
Stay Time: 2 MPC hr (in mask):9.9E+0 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):4.0E+2 Hours

TABLE P5. s

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 06:30) (13:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.16E-06 uCi/cc
Kr-87	1.15E-06 uCi/cc
Kr-88	2.83E-06 uCi/cc
Xe-133	1.08E-05 uCi/cc
Xe-133m	3.75E-07 uCi/cc
Xe-135	2.40E-06 uCi/cc
TOTAL GAS SAMPLE	1.89E-05 uCi/cc
Br-83	6.36E-10 uCi/cc
I-131	1.01E-08 uCi/cc
I-132	8.52E-09 uCi/cc
I-133	1.92E-08 uCi/cc
I-134	5.65E-09 uCi/cc
I-135	1.50E-08 uCi/cc
TOTAL CHARCOAL SAMPLE	5.94E-08 uCi/cc
Rb-88	1.39E-07 uCi/cc
Cs-134	4.88E-08 uCi/cc
Cs-136	1.79E-08 uCi/cc
Cs-137	3.27E-08 uCi/cc
TOTAL FILTER SAMPLE	2.42E-07 uCi/cc

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TABLE P5. s

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 06:30) (13:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: 4.6 mRad/hr
Airborne Thyroid Dose Rate: 30. mRem/hr
Net Air Sample Contact Rate: 1700. cpm/cf sample

Floor Contamination: 560. cpm/100cm2
Wall and Equipment Contamination: 56. cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):2.2E-1 Hours
Stay Time: 2 MPC hr (in mask):1.1E+1 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):4.4E+2 Hours

TABLE P5. t

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 07:00) (14:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.17E-06 uCi/cc
Kr-87	1.09E-06 uCi/cc
Kr-88	2.80E-06 uCi/cc
Xe-133	1.11E-05 uCi/cc
Xe-133m	3.84E-07 uCi/cc
Xe-135	2.43E-06 uCi/cc
TOTAL GAS SAMPLE	1.91E-05 uCi/cc
Br-83	4.60E-10 uCi/cc
I-131	7.65E-09 uCi/cc
I-132	6.16E-09 uCi/cc
I-133	1.45E-08 uCi/cc
I-134	3.80E-09 uCi/cc
I-135	1.12E-08 uCi/cc
TOTAL CHARCOAL SAMPLE	4.38E-08 uCi/cc
Rb-88	1.37E-07 uCi/cc
Cs-134	3.95E-08 uCi/cc
Cs-136	1.45E-08 uCi/cc
Cs-137	2.65E-08 uCi/cc
TOTAL FILTER SAMPLE	2.20E-07 uCi/cc

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TABLE P5. t

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 07:00) (14:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: 4.6 mRad/hr
Airborne Thyroid Dose Rate: 23. mRem/hr
Net Air Sample Contact Rate: 1500. cpm/cf sample

Floor Contamination: 550. cpm/100cm2
Wall and Equipment Contamination: 55. cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):2.4E-1 Hours
Stay Time: 2 MPC hr (in mask):1.2E+1 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):4.8E+2 Hours

TABLE P5. u

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 07:30) (14:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.16E-06 uCi/cc
Kr-87	1.02E-06 uCi/cc
Kr-88	2.74E-06 uCi/cc
Xe-133	1.12E-05 uCi/cc
Xe-133m	3.88E-07 uCi/cc
Xe-135	2.44E-06 uCi/cc
TOTAL GAS SAMPLE	1.91E-05 uCi/cc
Br-83	3.46E-10 uCi/cc
I-131	6.00E-09 uCi/cc
I-132	4.63E-09 uCi/cc
I-133	1.13E-08 uCi/cc
I-134	2.66E-09 uCi/cc
I-135	8.62E-09 uCi/cc
TOTAL CHARCOAL SAMPLE	3.36E-08 uCi/cc
Rb-88	1.34E-07 uCi/cc
Cs-134	3.20E-08 uCi/cc
Cs-136	1.17E-08 uCi/cc
Cs-137	2.14E-08 uCi/cc
TOTAL FILTER SAMPLE	2.01E-07 uCi/cc

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TABLE P5. u

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 07:30) (14:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: 4.5 mRad/hr
Airborne Thyroid Dose Rate: 18. mRem/hr
Net Air Sample Contact Rate: 1300. cpm/cf sample

Floor Contamination: 540. cpm/100cm2
Wall and Equipment Contamination: 54. cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):2.6E-1 Hours
Stay Time: 2 MPC hr (in mask):1.3E+1 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):5.2E+2 Hours

TABLE P5. v

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 08:00) (15:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.14E-06 uCi/cc
Kr-87	9.49E-07 uCi/cc
Kr-88	2.66E-06 uCi/cc
Xe-133	1.13E-05 uCi/cc
Xe-133m	3.90E-07 uCi/cc
Xe-135	2.44E-06 uCi/cc
TOTAL GAS SAMPLE	1.90E-05 uCi/cc
Br-83	2.75E-10 uCi/cc
I-131	4.96E-09 uCi/cc
I-132	3.66E-09 uCi/cc
I-133	9.29E-09 uCi/cc
I-134	1.96E-09 uCi/cc
I-135	7.02E-09 uCi/cc
TOTAL CHARCOAL SAMPLE	2.72E-08 uCi/cc
Rb-88	1.30E-07 uCi/cc
Cs-134	2.60E-08 uCi/cc
Cs-136	9.53E-09 uCi/cc
Cs-137	1.74E-08 uCi/cc
TOTAL FILTER SAMPLE	1.85E-07 uCi/cc

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TABLE P5. v

RX BLDG & REFUEL FLOOR ACT. CONC. (T = 08:00) (15:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: 4.4 mRad/hr
Airborne Thyroid Dose Rate: 15. mRem/hr
Net Air Sample Contact Rate: 1200. cpm/cf sample

Floor Contamination: 540. cpm/100cm2
Wall and Equipment Contamination: 54. cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):2.8E-1 Hours
Stay Time: 2 MPC hr (in mask):1.4E+1 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):5.5E+2 Hours

TABLE P6. a

RX BLDG ELEVATED RELEASE POINT CONC. (T = 00:00) (07:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Xe-133	2.59E-11 uCi/cc
Xe-135	2.53E-10 uCi/cc
TOTAL GAS SAMPLE	2.81E-10 uCi/cc
I-131	8.64E-12 uCi/cc
I-132	1.55E-11 uCi/cc
I-133	5.63E-11 uCi/cc
I-134	9.05E-12 uCi/cc
I-135	7.51E-11 uCi/cc
TOTAL CHARCOAL SAMPLE	1.65E-10 uCi/cc
Cs-137	4.21E-13 uCi/cc
Np-239	4.16E-12 uCi/cc
TOTAL FILTER SAMPLE	4.68E-12 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:4.1E+1
For 4" lead shield divide dose rate by:1.1E+3
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

TABLE P6. b

RX BLDG ELEVATED RELEASE POINT CONC. (T = 01:00) (08:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Xe-133	1.82E-11 uCi/cc
Xe-135	1.55E-10 uCi/cc
TOTAL GAS SAMPLE	1.76E-10 uCi/cc
I-131	7.93E-12 uCi/cc
I-132	1.62E-11 uCi/cc
I-133	5.27E-11 uCi/cc
I-134	9.38E-12 uCi/cc
I-135	7.30E-11 uCi/cc
TOTAL CHARCOAL SAMPLE	1.59E-10 uCi/cc
Cs-137	3.85E-13 uCi/cc
Np-239	3.76E-12 uCi/cc
TOTAL FILTER SAMPLE	4.33E-12 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:3.8E+1
For 4" lead shield divide dose rate by:9.9E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

TABLE P6. c

RX BLDG ELEVATED RELEASE POINT CONC. (T = 01:30) (08:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	5.58E-02 uCi/cc
Kr-87	9.70E-02 uCi/cc
Kr-88	1.54E-01 uCi/cc
Xe-133	4.16E-01 uCi/cc
Xe-133m	1.46E-02 uCi/cc
Xe-135	9.98E-02 uCi/cc
Xe-138	1.70E-01 uCi/cc
TOTAL GAS SAMPLE	1.02E+00 uCi/cc
Br-83	5.32E-05 uCi/cc
Br-84	6.08E-05 uCi/cc
I-131	5.61E-04 uCi/cc
I-132	7.27E-04 uCi/cc
I-133	1.11E-03 uCi/cc
I-134	9.85E-04 uCi/cc
I-135	9.60E-04 uCi/cc
TOTAL CHARCOAL SAMPLE	4.46E-03 uCi/cc
Rb-88	1.29E-04 uCi/cc
Cs-134	3.27E-05 uCi/cc
Cs-136	1.20E-05 uCi/cc
Cs-137	2.19E-05 uCi/cc
TOTAL FILTER SAMPLE	1.95E-04 uCi/cc

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TABLE P6. c

RX BLDG ELEVATED RELEASE POINT CONC. (T = 01:30) (08:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.1 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.1 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	0.8 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	< 0.1 mR/hr per cf

For 2" lead shield divide dose rate by: 2.3E+1
For 4" lead shield divide dose rate by: 3.7E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 3.2%

TABLE P6. d

RX BLDG ELEVATED RELEASE POINT CONC. (T = 01:45) (08:45)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.45E-01 uCi/cc
Kr-87	2.44E-01 uCi/cc
Kr-88	3.97E-01 uCi/cc
Xe-133	1.09E+00 uCi/cc
Xe-133m	3.83E-02 uCi/cc
Xe-135	2.62E-01 uCi/cc
Xe-138	3.58E-01 uCi/cc
TOTAL GAS SAMPLE	2.56E+00 uCi/cc
Br-83	8.24E-05 uCi/cc
Br-84	8.73E-05 uCi/cc
I-131	8.87E-04 uCi/cc
I-132	1.13E-03 uCi/cc
I-133	1.75E-03 uCi/cc
I-134	1.47E-03 uCi/cc
I-135	1.51E-03 uCi/cc
TOTAL CHARCOAL SAMPLE	6.91E-03 uCi/cc
Rb-88	2.58E-04 uCi/cc
Cs-134	7.10E-05 uCi/cc
Cs-136	2.61E-05 uCi/cc
Cs-137	4.75E-05 uCi/cc
TOTAL FILTER SAMPLE	4.03E-04 uCi/cc

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TABLE P6. d

RX BLDG ELEVATED RELEASE POINT CONC. (T = 01:45) (08:45)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.3 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.3 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	1.3 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	< 0.1 mR/hr per cf

For 2" lead shield divide dose rate by: 2.3E+1
For 4" lead shield divide dose rate by: 3.7E+2
Hydrogen Concentration: .1%
Oxygen Concentration: 2.9%

TABLE P6. e

RX BLDG ELEVATED RELEASE POINT CONC. (T = 02:00) (09:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.36E-01 uCi/cc
Kr-87	2.23E-01 uCi/cc
Kr-88	3.70E-01 uCi/cc
Xe-133	1.04E+00 uCi/cc
Xe-133m	3.63E-02 uCi/cc
Xe-135	2.48E-01 uCi/cc
Xe-138	2.74E-01 uCi/cc
TOTAL GAS SAMPLE	2.34E+00 uCi/cc
Br-83	4.19E-05 uCi/cc
Br-84	4.12E-05 uCi/cc
I-131	4.61E-04 uCi/cc
I-132	5.72E-04 uCi/cc
I-133	9.08E-04 uCi/cc
I-134	7.21E-04 uCi/cc
I-135	7.77E-04 uCi/cc
TOTAL CHARCOAL SAMPLE	3.52E-03 uCi/cc
Rb-88	1.92E-04 uCi/cc
Cs-134	5.43E-05 uCi/cc
Cs-136	2.00E-05 uCi/cc
Cs-137	3.64E-05 uCi/cc
TOTAL FILTER SAMPLE	3.03E-04 uCi/cc

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TABLE P6. e

RX BLDG ELEVATED RELEASE POINT CONC. (T = 02:00) (09:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	0.7 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	< 0.1 mR/hr per cf

For 2" lead shield divide dose rate by: 2.3E+1
For 4" lead shield divide dose rate by: 3.6E+2
Hydrogen Concentration: .1%
Oxygen Concentration: 2.8%

TABLE P6. f

RX BLDG ELEVATED RELEASE POINT CONC. (T = 02:15) (09:15)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.27E-01 uCi/cc
Kr-87	2.02E-01 uCi/cc
Kr-88	3.44E-01 uCi/cc
Xe-133	9.78E-01 uCi/cc
Xe-133m	3.42E-02 uCi/cc
Xe-135	2.33E-01 uCi/cc
Xe-138	2.09E-01 uCi/cc
TOTAL GAS SAMPLE	2.14E+00 uCi/cc
Br-83	2.16E-05 uCi/cc
Br-84	1.97E-05 uCi/cc
I-131	2.43E-04 uCi/cc
I-132	2.95E-04 uCi/cc
I-133	4.77E-04 uCi/cc
I-134	3.58E-04 uCi/cc
I-135	4.06E-04 uCi/cc
TOTAL CHARCOAL SAMPLE	1.82E-03 uCi/cc
Rb-88	1.47E-04 uCi/cc
Cs-134	4.19E-05 uCi/cc
Cs-136	1.54E-05 uCi/cc
Cs-137	2.81E-05 uCi/cc
TOTAL FILTER SAMPLE	2.33E-04 uCi/cc

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TABLE P6. f

RX BLDG ELEVATED RELEASE POINT CONC. (T = 02:15) (09:15)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (14. ml)	Dose Rate at 1 ft.:	0.2 mR/hr
PASS Sample (charcoal)	Dose Rate at 1 ft.:	0.3 mR/hr per cf
PASS Sample (filter)	Dose Rate at 1 ft.:	< 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .1%
Oxygen Concentration: 2.7%

TABLE P6. g

RX BLDG ELEVATED RELEASE POINT CONC. (T = 02:30) (09:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	4.63E-07 uCi/cc
Kr-87	7.19E-07 uCi/cc
Kr-88	1.25E-06 uCi/cc
Xe-133	3.61E-06 uCi/cc
Xe-133m	1.26E-07 uCi/cc
Xe-135	8.59E-07 uCi/cc
Xe-138	6.26E-07 uCi/cc
TOTAL GAS SAMPLE	7.70E-06 uCi/cc
Br-83	1.13E-10 uCi/cc
Br-84	9.59E-11 uCi/cc
I-131	1.30E-09 uCi/cc
I-132	1.54E-09 uCi/cc
I-133	2.54E-09 uCi/cc
I-134	1.81E-09 uCi/cc
I-135	2.15E-09 uCi/cc
TOTAL CHARCOAL SAMPLE	9.55E-09 uCi/cc
Rb-88	5.08E-10 uCi/cc
Cs-134	1.59E-10 uCi/cc
Cs-136	5.86E-11 uCi/cc
Cs-137	1.07E-10 uCi/cc
TOTAL FILTER SAMPLE	8.34E-10 uCi/cc

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TABLE P6. g

RX BLDG ELEVATED RELEASE POINT CONC. (T = 02:30) (09:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

TABLE P6. h

RX BLDG ELEVATED RELEASE POINT CONC. (T = 02:45) (09:45)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	5.17E-07 uCi/cc
Kr-87	7.82E-07 uCi/cc
Kr-88	1.39E-06 uCi/cc
Xe-133	4.08E-06 uCi/cc
Xe-133m	1.43E-07 uCi/cc
Xe-135	9.68E-07 uCi/cc
Xe-138	5.74E-07 uCi/cc
TOTAL GAS SAMPLE	8.51E-06 uCi/cc
Br-83	9.06E-11 uCi/cc
I-131	1.06E-09 uCi/cc
I-132	1.23E-09 uCi/cc
I-133	2.07E-09 uCi/cc
I-134	1.40E-09 uCi/cc
I-135	1.75E-09 uCi/cc
TOTAL CHARCOAL SAMPLE	7.67E-09 uCi/cc
Rb-88	5.00E-10 uCi/cc
Cs-134	1.56E-10 uCi/cc
Cs-136	5.72E-11 uCi/cc
Cs-137	1.04E-10 uCi/cc
TOTAL FILTER SAMPLE	8.19E-10 uCi/cc

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TABLE P6. h

RX BLDG ELEVATED RELEASE POINT CONC. (T = 02:45) (09:45)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

TABLE P6. i

RX BLDG ELEVATED RELEASE POINT CONC. (T = 03:00) (10:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	5.73E-07 uCi/cc
Kr-87	8.42E-07 uCi/cc
Kr-88	1.53E-06 uCi/cc
Xe-133	4.57E-06 uCi/cc
Xe-133m	1.60E-07 uCi/cc
Xe-135	1.08E-06 uCi/cc
Xe-138	5.20E-07 uCi/cc
TOTAL GAS SAMPLE	9.33E-06 uCi/cc
Br-83	7.17E-11 uCi/cc
I-131	8.56E-10 uCi/cc
I-132	9.74E-10 uCi/cc
I-133	1.67E-09 uCi/cc
I-134	1.07E-09 uCi/cc
I-135	1.40E-09 uCi/cc
TOTAL CHARCOAL SAMPLE	6.09E-09 uCi/cc
Rb-88	4.97E-10 uCi/cc
Cs-134	1.50E-10 uCi/cc
Cs-136	5.53E-11 uCi/cc
Cs-137	1.01E-10 uCi/cc
TOTAL FILTER SAMPLE	8.05E-10 uCi/cc

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TABLE P6. i

RX BLDG ELEVATED RELEASE POINT CONC. (T = 03:00) (10:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

TABLE P6. j

RX BLDG ELEVATED RELEASE POINT CONC. (T = 03:15) (10:15)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	6.29E-07 uCi/cc
Kr-87	8.99E-07 uCi/cc
Kr-88	1.66E-06 uCi/cc
Xe-133	5.07E-06 uCi/cc
Xe-133m	1.77E-07 uCi/cc
Xe-135	1.19E-06 uCi/cc
Xe-138	4.67E-07 uCi/cc
TOTAL GAS SAMPLE	1.02E-05 uCi/cc
Br-83	5.64E-11 uCi/cc
I-131	6.86E-10 uCi/cc
I-132	7.65E-10 uCi/cc
I-133	1.34E-09 uCi/cc
I-134	8.08E-10 uCi/cc
I-135	1.12E-09 uCi/cc
TOTAL CHARCOAL SAMPLE	4.81E-09 uCi/cc
Rb-88	4.99E-10 uCi/cc
Cs-134	1.44E-10 uCi/cc
Cs-136	5.28E-11 uCi/cc
Cs-137	9.63E-11 uCi/cc
TOTAL FILTER SAMPLE	7.93E-10 uCi/cc

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TABLE P6. j

RX BLDG ELEVATED RELEASE POINT CONC. (T = 03:15) (10:15)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

TABLE P6. k

RX BLDG ELEVATED RELEASE POINT CONC. (T = 03:30) (10:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	6.85E-07 uCi/cc
Kr-87	9.51E-07 uCi/cc
Kr-88	1.80E-06 uCi/cc
Xe-133	5.58E-06 uCi/cc
Xe-133m	1.95E-07 uCi/cc
Xe-135	1.31E-06 uCi/cc
Xe-138	4.16E-07 uCi/cc
TOTAL GAS SAMPLE	1.10E-05 uCi/cc
Br-83	4.41E-11 uCi/cc
I-131	5.48E-10 uCi/cc
I-132	5.98E-10 uCi/cc
I-133	1.07E-09 uCi/cc
I-134	6.09E-10 uCi/cc
I-135	8.84E-10 uCi/cc
TOTAL CHARCOAL SAMPLE	3.78E-09 uCi/cc
Rb-88	5.04E-10 uCi/cc
Cs-134	1.36E-10 uCi/cc
Cs-136	5.01E-11 uCi/cc
Cs-137	9.13E-11 uCi/cc
TOTAL FILTER SAMPLE	7.83E-10 uCi/cc

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TABLE P6. k

RX BLDG ELEVATED RELEASE POINT CONC. (T = 03:30) (10:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.5E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

TABLE P6. 1

RX BLDG ELEVATED RELEASE POINT CONC. (T = 03:45) (10:45)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	7.40E-07 uCi/cc
Kr-87	9.99E-07 uCi/cc
Kr-88	1.93E-06 uCi/cc
Xe-133	6.09E-06 uCi/cc
Xe-133m	2.13E-07 uCi/cc
Xe-135	1.42E-06 uCi/cc
Xe-138	3.67E-07 uCi/cc
TOTAL GAS SAMPLE	1.18E-05 uCi/cc
Br-83	3.44E-11 uCi/cc
I-131	4.37E-10 uCi/cc
I-132	4.67E-10 uCi/cc
I-133	8.48E-10 uCi/cc
I-134	4.59E-10 uCi/cc
I-135	7.00E-10 uCi/cc
TOTAL CHARCOAL SAMPLE	2.97E-09 uCi/cc
Rb-88	5.14E-10 uCi/cc
Cs-134	1.28E-10 uCi/cc
Cs-136	4.71E-11 uCi/cc
Cs-137	8.59E-11 uCi/cc
TOTAL FILTER SAMPLE	7.76E-10 uCi/cc

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TABLE P6. 1

RX BLDG ELEVATED RELEASE POINT CONC. (T = 03:45) (10:45)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.5E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

TABLE P6. m

RX BLDG ELEVATED RELEASE POINT CONC. (T = 04:00) (11:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	7.94E-07 uCi/cc
Kr-87	1.04E-06 uCi/cc
Kr-88	2.06E-06 uCi/cc
Xe-133	6.61E-06 uCi/cc
Xe-133m	2.30E-07 uCi/cc
Xe-135	1.53E-06 uCi/cc
Xe-138	3.22E-07 uCi/cc
TOTAL GAS SAMPLE	1.27E-05 uCi/cc
Br-83	2.69E-11 uCi/cc
I-131	3.49E-10 uCi/cc
I-132	3.64E-10 uCi/cc
I-133	6.76E-10 uCi/cc
I-134	3.46E-10 uCi/cc
I-135	5.55E-10 uCi/cc
TOTAL CHARCOAL SAMPLE	2.33E-09 uCi/cc
Rb-88	5.26E-10 uCi/cc
Cs-134	1.20E-10 uCi/cc
Cs-136	4.40E-11 uCi/cc
Cs-137	8.03E-11 uCi/cc
TOTAL FILTER SAMPLE	7.71E-10 uCi/cc

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TABLE P6. m

RX BLDG ELEVATED RELEASE POINT CONC. (T = 04:00) (11:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.5E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

TABLE P6. n

RX BLDG ELEVATED RELEASE POINT CONC. (T = 04:15) (11:15)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	8.46E-07 uCi/cc
Kr-87	1.08E-06 uCi/cc
Kr-88	2.18E-06 uCi/cc
Xe-133	7.12E-06 uCi/cc
Xe-133m	2.48E-07 uCi/cc
Xe-135	1.64E-06 uCi/cc
Xe-138	2.81E-07 uCi/cc
TOTAL GAS SAMPLE	1.35E-05 uCi/cc
Br-83	2.11E-11 uCi/cc
I-131	2.79E-10 uCi/cc
I-132	2.85E-10 uCi/cc
I-133	5.39E-10 uCi/cc
I-134	2.61E-10 uCi/cc
I-135	4.40E-10 uCi/cc
TOTAL CHARCOAL SAMPLE	1.84E-09 uCi/cc
Rb-88	5.40E-10 uCi/cc
Cs-134	1.11E-10 uCi/cc
Cs-136	4.09E-11 uCi/cc
Cs-137	7.47E-11 uCi/cc
TOTAL FILTER SAMPLE	7.68E-10 uCi/cc

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TABLE P6. n

RX BLDG ELEVATED RELEASE POINT CONC. (T = 04:15) (11:15)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.5E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

TABLE P6. o

RX BLDG ELEVATED RELEASE POINT CONC. (T = 04:30) (11:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	8.96E-07 uCi/cc
Kr-87	1.11E-06 uCi/cc
Kr-88	2.29E-06 uCi/cc
Xe-133	7.62E-06 uCi/cc
Xe-133m	2.65E-07 uCi/cc
Xe-135	1.75E-06 uCi/cc
Xe-138	2.43E-07 uCi/cc
TOTAL GAS SAMPLE	1.43E-05 uCi/cc
Br-83	1.66E-11 uCi/cc
I-131	2.24E-10 uCi/cc
I-132	2.24E-10 uCi/cc
I-133	4.32E-10 uCi/cc
I-134	1.98E-10 uCi/cc
I-135	3.51E-10 uCi/cc
TOTAL CHARCOAL SAMPLE	1.45E-09 uCi/cc
Rb-88	5.55E-10 uCi/cc
Cs-134	1.03E-10 uCi/cc
Cs-137	6.91E-11 uCi/cc
TOTAL FILTER SAMPLE	7.66E-10 uCi/cc

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TABLE P6. o

RX BLDG ELEVATED RELEASE POINT CONC. (T = 04:30) (11:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.5E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

TABLE P6. p

RX BLDG ELEVATED RELEASE POINT CONC. (T = 05:00) (12:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	9.87E-07 uCi/cc
Kr-87	1.16E-06 uCi/cc
Kr-88	2.49E-06 uCi/cc
Xe-133	8.58E-06 uCi/cc
Xe-133m	2.99E-07 uCi/cc
Xe-135	1.95E-06 uCi/cc
Xe-138	1.79E-07 uCi/cc
TOTAL GAS SAMPLE	1.57E-05 uCi/cc
Br-83	1.04E-11 uCi/cc
I-131	1.47E-10 uCi/cc
I-132	1.41E-10 uCi/cc
I-133	2.82E-10 uCi/cc
I-134	1.16E-10 uCi/cc
I-135	2.27E-10 uCi/cc
TOTAL CHARCOAL SAMPLE	9.27E-10 uCi/cc
Rb-88	5.85E-10 uCi/cc
Cs-134	8.73E-11 uCi/cc
Cs-137	5.85E-11 uCi/cc
TOTAL FILTER SAMPLE	7.64E-10 uCi/cc

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TABLE P6. p

RX BLDG ELEVATED RELEASE POINT CONC. (T = 05:00) (12:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.5E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

TABLE P6. q

RX BLDG ELEVATED RELEASE POINT CONC. (T = 05:30) (12:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.06E-06 uCi/cc
Kr-87	1.18E-06 uCi/cc
Kr-88	2.65E-06 uCi/cc
Xe-133	9.43E-06 uCi/cc
Xe-133m	3.28E-07 uCi/cc
Xe-135	2.13E-06 uCi/cc
TOTAL GAS SAMPLE	1.70E-05 uCi/cc
Br-83	6.79E-12 uCi/cc
I-131	9.95E-11 uCi/cc
I-132	9.14E-11 uCi/cc
I-133	1.90E-10 uCi/cc
I-134	7.02E-11 uCi/cc
I-135	1.51E-10 uCi/cc
TOTAL CHARCOAL SAMPLE	6.12E-10 uCi/cc
Rb-88	6.12E-10 uCi/cc
Cs-134	7.28E-11 uCi/cc
Cs-137	4.88E-11 uCi/cc
TOTAL FILTER SAMPLE	7.61E-10 uCi/cc

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TABLE P6. q

RX BLDG ELEVATED RELEASE POINT CONC. (T = 05:30) (12:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.5E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

TABLE P6. r

RX BLDG ELEVATED RELEASE POINT CONC. (T = 06:00) (13:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.11E-06 uCi/cc
Kr-87	1.16E-06 uCi/cc
Kr-88	2.74E-06 uCi/cc
Xe-133	1.01E-05 uCi/cc
Xe-133m	3.51E-07 uCi/cc
Xe-135	2.26E-06 uCi/cc
TOTAL GAS SAMPLE	1.79E-05 uCi/cc
Br-83	4.58E-12 uCi/cc
I-131	7.01E-11 uCi/cc
I-132	6.15E-11 uCi/cc
I-133	1.33E-10 uCi/cc
I-134	4.38E-11 uCi/cc
I-135	1.05E-10 uCi/cc
TOTAL CHARCOAL SAMPLE	4.20E-10 uCi/cc
Rb-88	6.24E-10 uCi/cc
Cs-134	6.01E-11 uCi/cc
Cs-137	4.02E-11 uCi/cc
TOTAL FILTER SAMPLE	7.47E-10 uCi/cc

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TABLE P6. r

RX BLDG ELEVATED RELEASE POINT CONC. (T = 06:00) (13:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

TABLE P6. s

RX BLDG ELEVATED RELEASE POINT CONC. (T = 06:30) (13:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.14E-06 uCi/cc
Kr-87	1.13E-06 uCi/cc
Kr-88	2.77E-06 uCi/cc
Xe-133	1.06E-05 uCi/cc
Xe-133m	3.67E-07 uCi/cc
Xe-135	2.35E-06 uCi/cc
TOTAL GAS SAMPLE	1.85E-05 uCi/cc
Br-83	3.20E-12 uCi/cc
I-131	5.11E-11 uCi/cc
I-132	4.30E-11 uCi/cc
I-133	9.69E-11 uCi/cc
I-134	2.85E-11 uCi/cc
I-135	7.55E-11 uCi/cc
TOTAL CHARCOAL SAMPLE	2.99E-10 uCi/cc
Rb-88	6.30E-10 uCi/cc
Cs-134	4.90E-11 uCi/cc
TOTAL FILTER SAMPLE	7.30E-10 uCi/cc

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TABLE P6. s

RX BLDG ELEVATED RELEASE POINT CONC. (T = 06:30) (13:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

TABLE P6. t

RX BLDG ELEVATED RELEASE POINT CONC. (T = 07:00) (14:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.14E-06 uCi/cc
Kr-87	1.07E-06 uCi/cc
Kr-88	2.74E-06 uCi/cc
Xe-133	1.09E-05 uCi/cc
Xe-133m	3.76E-07 uCi/cc
Xe-135	2.38E-06 uCi/cc
TOTAL GAS SAMPLE	1.87E-05 uCi/cc
Br-83	2.32E-12 uCi/cc
I-131	3.85E-11 uCi/cc
I-132	3.10E-11 uCi/cc
I-133	7.28E-11 uCi/cc
I-134	1.92E-11 uCi/cc
I-135	5.61E-11 uCi/cc
TOTAL CHARCOAL SAMPLE	2.20E-10 uCi/cc
Rb-88	6.24E-10 uCi/cc
Cs-134	3.97E-11 uCi/cc
TOTAL FILTER SAMPLE	7.05E-10 uCi/cc

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TABLE P6. t

RX BLDG ELEVATED RELEASE POINT CONC. (T = 07:00) (14:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

TABLE P6. u

RX BLDG ELEVATED RELEASE POINT CONC. (T = 07:30) (14:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.13E-06 uCi/cc
Kr-87	9.99E-07 uCi/cc
Kr-88	2.68E-06 uCi/cc
Xe-133	1.10E-05 uCi/cc
Xe-133m	3.80E-07 uCi/cc
Xe-135	2.39E-06 uCi/cc
TOTAL GAS SAMPLE	1.87E-05 uCi/cc
Br-83	1.74E-12 uCi/cc
I-131	3.02E-11 uCi/cc
I-132	2.33E-11 uCi/cc
I-133	5.67E-11 uCi/cc
I-134	1.34E-11 uCi/cc
I-135	4.33E-11 uCi/cc
TOTAL CHARCOAL SAMPLE	1.69E-10 uCi/cc
Rb-88	6.10E-10 uCi/cc
TOTAL FILTER SAMPLE	6.75E-10 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

TABLE P6. v

RX BLDG ELEVATED RELEASE POINT CONC. (T = 08:00) (15:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.12E-06 uCi/cc
Kr-87	9.31E-07 uCi/cc
Kr-88	2.61E-06 uCi/cc
Xe-133	1.11E-05 uCi/cc
Xe-133m	3.83E-07 uCi/cc
Xe-135	2.39E-06 uCi/cc
TOTAL GAS SAMPLE	1.86E-05 uCi/cc
Br-83	1.38E-12 uCi/cc
I-131	2.49E-11 uCi/cc
I-132	1.84E-11 uCi/cc
I-133	4.66E-11 uCi/cc
I-134	9.88E-12 uCi/cc
I-135	3.53E-11 uCi/cc
TOTAL CHARCOAL SAMPLE	1.37E-10 uCi/cc
Rb-88	5.94E-10 uCi/cc
TOTAL FILTER SAMPLE	6.47E-10 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

TABLE P7. a

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 00:00) (07:00)

The Radwaste Building cannot be sampled through the PASS system

Nuclide	Concentration
Xe-133	5.33E-14 uCi/cc
Xe-135	3.38E-13 uCi/cc
TOTAL GAS SAMPLE	3.92E-13 uCi/cc
I-131	1.60E-15 uCi/cc
I-132	2.08E-15 uCi/cc
I-133	1.01E-14 uCi/cc
I-134	8.41E-16 uCi/cc
I-135	1.24E-14 uCi/cc
TOTAL CHARCOAL SAMPLE	2.70E-14 uCi/cc
Cs-134	4.99E-17 uCi/cc
Cs-137	1.34E-16 uCi/cc
Np-239	7.02E-16 uCi/cc
TOTAL FILTER SAMPLE	9.22E-16 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:9.8E+1
For 4" lead shield divide dose rate by:3.1E+3
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):2.5E+6 Hours
Stay Time: 2 MPC hr (in mask):1.2E+8 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):4.9E+9 Hours

TABLE P7. b

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 01:00) (08:00)

The Radwaste Building cannot be sampled through the PASS system

Nuclide	Concentration
Xe-133	3.38E-14 uCi/cc
Xe-135	1.93E-13 uCi/cc
TOTAL GAS SAMPLE	2.28E-13 uCi/cc
I-131	6.42E-16 uCi/cc
I-132	8.24E-16 uCi/cc
I-133	4.03E-15 uCi/cc
I-134	3.17E-16 uCi/cc
I-135	4.95E-15 uCi/cc
TOTAL CHARCOAL SAMPLE	1.08E-14 uCi/cc
Cs-134	2.85E-17 uCi/cc
Cs-137	7.79E-17 uCi/cc
Np-239	4.08E-16 uCi/cc
TOTAL FILTER SAMPLE	5.21E-16 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:1.1E+2
For 4" lead shield divide dose rate by:3.3E+3
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):5.6E+6 Hours
Stay Time: 2 MPC hr (in mask):2.8E+8 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):9.9E+9 Hours

TABLE P7. c

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 01:30) (08:30)

The Radwaste Building cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	2.16E-11 uCi/cc
Kr-87	3.75E-11 uCi/cc
Kr-88	5.96E-11 uCi/cc
Xe-133	1.62E-10 uCi/cc
Xe-133m	5.65E-12 uCi/cc
Xe-135	5.22E-11 uCi/cc
Xe-138	6.57E-11 uCi/cc
TOTAL GAS SAMPLE	4.08E-10 uCi/cc
Br-83	2.01E-14 uCi/cc
Br-84	2.30E-14 uCi/cc
I-131	2.16E-13 uCi/cc
I-132	2.82E-13 uCi/cc
I-133	4.46E-13 uCi/cc
I-134	3.76E-13 uCi/cc
I-135	3.99E-13 uCi/cc
TOTAL CHARCOAL SAMPLE	1.76E-12 uCi/cc
Rb-88	1.04E-13 uCi/cc
Cs-134	1.23E-14 uCi/cc
Cs-137	8.30E-15 uCi/cc
TOTAL FILTER SAMPLE	1.30E-13 uCi/cc

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TABLE P7. c

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 01:30) (08:30)
(continued)

The Radwaste Building cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.8E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):8.2E+3 Hours
Stay Time: 2 MPC hr (in mask):4.1E+5 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):1.6E+7 Hours

TABLE P7. d

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 01:45) (08:45)

The Radwaste Building cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	3.85E-10 uCi/cc
Kr-87	6.52E-10 uCi/cc
Kr-88	1.06E-09 uCi/cc
Xe-133	2.91E-09 uCi/cc
Xe-133m	1.02E-10 uCi/cc
Xe-135	7.08E-10 uCi/cc
Xe-138	9.59E-10 uCi/cc
TOTAL GAS SAMPLE	6.83E-09 uCi/cc
Br-83	2.69E-13 uCi/cc
Br-84	2.85E-13 uCi/cc
I-131	2.89E-12 uCi/cc
I-132	3.67E-12 uCi/cc
I-133	5.72E-12 uCi/cc
I-134	4.80E-12 uCi/cc
I-135	4.93E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	2.26E-11 uCi/cc
Rb-88	7.49E-12 uCi/cc
TOTAL FILTER SAMPLE	7.92E-12 uCi/cc

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TABLE P7. d

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 01:45) (08:45)
(continued)

The Radwaste Building cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.7E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 0.2 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):5.2E+2 Hours
Stay Time: 2 MPC hr (in mask):2.6E+4 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):1.0E+6 Hours

TABLE P7. e

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 02:00) (09:00)

The Radwaste Building cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	6.76E-10 uCi/cc
Kr-87	1.11E-09 uCi/cc
Kr-88	1.85E-09 uCi/cc
Xe-133	5.16E-09 uCi/cc
Xe-133m	1.81E-10 uCi/cc
Xe-135	1.24E-09 uCi/cc
Xe-138	1.37E-09 uCi/cc
TOTAL GAS SAMPLE	1.17E-08 uCi/cc
Br-83	3.17E-13 uCi/cc
Br-84	3.12E-13 uCi/cc
I-131	3.48E-12 uCi/cc
I-132	4.32E-12 uCi/cc
I-133	6.87E-12 uCi/cc
I-134	5.45E-12 uCi/cc
I-135	5.88E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	2.66E-11 uCi/cc
Rb-88	2.25E-11 uCi/cc
TOTAL FILTER SAMPLE	2.32E-11 uCi/cc

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TABLE P7. e

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 02:00) (09:00)
(continued)

The Radwaste Building cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 0.3 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):3.3E+2 Hours
Stay Time: 2 MPC hr (in mask):1.6E+4 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):6.6E+5 Hours

TABLE P7. f

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 02:15) (09:15)

The Radwaste Building cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	8.96E-10 uCi/cc
Kr-87	1.43E-09 uCi/cc
Kr-88	2.43E-09 uCi/cc
Xe-133	6.91E-09 uCi/cc
Xe-133m	2.42E-10 uCi/cc
Xe-135	1.65E-09 uCi/cc
Xe-138	1.49E-09 uCi/cc
TOTAL GAS SAMPLE	1.52E-08 uCi/cc
Br-83	2.84E-13 uCi/cc
Br-84	2.59E-13 uCi/cc
I-131	3.19E-12 uCi/cc
I-132	3.87E-12 uCi/cc
I-133	6.27E-12 uCi/cc
I-134	4.71E-12 uCi/cc
I-135	5.34E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	2.39E-11 uCi/cc
Rb-88	4.01E-11 uCi/cc
TOTAL FILTER SAMPLE	4.09E-11 uCi/cc

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TABLE P7. f

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 02:15) (09:15)
(continued)

The Radwaste Building cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 0.4 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):2.7E+2 Hours
Stay Time: 2 MPC hr (in mask):1.4E+4 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):5.4E+5 Hours

TABLE P7. g

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 02:30) (09:30)

The Radwaste Building cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	8.66E-10 uCi/cc
Kr-87	1.35E-09 uCi/cc
Kr-88	2.33E-09 uCi/cc
Xe-133	6.76E-09 uCi/cc
Xe-133m	2.37E-10 uCi/cc
Xe-135	1.61E-09 uCi/cc
Xe-138	1.17E-09 uCi/cc
TOTAL GAS SAMPLE	1.44E-08 uCi/cc
Br-83	2.09E-13 uCi/cc
Br-84	1.77E-13 uCi/cc
I-131	2.39E-12 uCi/cc
I-132	2.84E-12 uCi/cc
I-133	4.69E-12 uCi/cc
I-134	3.34E-12 uCi/cc
I-135	3.98E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	1.76E-11 uCi/cc
Rb-88	5.51E-11 uCi/cc
TOTAL FILTER SAMPLE	5.58E-11 uCi/cc

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TABLE P7. g

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 02:30) (09:30)
(continued)

The Radwaste Building cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 0.4 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):3.0E+2 Hours
Stay Time: 2 MPC hr (in mask):1.5E+4 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):6.0E+5 Hours

TABLE P7. h

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 02:45) (09:45)

The Radwaste Building cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	7.23E-10 uCi/cc
Kr-87	1.09E-09 uCi/cc
Kr-88	1.94E-09 uCi/cc
Xe-133	5.70E-09 uCi/cc
Xe-133m	2.00E-10 uCi/cc
Xe-135	1.35E-09 uCi/cc
Xe-138	8.02E-10 uCi/cc
TOTAL GAS SAMPLE	1.19E-08 uCi/cc
Br-83	1.43E-13 uCi/cc
I-131	1.67E-12 uCi/cc
I-132	1.95E-12 uCi/cc
I-133	3.28E-12 uCi/cc
I-134	2.21E-12 uCi/cc
I-135	2.76E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	1.21E-11 uCi/cc
Rb-88	6.10E-11 uCi/cc
TOTAL FILTER SAMPLE	6.17E-11 uCi/cc

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TABLE P7. h

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 02:45) (09:45)
(continued)

The Radwaste Building cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 0.4 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):3.8E+2 Hours
Stay Time: 2 MPC hr (in mask):1.9E+4 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):7.5E+5 Hours

TABLE P7. i

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 03:00) (10:00)

The Radwaste Building cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	6.04E-10 uCi/cc
Kr-87	8.87E-10 uCi/cc
Kr-88	1.61E-09 uCi/cc
Xe-133	4.81E-09 uCi/cc
Xe-133m	1.68E-10 uCi/cc
Xe-135	1.13E-09 uCi/cc
Xe-138	5.48E-10 uCi/cc
TOTAL GAS SAMPLE	9.82E-09 uCi/cc
Br-83	9.83E-14 uCi/cc
I-131	1.17E-12 uCi/cc
I-132	1.34E-12 uCi/cc
I-133	2.29E-12 uCi/cc
I-134	1.46E-12 uCi/cc
I-135	1.92E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	8.36E-12 uCi/cc
Rb-88	6.12E-11 uCi/cc
TOTAL FILTER SAMPLE	6.18E-11 uCi/cc

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TABLE P7. i

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 03:00) (10:00)
(continued)

The Radwaste Building cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 0.4 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):4.7E+2 Hours
Stay Time: 2 MPC hr (in mask):2.4E+4 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):9.4E+5 Hours

TABLE P7. j

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 03:15) (10:15)

The Radwaste Building cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	5.04E-10 uCi/cc
Kr-87	7.20E-10 uCi/cc
Kr-88	1.33E-09 uCi/cc
Xe-133	4.06E-09 uCi/cc
Xe-133m	1.42E-10 uCi/cc
Xe-135	9.51E-10 uCi/cc
Xe-138	3.74E-10 uCi/cc
TOTAL GAS SAMPLE	8.14E-09 uCi/cc
Br-83	6.77E-14 uCi/cc
I-131	8.25E-13 uCi/cc
I-132	9.19E-13 uCi/cc
I-133	1.61E-12 uCi/cc
I-134	9.70E-13 uCi/cc
I-135	1.34E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	5.78E-12 uCi/cc
Rb-88	5.80E-11 uCi/cc
TOTAL FILTER SAMPLE	5.85E-11 uCi/cc

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TABLE P7. j

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 03:15) (10:15)
(continued)

The Radwaste Building cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.5E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 0.4 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):5.9E+2 Hours
Stay Time: 2 MPC hr (in mask):2.9E+4 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):1.2E+6 Hours

TABLE P7. k

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 03:30) (10:30)

The Radwaste Building cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	4.21E-10 uCi/cc
Kr-87	5.84E-10 uCi/cc
Kr-88	1.11E-09 uCi/cc
Xe-133	3.43E-09 uCi/cc
Xe-133m	1.20E-10 uCi/cc
Xe-135	7.98E-10 uCi/cc
Xe-138	2.55E-10 uCi/cc
TOTAL GAS SAMPLE	6.75E-09 uCi/cc
Br-83	4.68E-14 uCi/cc
I-131	5.82E-13 uCi/cc
I-132	6.35E-13 uCi/cc
I-133	1.13E-12 uCi/cc
I-134	6.47E-13 uCi/cc
I-135	9.40E-13 uCi/cc
TOTAL CHARCOAL SAMPLE	4.01E-12 uCi/cc
Rb-88	5.30E-11 uCi/cc
TOTAL FILTER SAMPLE	5.35E-11 uCi/cc

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TABLE P7. k

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 03:30) (10:30)
(continued)

The Radwaste Building cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.5E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 0.3 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):7.3E+2 Hours
Stay Time: 2 MPC hr (in mask):3.6E+4 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):1.5E+6 Hours

TABLE P7. 1

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 03:45) (10:45)

The Radwaste Building cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	3.51E-10 uCi/cc
Kr-87	4.74E-10 uCi/cc
Kr-88	9.17E-10 uCi/cc
Xe-133	2.89E-09 uCi/cc
Xe-133m	1.01E-10 uCi/cc
Xe-135	6.70E-10 uCi/cc
Xe-138	1.74E-10 uCi/cc
TOTAL GAS SAMPLE	5.61E-09 uCi/cc
Br-83	3.24E-14 uCi/cc
I-131	4.12E-13 uCi/cc
I-132	4.40E-13 uCi/cc
I-133	8.00E-13 uCi/cc
I-134	4.32E-13 uCi/cc
I-135	6.60E-13 uCi/cc
TOTAL CHARCOAL SAMPLE	2.80E-12 uCi/cc
Rb-88	4.73E-11 uCi/cc
TOTAL FILTER SAMPLE	4.78E-11 uCi/cc

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TABLE P7. 1

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 03:45) (10:45)
(continued)

The Radwaste Building cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.5E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 0.3 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):9.0E+2 Hours
Stay Time: 2 MPC hr (in mask):4.5E+4 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):1.8E+6 Hours

TABLE P7. m

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 04:00) (11:00)

The Radwaste Building cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	2.93E-10 uCi/cc
Kr-87	3.85E-10 uCi/cc
Kr-88	7.61E-10 uCi/cc
Xe-133	2.44E-09 uCi/cc
Xe-133m	8.52E-11 uCi/cc
Xe-135	5.63E-10 uCi/cc
Xe-138	1.19E-10 uCi/cc
TOTAL GAS SAMPLE	4.68E-09 uCi/cc
Br-83	2.26E-14 uCi/cc
I-131	2.93E-13 uCi/cc
I-132	3.06E-13 uCi/cc
I-133	5.67E-13 uCi/cc
I-134	2.90E-13 uCi/cc
I-135	4.66E-13 uCi/cc
TOTAL CHARCOAL SAMPLE	1.96E-12 uCi/cc
Rb-88	4.16E-11 uCi/cc
TOTAL FILTER SAMPLE	4.20E-11 uCi/cc

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TABLE P7. m

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 04:00) (11:00)
(continued)

The Radwaste Building cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.5E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 0.2 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.1E+3 Hours
Stay Time: 2 MPC hr (in mask):5.5E+4 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):2.2E+6 Hours

TABLE P7. n

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 04:15) (11:15)

The Radwaste Building cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	2.45E-10 uCi/cc
Kr-87	3.13E-10 uCi/cc
Kr-88	6.31E-10 uCi/cc
Xe-133	2.06E-09 uCi/cc
Xe-133m	7.19E-11 uCi/cc
Xe-135	4.73E-10 uCi/cc
Xe-138	8.12E-11 uCi/cc
TOTAL GAS SAMPLE	3.90E-09 uCi/cc
Br-83	1.58E-14 uCi/cc
I-131	2.09E-13 uCi/cc
I-132	2.13E-13 uCi/cc
I-133	4.04E-13 uCi/cc
I-134	1.95E-13 uCi/cc
I-135	3.30E-13 uCi/cc
TOTAL CHARCOAL SAMPLE	1.37E-12 uCi/cc
Rb-88	3.61E-11 uCi/cc
TOTAL FILTER SAMPLE	3.64E-11 uCi/cc

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TABLE P7. n

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 04:15) (11:15)
(continued)

The Radwaste Building cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.5E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 0.2 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.3E+3 Hours
Stay Time: 2 MPC hr (in mask):6.7E+4 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):2.7E+6 Hours

TABLE P7. o

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 04:30) (11:30)

The Radwaste Building cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	2.05E-10 uCi/cc
Kr-87	2.54E-10 uCi/cc
Kr-88	5.24E-10 uCi/cc
Xe-133	1.74E-09 uCi/cc
Xe-133m	6.06E-11 uCi/cc
Xe-135	3.97E-10 uCi/cc
Xe-138	5.55E-11 uCi/cc
TOTAL GAS SAMPLE	3.25E-09 uCi/cc
Br-83	1.11E-14 uCi/cc
I-131	1.50E-13 uCi/cc
I-132	1.50E-13 uCi/cc
I-133	2.89E-13 uCi/cc
I-134	1.32E-13 uCi/cc
I-135	2.35E-13 uCi/cc
TOTAL CHARCOAL SAMPLE	9.71E-13 uCi/cc
Rb-88	3.10E-11 uCi/cc
TOTAL FILTER SAMPLE	3.13E-11 uCi/cc

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TABLE P7. o

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 04:30) (11:30)
(continued)

The Radwaste Building cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.5E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 0.2 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.6E+3 Hours
Stay Time: 2 MPC hr (in mask):8.2E+4 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):3.3E+6 Hours

TABLE P7. p

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 05:00) (12:00)

The Radwaste Building cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	1.43E-10 uCi/cc
Kr-87	1.67E-10 uCi/cc
Kr-88	3.61E-10 uCi/cc
Xe-133	1.24E-09 uCi/cc
Xe-133m	4.32E-11 uCi/cc
Xe-135	2.80E-10 uCi/cc
Xe-138	2.59E-11 uCi/cc
TOTAL GAS SAMPLE	2.27E-09 uCi/cc
Br-83	5.55E-15 uCi/cc
I-131	7.81E-14 uCi/cc
I-132	7.48E-14 uCi/cc
I-133	1.50E-13 uCi/cc
I-134	6.16E-14 uCi/cc
I-135	1.21E-13 uCi/cc
TOTAL CHARCOAL SAMPLE	4.93E-13 uCi/cc
Rb-88	2.25E-11 uCi/cc
TOTAL FILTER SAMPLE	2.27E-11 uCi/cc

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TABLE P7. p

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 05:00) (12:00)
(continued)

The Radwaste Building cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.5E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):2.4E+3 Hours
Stay Time: 2 MPC hr (in mask):1.2E+5 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):4.9E+6 Hours

TABLE P7. q

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 05:30) (12:30)

The Radwaste Building cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	9.98E-11 uCi/cc
Kr-87	1.11E-10 uCi/cc
Kr-88	2.49E-10 uCi/cc
Xe-133	8.86E-10 uCi/cc
Xe-133m	3.08E-11 uCi/cc
Xe-135	1.98E-10 uCi/cc
TOTAL GAS SAMPLE	1.60E-09 uCi/cc
Br-83	2.85E-15 uCi/cc
I-131	4.18E-14 uCi/cc
I-132	3.84E-14 uCi/cc
I-133	8.01E-14 uCi/cc
I-134	2.95E-14 uCi/cc
I-135	6.38E-14 uCi/cc
TOTAL CHARCOAL SAMPLE	2.58E-13 uCi/cc
Rb-88	1.60E-11 uCi/cc
TOTAL FILTER SAMPLE	1.62E-11 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.5E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):3.6E+3 Hours
Stay Time: 2 MPC hr (in mask):1.8E+5 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):7.2E+6 Hours

TABLE P7. r

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 06:00) (13:00)

The Radwaste Building cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	6.99E-11 uCi/cc
Kr-87	7.29E-11 uCi/cc
Kr-88	1.72E-10 uCi/cc
Xe-133	6.35E-10 uCi/cc
Xe-133m	2.21E-11 uCi/cc
Xe-135	1.40E-10 uCi/cc
TOTAL GAS SAMPLE	1.12E-09 uCi/cc
Br-83	1.51E-15 uCi/cc
I-131	2.32E-14 uCi/cc
I-132	2.04E-14 uCi/cc
I-133	4.43E-14 uCi/cc
I-134	1.45E-14 uCi/cc
I-135	3.49E-14 uCi/cc
TOTAL CHARCOAL SAMPLE	1.39E-13 uCi/cc
Rb-88	1.11E-11 uCi/cc
TOTAL FILTER SAMPLE	1.13E-11 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.5E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):5.3E+3 Hours
Stay Time: 2 MPC hr (in mask):2.6E+5 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):1.1E+7 Hours

TABLE P7. s

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 06:30) (13:30)

The Radwaste Building cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	4.90E-11 uCi/cc
Kr-87	4.83E-11 uCi/cc
Kr-88	1.19E-10 uCi/cc
Xe-133	4.55E-10 uCi/cc
Xe-133m	1.58E-11 uCi/cc
Xe-135	9.97E-11 uCi/cc
TOTAL GAS SAMPLE	7.94E-10 uCi/cc
Br-83	8.42E-16 uCi/cc
I-131	1.35E-14 uCi/cc
I-132	1.13E-14 uCi/cc
I-133	2.56E-14 uCi/cc
I-134	7.48E-15 uCi/cc
I-135	2.00E-14 uCi/cc
TOTAL CHARCOAL SAMPLE	7.88E-14 uCi/cc
Rb-88	7.83E-12 uCi/cc
TOTAL FILTER SAMPLE	7.97E-12 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):7.6E+3 Hours
Stay Time: 2 MPC hr (in mask):3.8E+5 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):1.5E+7 Hours

TABLE P7. t

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 07:00) (14:00)

The Radwaste Building cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	3.45E-11 uCi/cc
Kr-87	3.21E-11 uCi/cc
Kr-88	8.27E-11 uCi/cc
Xe-133	3.27E-10 uCi/cc
Xe-133m	1.13E-11 uCi/cc
Xe-135	7.10E-11 uCi/cc
TOTAL GAS SAMPLE	5.63E-10 uCi/cc
Br-83	4.92E-16 uCi/cc
I-131	8.20E-15 uCi/cc
I-132	6.61E-15 uCi/cc
I-133	1.56E-14 uCi/cc
I-134	4.07E-15 uCi/cc
I-135	1.20E-14 uCi/cc
TOTAL CHARCOAL SAMPLE	4.71E-14 uCi/cc
Rb-88	5.51E-12 uCi/cc
TOTAL FILTER SAMPLE	5.62E-12 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.1E+4 Hours
Stay Time: 2 MPC hr (in mask):5.5E+5 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):2.2E+7 Hours

TABLE P7. u

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 07:30) (14:30)

The Radwaste Building cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	2.44E-11 uCi/cc
Kr-87	2.15E-11 uCi/cc
Kr-88	5.77E-11 uCi/cc
Xe-133	2.36E-10 uCi/cc
Xe-133m	8.18E-12 uCi/cc
Xe-135	5.07E-11 uCi/cc
TOTAL GAS SAMPLE	4.02E-10 uCi/cc
Br-83	3.05E-16 uCi/cc
I-131	5.30E-15 uCi/cc
I-132	4.09E-15 uCi/cc
I-133	1.00E-14 uCi/cc
I-134	2.35E-15 uCi/cc
I-135	7.71E-15 uCi/cc
TOTAL CHARCOAL SAMPLE	2.98E-14 uCi/cc
Rb-88	3.87E-12 uCi/cc
TOTAL FILTER SAMPLE	3.96E-12 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.6E+4 Hours
Stay Time: 2 MPC hr (in mask):7.9E+5 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):3.2E+7 Hours

TABLE P7. v

RADWASTE BLDG/RADWASTE BLDG EXHAUST (T = 08:00) (15:00)

The Radwaste Building cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	1.73E-11 uCi/cc
Kr-87	1.44E-11 uCi/cc
Kr-88	4.05E-11 uCi/cc
Xe-133	1.72E-10 uCi/cc
Xe-133m	5.93E-12 uCi/cc
Xe-135	3.65E-11 uCi/cc
TOTAL GAS SAMPLE	2.88E-10 uCi/cc
I-131	3.65E-15 uCi/cc
I-132	2.70E-15 uCi/cc
I-133	6.91E-15 uCi/cc
I-134	1.44E-15 uCi/cc
I-135	5.27E-15 uCi/cc
TOTAL CHARCOAL SAMPLE	2.02E-14 uCi/cc
Rb-88	2.72E-12 uCi/cc
TOTAL FILTER SAMPLE	2.80E-12 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):2.2E+4 Hours
Stay Time: 2 MPC hr (in mask):1.1E+6 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):4.5E+7 Hours

TABLE P8. a

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 00:00) (07:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	4.83E-13 uCi/cc
Kr-87	5.80E-13 uCi/cc
Kr-88	9.05E-13 uCi/cc
Xe-133	4.44E-12 uCi/cc
Xe-135	2.26E-12 uCi/cc
Xe-138	5.26E-13 uCi/cc
TOTAL GAS SAMPLE	9.36E-12 uCi/cc
I-131	1.97E-13 uCi/cc
I-132	4.02E-13 uCi/cc
I-133	1.30E-12 uCi/cc
I-134	2.56E-13 uCi/cc
I-135	1.80E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	3.96E-12 uCi/cc
Rb-88	1.44E-15 uCi/cc
Cs-134	3.60E-15 uCi/cc
Cs-137	9.58E-15 uCi/cc
Np-239	1.07E-14 uCi/cc
TOTAL FILTER SAMPLE	2.61E-14 uCi/cc

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TABLE P8. a

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 00:00) (07:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:3.0E+1
For 4" lead shield divide dose rate by:6.1E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):2.2E+4 Hours
Stay Time: 2 MPC hr (in mask):1.1E+6 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):4.4E+7 Hours

TABLE P8. b

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 01:00) (08:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	5.50E-13 uCi/cc
Kr-87	5.64E-13 uCi/cc
Kr-88	1.02E-12 uCi/cc
Xe-133	4.54E-12 uCi/cc
Xe-133m	1.21E-13 uCi/cc
Xe-135	1.18E-12 uCi/cc
Xe-138	1.19E-13 uCi/cc
TOTAL GAS SAMPLE	8.13E-12 uCi/cc
I-131	1.97E-13 uCi/cc
I-132	4.32E-13 uCi/cc
I-133	1.32E-12 uCi/cc
I-134	2.64E-13 uCi/cc
I-135	1.87E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	4.09E-12 uCi/cc
Cs-134	3.29E-15 uCi/cc
Cs-136	1.29E-15 uCi/cc
Cs-137	8.78E-15 uCi/cc
Np-239	9.63E-15 uCi/cc
TOTAL FILTER SAMPLE	2.34E-14 uCi/cc

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TABLE P8. b

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 01:00) (08:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.9E+1
For 4" lead shield divide dose rate by:5.9E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):2.2E+4 Hours
Stay Time: 2 MPC hr (in mask):1.1E+6 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):4.4E+7 Hours

TABLE P8. c

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 01:30) (08:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	5.20E-10 uCi/cc
Kr-87	9.03E-10 uCi/cc
Kr-88	1.44E-09 uCi/cc
Xe-133	3.89E-09 uCi/cc
Xe-133m	1.36E-10 uCi/cc
Xe-135	1.02E-09 uCi/cc
Xe-138	1.58E-09 uCi/cc
TOTAL GAS SAMPLE	9.57E-09 uCi/cc
Br-83	4.85E-13 uCi/cc
Br-84	5.53E-13 uCi/cc
I-131	5.30E-12 uCi/cc
I-132	7.05E-12 uCi/cc
I-133	1.16E-11 uCi/cc
I-134	9.18E-12 uCi/cc
I-135	1.08E-11 uCi/cc
TOTAL CHARCOAL SAMPLE	4.49E-11 uCi/cc
Rb-88	2.27E-12 uCi/cc
Cs-134	2.99E-13 uCi/cc
Cs-137	2.07E-13 uCi/cc
TOTAL FILTER SAMPLE	2.90E-12 uCi/cc

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TABLE P8. c

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 01:30) (08:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.7E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 0.3 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):3.4E+2 Hours
Stay Time: 2 MPC hr (in mask):1.7E+4 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):6.8E+5 Hours

TABLE P8. d

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 01:45) (08:45)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	6.88E-09 uCi/cc
Kr-87	1.16E-08 uCi/cc
Kr-88	1.89E-08 uCi/cc
Xe-133	5.20E-08 uCi/cc
Xe-133m	1.82E-09 uCi/cc
Xe-135	1.25E-08 uCi/cc
Xe-138	1.71E-08 uCi/cc
TOTAL GAS SAMPLE	1.22E-07 uCi/cc
Br-83	4.36E-12 uCi/cc
Br-84	4.62E-12 uCi/cc
I-131	4.71E-11 uCi/cc
I-132	5.99E-11 uCi/cc
I-133	9.41E-11 uCi/cc
I-134	7.80E-11 uCi/cc
I-135	8.16E-11 uCi/cc
TOTAL CHARCOAL SAMPLE	3.70E-10 uCi/cc
Rb-88	1.13E-10 uCi/cc
TOTAL FILTER SAMPLE	1.20E-10 uCi/cc

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TABLE P8. d

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 01:45) (08:45)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.7E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: 0.1 mRem/hr
Net Air Sample Contact Rate: 2.8 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):3.0E+1 Hours
Stay Time: 2 MPC hr (in mask):1.5E+3 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):5.9E+4 Hours

TABLE P8. e

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 02:00) (09:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	9.29E-09 uCi/cc
Kr-87	1.53E-08 uCi/cc
Kr-88	2.54E-08 uCi/cc
Xe-133	7.09E-08 uCi/cc
Xe-133m	2.49E-09 uCi/cc
Xe-135	1.69E-08 uCi/cc
Xe-138	1.88E-08 uCi/cc
TOTAL GAS SAMPLE	1.60E-07 uCi/cc
Br-83	3.48E-12 uCi/cc
Br-84	3.42E-12 uCi/cc
I-131	3.84E-11 uCi/cc
I-132	4.78E-11 uCi/cc
I-133	7.67E-11 uCi/cc
I-134	6.00E-11 uCi/cc
I-135	6.63E-11 uCi/cc
TOTAL CHARCOAL SAMPLE	2.96E-10 uCi/cc
Rb-88	2.29E-10 uCi/cc
TOTAL FILTER SAMPLE	2.37E-10 uCi/cc

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TABLE P8. e

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 02:00) (09:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: 0.1 mRem/hr
Net Air Sample Contact Rate: 3.0 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):2.5E+1 Hours
Stay Time: 2 MPC hr (in mask):1.2E+3 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):4.9E+4 Hours

TABLE P8. f

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 02:15) (09:15)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	9.90E-09 uCi/cc
Kr-87	1.58E-08 uCi/cc
Kr-88	2.69E-08 uCi/cc
Xe-133	7.64E-08 uCi/cc
Xe-133m	2.68E-09 uCi/cc
Xe-135	1.82E-08 uCi/cc
Xe-138	1.64E-08 uCi/cc
TOTAL GAS SAMPLE	1.67E-07 uCi/cc
Br-83	2.16E-12 uCi/cc
Br-84	1.97E-12 uCi/cc
I-131	2.44E-11 uCi/cc
I-132	2.98E-11 uCi/cc
I-133	4.90E-11 uCi/cc
I-134	3.60E-11 uCi/cc
I-135	4.25E-11 uCi/cc
TOTAL CHARCOAL SAMPLE	1.86E-10 uCi/cc
Rb-88	2.87E-10 uCi/cc
TOTAL FILTER SAMPLE	2.94E-10 uCi/cc

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TABLE P8. f

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 02:15) (09:15)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 2.7 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):2.5E+1 Hours
Stay Time: 2 MPC hr (in mask):1.3E+3 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):5.1E+4 Hours

TABLE P8. g

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 02:30) (09:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	5.78E-09 uCi/cc
Kr-87	8.97E-09 uCi/cc
Kr-88	1.56E-08 uCi/cc
Xe-133	4.51E-08 uCi/cc
Xe-133m	1.58E-09 uCi/cc
Xe-135	1.07E-08 uCi/cc
Xe-138	7.80E-09 uCi/cc
TOTAL GAS SAMPLE	9.61E-08 uCi/cc
Br-83	8.32E-13 uCi/cc
I-131	9.70E-12 uCi/cc
I-132	1.17E-11 uCi/cc
I-133	2.00E-11 uCi/cc
I-134	1.34E-11 uCi/cc
I-135	1.77E-11 uCi/cc
TOTAL CHARCOAL SAMPLE	7.41E-11 uCi/cc
Rb-88	2.60E-10 uCi/cc
TOTAL FILTER SAMPLE	2.65E-10 uCi/cc

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TABLE P8. g

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 02:30) (09:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 1.9 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):4.6E+1 Hours
Stay Time: 2 MPC hr (in mask):2.3E+3 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):9.3E+4 Hours

TABLE P8. h

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 02:45) (09:45)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	2.43E-09 uCi/cc
Kr-87	3.66E-09 uCi/cc
Kr-88	6.50E-09 uCi/cc
Xe-133	1.91E-08 uCi/cc
Xe-133m	6.69E-10 uCi/cc
Xe-135	4.51E-09 uCi/cc
Xe-138	2.68E-09 uCi/cc
TOTAL GAS SAMPLE	3.98E-08 uCi/cc
Br-83	2.61E-13 uCi/cc
I-131	3.24E-12 uCi/cc
I-132	3.92E-12 uCi/cc
I-133	7.34E-12 uCi/cc
I-134	4.17E-12 uCi/cc
I-135	6.93E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	2.61E-11 uCi/cc
Rb-88	1.55E-10 uCi/cc
TOTAL FILTER SAMPLE	1.57E-10 uCi/cc

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TABLE P8. h

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 02:45) (09:45)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 1.0 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.2E+2 Hours
Stay Time: 2 MPC hr (in mask):5.8E+3 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):2.3E+5 Hours

TABLE P8. i

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 03:00) (10:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.02E-09 uCi/cc
Kr-87	1.49E-09 uCi/cc
Kr-88	2.71E-09 uCi/cc
Xe-133	8.12E-09 uCi/cc
Xe-133m	2.84E-10 uCi/cc
Xe-135	1.91E-09 uCi/cc
Xe-138	9.17E-10 uCi/cc
TOTAL GAS SAMPLE	1.66E-08 uCi/cc
I-131	1.29E-12 uCi/cc
I-132	1.63E-12 uCi/cc
I-133	3.55E-12 uCi/cc
I-134	1.52E-12 uCi/cc
I-135	3.72E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	1.19E-11 uCi/cc
Rb-88	7.95E-11 uCi/cc
TOTAL FILTER SAMPLE	8.06E-11 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 0.5 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):2.8E+2 Hours
Stay Time: 2 MPC hr (in mask):1.4E+4 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):5.7E+5 Hours

TABLE P8. j

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 03:15) (10:15)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	4.28E-10 uCi/cc
Kr-87	6.11E-10 uCi/cc
Kr-88	1.13E-09 uCi/cc
Xe-133	3.45E-09 uCi/cc
Xe-133m	1.21E-10 uCi/cc
Xe-135	8.07E-10 uCi/cc
Xe-138	3.15E-10 uCi/cc
TOTAL GAS SAMPLE	6.91E-09 uCi/cc
I-131	6.91E-13 uCi/cc
I-132	9.23E-13 uCi/cc
I-133	2.38E-12 uCi/cc
I-134	7.27E-13 uCi/cc
I-135	2.74E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	7.53E-12 uCi/cc
Rb-88	3.79E-11 uCi/cc
TOTAL FILTER SAMPLE	3.86E-11 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 0.3 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):6.8E+2 Hours
Stay Time: 2 MPC hr (in mask):3.4E+4 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):1.4E+6 Hours

TABLE P8. k

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 03:30) (10:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.81E-10 uCi/cc
Kr-87	2.51E-10 uCi/cc
Kr-88	4.75E-10 uCi/cc
Xe-133	1.48E-09 uCi/cc
Xe-133m	5.15E-11 uCi/cc
Xe-135	3.44E-10 uCi/cc
Xe-138	1.08E-10 uCi/cc
TOTAL GAS SAMPLE	2.90E-09 uCi/cc
I-131	4.88E-13 uCi/cc
I-132	6.85E-13 uCi/cc
I-133	1.99E-12 uCi/cc
I-134	4.61E-13 uCi/cc
I-135	2.41E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	6.08E-12 uCi/cc
Rb-88	1.74E-11 uCi/cc
TOTAL FILTER SAMPLE	1.80E-11 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.5E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.6E+3 Hours
Stay Time: 2 MPC hr (in mask):7.8E+4 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):3.1E+6 Hours

TABLE P8. 1

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 03:45) (10:45)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	7.74E-11 uCi/cc
Kr-87	1.04E-10 uCi/cc
Kr-88	2.02E-10 uCi/cc
Xe-133	6.39E-10 uCi/cc
Xe-133m	2.23E-11 uCi/cc
Xe-135	1.49E-10 uCi/cc
Xe-138.	3.78E-11 uCi/cc
TOTAL GAS SAMPLE	1.24E-09 uCi/cc
I-131	4.08E-13 uCi/cc
I-132	5.87E-13 uCi/cc
I-133	1.85E-12 uCi/cc
I-134	3.51E-13 uCi/cc
I-135	2.29E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	5.51E-12 uCi/cc
Rb-88	7.91E-12 uCi/cc
TOTAL FILTER SAMPLE	8.44E-12 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.2E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):3.3E+3 Hours
Stay Time: 2 MPC hr (in mask):1.6E+5 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):6.6E+6 Hours

TABLE P8. m

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 04:00) (11:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	3.41E-11 uCi/cc
Kr-87	4.44E-11 uCi/cc
Kr-88	8.80E-11 uCi/cc
Xe-133	2.84E-10 uCi/cc
Xe-133m	9.89E-12 uCi/cc
Xe-135	6.65E-11 uCi/cc
Xe-138	1.35E-11 uCi/cc
TOTAL GAS SAMPLE	5.44E-10 uCi/cc
I-131	3.69E-13 uCi/cc
I-132	5.35E-13 uCi/cc
I-133	1.78E-12 uCi/cc
I-134	2.91E-13 uCi/cc
I-135	2.23E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	5.23E-12 uCi/cc
Rb-88	3.65E-12 uCi/cc
Cs-134	2.19E-13 uCi/cc
TOTAL FILTER SAMPLE	4.13E-12 uCi/cc

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TABLE P8. m

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 04:00) (11:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):6.0E+3 Hours
Stay Time: 2 MPC hr (in mask):3.0E+5 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):1.2E+7 Hours

TABLE P8. n

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 04:15) (11:15)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	1.59E-11 uCi/cc
Kr-87	2.01E-11 uCi/cc
Kr-88	4.08E-11 uCi/cc
Xe-133	1.35E-10 uCi/cc
Xe-133m	4.67E-12 uCi/cc
Xe-135	3.21E-11 uCi/cc
Xe-138	5.10E-12 uCi/cc
TOTAL GAS SAMPLE	2.55E-10 uCi/cc
I-131	3.45E-13 uCi/cc
I-132	5.01E-13 uCi/cc
I-133	1.74E-12 uCi/cc
I-134	2.52E-13 uCi/cc
I-135	2.20E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	5.06E-12 uCi/cc
Rb-88	1.77E-12 uCi/cc
Cs-134	2.03E-13 uCi/cc
Cs-137	1.44E-13 uCi/cc
TOTAL FILTER SAMPLE	2.22E-12 uCi/cc

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TABLE P8. n

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 04:15) (11:15)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.7E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):9.1E+3 Hours
Stay Time: 2 MPC hr (in mask):4.6E+5 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):1.8E+7 Hours

TABLE P8. o

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 04:30) (11:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	8.40E-12 uCi/cc
Kr-87	1.02E-11 uCi/cc
Kr-88	2.12E-11 uCi/cc
Xe-133	7.20E-11 uCi/cc
Xe-133m	2.48E-12 uCi/cc
Xe-135	1.77E-11 uCi/cc
Xe-138	2.16E-12 uCi/cc
TOTAL GAS SAMPLE	1.35E-10 uCi/cc
I-131	3.28E-13 uCi/cc
I-132	4.76E-13 uCi/cc
I-133	1.72E-12 uCi/cc
I-134	2.23E-13 uCi/cc
I-135	2.18E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	4.94E-12 uCi/cc
Rb-88	9.49E-13 uCi/cc
Cs-134	1.89E-13 uCi/cc
Cs-136	6.94E-14 uCi/cc
Cs-137	1.34E-13 uCi/cc
TOTAL FILTER SAMPLE	1.37E-12 uCi/cc

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TABLE P8. o

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 04:30) (11:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.8E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.2E+4 Hours
Stay Time: 2 MPC hr (in mask):5.8E+5 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):2.3E+7 Hours

TABLE P8. p

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 05:00) (12:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	4.02E-12 uCi/cc
Kr-87	4.53E-12 uCi/cc
Kr-88	9.87E-12 uCi/cc
Xe-133	3.55E-11 uCi/cc
Xe-133m	1.20E-12 uCi/cc
Xe-135	9.52E-12 uCi/cc
Xe-138	6.66E-13 uCi/cc
TOTAL GAS SAMPLE	6.57E-11 uCi/cc
I-131	3.09E-13 uCi/cc
I-132	4.41E-13 uCi/cc
I-133	1.71E-12 uCi/cc
I-134	1.82E-13 uCi/cc
I-135	2.16E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	4.81E-12 uCi/cc
Rb-88	4.39E-13 uCi/cc
Cs-134	1.62E-13 uCi/cc
Cs-136	5.95E-14 uCi/cc
Cs-137	1.17E-13 uCi/cc
TOTAL FILTER SAMPLE	8.03E-13 uCi/cc

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TABLE P8. p

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 05:00) (12:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:4.1E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.4E+4 Hours
Stay Time: 2 MPC hr (in mask):7.0E+5 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):2.8E+7 Hours

TABLE P8. q

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 05:30) (12:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	3.36E-12 uCi/cc
Kr-87	3.56E-12 uCi/cc
Kr-88	8.11E-12 uCi/cc
Xe-133	3.04E-11 uCi/cc
Xe-133m	1.03E-12 uCi/cc
Xe-135	8.47E-12 uCi/cc
TOTAL GAS SAMPLE	5.56E-11 uCi/cc
I-131	2.99E-13 uCi/cc
I-132	4.17E-13 uCi/cc
I-133	1.71E-12 uCi/cc
I-134	1.54E-13 uCi/cc
I-135	2.15E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	4.74E-12 uCi/cc
Rb-88	3.41E-13 uCi/cc
Cs-134	1.37E-13 uCi/cc
Cs-136	5.05E-14 uCi/cc
Cs-137	1.00E-13 uCi/cc
TOTAL FILTER SAMPLE	6.53E-13 uCi/cc

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TABLE P8. q

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 05:30) (12:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.5E+1
For 4" lead shield divide dose rate by:4.2E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.5E+4 Hours
Stay Time: 2 MPC hr (in mask):7.3E+5 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):2.9E+7 Hours

TABLE P8. r

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 06:00) (13:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	3.29E-12 uCi/cc
Kr-87	3.28E-12 uCi/cc
Kr-88	7.84E-12 uCi/cc
Xe-133	3.04E-11 uCi/cc
Xe-133m	1.03E-12 uCi/cc
Xe-135	8.58E-12 uCi/cc
TOTAL GAS SAMPLE	5.50E-11 uCi/cc
I-131	2.95E-13 uCi/cc
I-132	3.98E-13 uCi/cc
I-133	1.72E-12 uCi/cc
I-134	1.33E-13 uCi/cc
I-135	2.15E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	4.71E-12 uCi/cc
Rb-88	3.11E-13 uCi/cc
Cs-134	1.15E-13 uCi/cc
Cs-136	4.22E-14 uCi/cc
Cs-137	8.54E-14 uCi/cc
TOTAL FILTER SAMPLE	5.75E-13 uCi/cc

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TABLE P8. r

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 06:00) (13:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.5E+1
For 4" lead shield divide dose rate by:4.2E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.5E+4 Hours
Stay Time: 2 MPC hr (in mask):7.4E+5 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):3.0E+7 Hours

TABLE P8. s

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 06:30) (13:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	3.33E-12 uCi/cc
Kr-87	3.15E-12 uCi/cc
Kr-88	7.85E-12 uCi/cc
Xe-133	3.15E-11 uCi/cc
Xe-133m	1.06E-12 uCi/cc
Xe-135	8.91E-12 uCi/cc
TOTAL GAS SAMPLE	5.62E-11 uCi/cc
I-131	2.95E-13 uCi/cc
I-132	3.85E-13 uCi/cc
I-133	1.74E-12 uCi/cc
I-134	1.17E-13 uCi/cc
I-135	2.16E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	4.70E-12 uCi/cc
Rb-88	3.07E-13 uCi/cc
Cs-134	9.59E-14 uCi/cc
Cs-136	3.53E-14 uCi/cc
Cs-137	7.30E-14 uCi/cc
TOTAL FILTER SAMPLE	5.31E-13 uCi/cc

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TABLE P8. s

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 06:30) (13:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.5E+1
For 4" lead shield divide dose rate by:4.2E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.5E+4 Hours
Stay Time: 2 MPC hr (in mask):7.4E+5 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):3.0E+7 Hours

TABLE P8. t

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 07:00) (14:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	3.32E-12 uCi/cc
Kr-87	2.98E-12 uCi/cc
Kr-88	7.74E-12 uCi/cc
Xe-133	3.21E-11 uCi/cc
Xe-133m	1.08E-12 uCi/cc
Xe-135	9.14E-12 uCi/cc
TOTAL GAS SAMPLE	5.67E-11 uCi/cc
I-131	2.97E-13 uCi/cc
I-132	3.73E-13 uCi/cc
I-133	1.76E-12 uCi/cc
I-134	1.05E-13 uCi/cc
I-135	2.17E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	4.71E-12 uCi/cc
Rb-88	3.00E-13 uCi/cc
Cs-134	7.95E-14 uCi/cc
Cs-136	2.93E-14 uCi/cc
Cs-137	6.22E-14 uCi/cc
TOTAL FILTER SAMPLE	4.90E-13 uCi/cc

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TABLE P8. t

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 07:00) (14:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.5E+1
For 4" lead shield divide dose rate by:4.3E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.5E+4 Hours
Stay Time: 2 MPC hr (in mask):7.4E+5 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):2.9E+7 Hours

TABLE P8. u

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 07:30) (14:30)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	3.27E-12 uCi/cc
Kr-87	2.78E-12 uCi/cc
Kr-88	7.54E-12 uCi/cc
Xe-133	3.23E-11 uCi/cc
Xe-133m	1.09E-12 uCi/cc
Xe-135	9.28E-12 uCi/cc
TOTAL GAS SAMPLE	5.66E-11 uCi/cc
I-131	3.00E-13 uCi/cc
I-132	3.63E-13 uCi/cc
I-133	1.79E-12 uCi/cc
I-134	9.42E-14 uCi/cc
I-135	2.18E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	4.73E-12 uCi/cc
Rb-88	2.92E-13 uCi/cc
Cs-134	6.59E-14 uCi/cc
Cs-136	2.43E-14 uCi/cc
Cs-137	5.33E-14 uCi/cc
TOTAL FILTER SAMPLE	4.53E-13 uCi/cc

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TABLE P8. u

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 07:30) (14:30)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.5E+1
For 4" lead shield divide dose rate by:4.3E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.5E+4 Hours
Stay Time: 2 MPC hr (in mask):7.3E+5 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):2.9E+7 Hours

TABLE P8. v

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 08:00) (15:00)

Provide current Chem data 30 minutes after sample request

Nuclide	Concentration
Kr-85m	3.20E-12 uCi/cc
Kr-87	2.58E-12 uCi/cc
Kr-88	7.30E-12 uCi/cc
Xe-133	3.23E-11 uCi/cc
Xe-133m	1.09E-12 uCi/cc
Xe-135	9.38E-12 uCi/cc
TOTAL GAS SAMPLE	5.62E-11 uCi/cc
I-131	3.04E-13 uCi/cc
I-132	3.53E-13 uCi/cc
I-133	1.81E-12 uCi/cc
I-134	8.50E-14 uCi/cc
I-135	2.20E-12 uCi/cc
TOTAL CHARCOAL SAMPLE	4.75E-12 uCi/cc
Rb-88	2.82E-13 uCi/cc
Cs-134	5.50E-14 uCi/cc
Cs-137	4.62E-14 uCi/cc
TOTAL FILTER SAMPLE	4.21E-13 uCi/cc

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TABLE P8. v

TURBINE BLDG/TURBINE BLDG EXHAUST (T = 08:00) (15:00)
(continued)

Provide current Chem data 30 minutes after sample request

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.6E+1
For 4" lead shield divide dose rate by:4.3E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.5E+4 Hours
Stay Time: 2 MPC hr (in mask):7.3E+5 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):2.9E+7 Hours

TABLE P9.

RADIATION MONITORING SYSTEM DATA (T = 00:00) (07:00)

MONITOR KEY - FOR USE WITH TABLES P9.

Monitor	TITLE	Monitor	TITLE
ARM-RIS-01	Fuel Pool Area--RX 606	CMS-RIS-27D	RB Elev Release Pt LOCA
ARM-RIS-02	Fuel Pool Area--RX 606	CMS-RIS-27E	In-CTMT LOCA Monitor
ARM-RIS-03	New Fuel Area-RX 606	CMS-RIS-27F	In-CTMT LOCA Monitor
ARM-RIS-3A	New Fuel Area-RX 606	FD-RIS-1	Sump T-1 Rad Monitor
ARM-RIS-04	CRD Equip Area E-RX 522	FD-RIS-2	Sump T-2 Rad Monitor
ARM-RIS-05	CRD Equip Area W-RX 522	FD-RIS-3	Sump T-3 Rad Monitor
ARM-RIS-06	Equip Access S-RX 572	FDR-RIS-606	Liquid RW Effluent Mon
ARM-RIS-07	Neut Mont Drive-RX 501	MS-RIS-610A	MS Line Rad Monitor
ARM-RIS-08	SGT Filter Area-RX 572	MS-RIS-610B	MS Line Rad Monitor
ARM-RIS-09	A RHR Pump Rm 2-RX 422	MS-RIS-610C	MS Line Rad Monitor
ARM-RIS-10	B RHR Pump Rm 1-RX 422	MS-RIS-610D	MS Line Rad Monitor
ARM-RIS-11	C RHR Pump Rm 4-RX 422	OG-RIS-601A	OG Postreat Rad Monitor
ARM-RIS-12	RCIC Pump Rm 3-RX 422	OG-RIS-601B	OG Postreat Rad Monitor
ARM-RIS-13	HPCS Pump Rm 6-RX 422	OG-RIS-611	Charcoal Bed Rad Monitor
ARM-RIS-14	Turb Front Std-TB 501	OG-RIS-612	OG Pretreat Rad Monitor
ARM-RIS-15	Turb Bldg Entr-TB 441	PSR-RI-507	PASS Encl. Rad Monitor
ARM-RIS-16	Rx Feed Pump 1A-TB 441	PSR-RI-665	Pass Liq Rad Monitor
ARM-RIS-17	Rx Feed Pump 1B-TB 441	PSR-RI-704	Pass Gas Rad Monitor
ARM-RIS-18	Condensate Pump-TB 441	RCC-RIS-607	RB Closed Cooling Water
ARM-RIS-19	Main Control Rm-RW 501	REA-RIS-19	RB Elevated Release Moni
ARM-RIS-20	RW Vlv Rm East-RW 467	REA-RIS-19A	RB Inter Range Rad Monit
ARM-RIS-21	RW Vlv Rm West-RW 467	REA-RIS-609A	RB Exhaust Plenum Mon.
ARM-RIS-22	Sampling Room-RW 487	REA-RIS-609B	RB Exhaust Plenum Mon.
ARM-RIS-23	CRD Pump Rm 10-RX 422	REA-RIS-609C	RB Exhaust Plenum Mon.
ARM-RIS-24	Equip Access West-RX 471	REA-RIS-609D	RB Exhaust Plenum Mon.
ARM-RIS-25	Hot Machine Shop-RW 487	RRA-RIS-1	RB Mobile Air Part Mon.
ARM-RIS-26	Contamatd Tool Rm-RW 467	RRA-RIS-2	RB Mobile Air Part Mon.
ARM-RIS-27	Waste Surge Tank-RW 437	RRA-RIS-3	RB In Plant Air Part Mon
ARM-RIS-28	Tank Corridor N-RW 437	SW-RIS-604	RHR Service Water Loop A
ARM-RIS-29	Tank Corridor S-RW 437	SW-RIS-605	RHR Service Water Loop B
ARM-RIS-30	RW Control Room-RW 467	TEA-RIS-13	Turb Bldg Vent Monitor
ARM-RIS-32	Hi Range Monitor-RX 471	TEA-RIS-13A	TB Exh Extended Range
ARM-RIS-33	Hi Range Monitor-RX 501	TRA-RIS-1	TB In Plant Air Part Mon
ARM-RIS-34	Hi Range Monitor-RX 606	WEA-RIS-14	RW Bldg Vent Monitor
CMS-RIS-12/1A	CTMT Part Rad Monitor	WEA-RIS-14A	RW Bldg Inter Ranger Mon
CMS-RIS-12/1B	CTMT Part Rad Monitor	WOA-RIS-31A	CR Fresh Air Intake Mon
CMS-RIS-12/3A	CTMT Noble Gas Monitor	WOA-RIS-31B	CR Fresh Air Intake Mon
CMS-RIS-12/3B	CTMT Noble Gas Monitor	WOA-RIS-32A	CR Fresh Air Intake Mon
CMS-RIS-27A	CTMT LOCA Rad Monitor	WOA-RIS-32B	CR Fresh Air Intake Mon
CMS-RIS-27B	CTMT LOCA Rad Monitor	WRA-RIS-1	RW In Plant Air Part Mon
CMS-RIS-27C	RB Elev Release Pt LOCA	WRA-RIS-2	RW In Plant Air Part Mon

TABLE P9. a

RADIATION MONITORING SYSTEM DATA (T = 00:00) (07:00)

NOTE: 'OSH' = Offscale High

ALL MONITOR VALUES ARE 1 MINUTE AVERAGES

Monitor	value	units	Monitor	value	units
ARM-RIS-01	100.	mR/hr	CMS-RIS-27D	0.01	R/hr
ARM-RIS-02	5.0	mR/hr	CMS-RIS-27E	1.2	R/hr
ARM-RIS-03	100.	mR/hr	CMS-RIS-27F	1.0	R/hr
ARM-RIS-3A	100.	mR/hr	FD-RIS-1	1300.	cpm
ARM-RIS-04	10.	mR/hr	FD-RIS-2	840.	cpm
ARM-RIS-05	10.	mR/hr	FD-RIS-3	2600.	cpm
ARM-RIS-06	5.0	mR/hr	FDR-RIS-606	79.	cps
ARM-RIS-07	1.0	mR/hr	MS-RIS-610A	1000.	mR/hr
ARM-RIS-08	3.0	mR/hr	MS-RIS-610B	1000.	mR/hr
ARM-RIS-09	10.	mR/hr	MS-RIS-610C	1000.	mR/hr
ARM-RIS-10	10.	mR/hr	MS-RIS-610D	1000.	mR/hr
ARM-RIS-11	5.0	mR/hr	OG-RIS-601A	170.	cpm
ARM-RIS-12	5.0	mR/hr	OG-RIS-601B	120.	cpm
ARM-RIS-13	5.0	mR/hr	OG-RIS-611	2.5	mR/hr
ARM-RIS-14	200.	mR/hr	OG-RIS-612	2.0	mR/hr
ARM-RIS-15	3.0	mR/hr	PSR-RI-507	1.0	mR/hr
ARM-RIS-16	5.3	mR/hr	PSR-RI-665	0.01	R/hr
ARM-RIS-17	10.	mR/hr	PSR-RI-704	1.0	mR/hr
ARM-RIS-18	1.0	mR/hr	RCC-RIS-607	41.	cps
ARM-RIS-19	1.0	mR/hr	REA-RIS-19	350.	cpm
ARM-RIS-20	5.0	mR/hr	REA-RIS-19A	1.8	pmu
ARM-RIS-21	4.0	mR/hr	REA-RIS-609A	0.45	mR/hr
ARM-RIS-22	6.0	mR/hr	REA-RIS-609B	0.70	mR/hr
ARM-RIS-23	8.0	mR/hr	REA-RIS-609C	0.35	mR/hr
ARM-RIS-24	7.0	mR/hr	REA-RIS-609D	0.35	mR/hr
ARM-RIS-25	4.0	mR/hr	RRA-RIS-1	2000.	cpm
ARM-RIS-26	3.0	mR/hr	RRA-RIS-2	650.	cpm
ARM-RIS-27	6.0	mR/hr	RRA-RIS-3	1600.	cpm
ARM-RIS-28	8.0	mR/hr	SW-RIS-604	4.2	cps
ARM-RIS-29	50.	mR/hr	SW-RIS-605	5.6	cps
ARM-RIS-30	3.0	mR/hr	TEA-RIS-13	130.	cpm
ARM-RIS-32	0.1	R/hr	TEA-RIS-13A	1.8	pmu
ARM-RIS-33	0.1	R/hr	TRA-RIS-1	110.	cpm
ARM-RIS-34	0.1	R/hr	WEA-RIS-14	45.	cpm
CMS-RIS-12/1A	3400.	cpm	WEA-RIS-14A	1.4	pmu
CMS-RIS-12/1B	3800.	cpm	WOA-RIS-31A	22.	cpm
CMS-RIS-12/3A	2200.	cpm	WOA-RIS-31B	14.	cpm
CMS-RIS-12/3B	1900.	cpm	WOA-RIS-32A	23.	cpm
CMS-RIS-27A	0.01	R/hr	WOA-RIS-32B	51.	cpm
CMS-RIS-27B	0.01	R/hr	WRA-RIS-1	410.	cpm
CMS-RIS-27C	0.01	R/hr	WRA-RIS-2	300.	cpm

TABLE P9. b

RADIATION MONITORING SYSTEM DATA (T = 01:00) (08:00)

NOTE: 'OSH' = Offscale High

ALL MONITOR VALUES ARE 1 MINUTE AVERAGES

Monitor	value	units	Monitor	value	units
ARM-RIS-01	100.	mR/hr	CMS-RIS-27D	0.01	R/hr
ARM-RIS-02	5.0	mR/hr	CMS-RIS-27E	1.2	R/hr
ARM-RIS-03	100.	mR/hr	CMS-RIS-27F	1.0	R/hr
ARM-RIS-3A	100.	mR/hr	FD-RIS-1	1300.	cpm
ARM-RIS-04	10.	mR/hr	FD-RIS-2	840.	cpm
ARM-RIS-05	10.	mR/hr	FD-RIS-3	2600.	cpm
ARM-RIS-06	5.0	mR/hr	FDR-RIS-606	80.	cps
ARM-RIS-07	1.0	mR/hr	MS-RIS-610A	4.2	mR/hr
ARM-RIS-08	3.0	mR/hr	MS-RIS-610B	9.8	mR/hr
ARM-RIS-09	10.	mR/hr	MS-RIS-610C	16.	mR/hr
ARM-RIS-10	10.	mR/hr	MS-RIS-610D	3.6	mR/hr
ARM-RIS-11	5.0	mR/hr	OG-RIS-601A	220.	cpm
ARM-RIS-12	5.0	mR/hr	OG-RIS-601B	170.	cpm
ARM-RIS-13	5.0	mR/hr	OG-RIS-611	2.5	mR/hr
ARM-RIS-14	45.	mR/hr	OG-RIS-612	2.0	mR/hr
ARM-RIS-15	3.0	mR/hr	PSR-RI-507	1.0	mR/hr
ARM-RIS-16	5.3	mR/hr	PSR-RI-665	0.01	R/hr
ARM-RIS-17	10.	mR/hr	PSR-RI-704	1.0	mR/hr
ARM-RIS-18	1.0	mR/hr	RCC-RIS-607	41.	cps
ARM-RIS-19	1.0	mR/hr	REA-RIS-19	350.	cpm
ARM-RIS-20	5.0	mR/hr	REA-RIS-19A	1.8	pmu
ARM-RIS-21	4.0	mR/hr	REA-RIS-609A	0.45	mR/hr
ARM-RIS-22	6.0	mR/hr	REA-RIS-609B	0.70	mR/hr
ARM-RIS-23	8.0	mR/hr	REA-RIS-609C	0.35	mR/hr
ARM-RIS-24	7.0	mR/hr	REA-RIS-609D	0.35	mR/hr
ARM-RIS-25	4.0	mR/hr	RRA-RIS-1	2000.	cpm
ARM-RIS-26	3.0	mR/hr	RRA-RIS-2	650.	cpm
ARM-RIS-27	6.0	mR/hr	RRA-RIS-3	1600.	cpm
ARM-RIS-28	8.0	mR/hr	SW-RIS-604	4.2	cps
ARM-RIS-29	50.	mR/hr	SW-RIS-605	5.6	cps
ARM-RIS-30	3.0	mR/hr	TEA-RIS-13	130.	cpm
ARM-RIS-32	0.1	R/hr	TEA-RIS-13A	1.8	pmu
ARM-RIS-33	0.1	R/hr	TRA-RIS-1	110.	cpm
ARM-RIS-34	0.1	R/hr	WEA-RIS-14	45.	cpm
CMS-RIS-12/1A	3400.	cpm	WEA-RIS-14A	1.4	pmu
CMS-RIS-12/1B	3800.	cpm	WOA-RIS-31A	26.	cpm
CMS-RIS-12/3A	2200.	cpm	WOA-RIS-31B	14.	cpm
CMS-RIS-12/3B	1900.	cpm	WOA-RIS-32A	24.	cpm
CMS-RIS-27A	0.01	R/hr	WOA-RIS-32B	51.	cpm
CMS-RIS-27B	0.01	R/hr	WRA-RIS-1	410.	cpm
CMS-RIS-27C	0.01	R/hr	WRA-RIS-2	300.	cpm

TABLE P9. c

RADIATION MONITORING SYSTEM DATA (T = 01:30) (08:30)

NOTE: 'OSH' = Offscale High

ALL MONITOR VALUES ARE 1 MINUTE AVERAGES

Monitor	value	units	Monitor	value	units
ARM-RIS-01	100.	mR/hr	CMS-RIS-27D	4.5	R/hr
ARM-RIS-02	5.4	mR/hr	CMS-RIS-27E	16.	R/hr
ARM-RIS-03	100.	mR/hr	CMS-RIS-27F	40.	R/hr
ARM-RIS-3A	100.	mR/hr	FD-RIS-1	1300.	cpm
ARM-RIS-04	10.	mR/hr	FD-RIS-2	840.	cpm
ARM-RIS-05	10.	mR/hr	FD-RIS-3	2500.	cpm
ARM-RIS-06	12.	mR/hr	FDR-RIS-606	81.	cps
ARM-RIS-07	1.0	mR/hr	MS-RIS-610A	4.2	mR/hr
ARM-RIS-08	2700.	mR/hr	MS-RIS-610B	9.8	mR/hr
ARM-RIS-09	10.	mR/hr	MS-RIS-610C	16.	mR/hr
ARM-RIS-10	10.	mR/hr	MS-RIS-610D	3.7	mR/hr
ARM-RIS-11	5.0	mR/hr	OG-RIS-601A	160.	cpm
ARM-RIS-12	5.0	mR/hr	OG-RIS-601B	110.	cpm
ARM-RIS-13	5.0	mR/hr	OG-RIS-611	2.5	mR/hr
ARM-RIS-14	45.	mR/hr	OG-RIS-612	2.0	mR/hr
ARM-RIS-15	3.0	mR/hr	PSR-RI-507	1.0	mR/hr
ARM-RIS-16	5.2	mR/hr	PSR-RI-665	0.01	R/hr
ARM-RIS-17	10.	mR/hr	PSR-RI-704	1.0	mR/hr
ARM-RIS-18	1.0	mR/hr	RCC-RIS-607	1.1E4	cps
ARM-RIS-19	1.0	mR/hr	REA-RIS-19	OSH	cpm
ARM-RIS-20	5.0	mR/hr	REA-RIS-19A	110.	pmu
ARM-RIS-21	4.0	mR/hr	REA-RIS-609A	7.5	mR/hr
ARM-RIS-22	6.3	mR/hr	REA-RIS-609B	6.9	mR/hr
ARM-RIS-23	8.0	mR/hr	REA-RIS-609C	5.8	mR/hr
ARM-RIS-24	7.0	mR/hr	REA-RIS-609D	5.2	mR/hr
ARM-RIS-25	4.3	mR/hr	RRA-RIS-1	OSH	cpm
ARM-RIS-26	3.0	mR/hr	RRA-RIS-2	OSH	cpm
ARM-RIS-27	6.0	mR/hr	RRA-RIS-3	OSH	cpm
ARM-RIS-28	8.0	mR/hr	SW-RIS-604	4.2	cps
ARM-RIS-29	50.	mR/hr	SW-RIS-605	5.8	cps
ARM-RIS-30	3.0	mR/hr	TEA-RIS-13	130.	cpm
ARM-RIS-32	0.1	R/hr	TEA-RIS-13A	1.8	pmu
ARM-RIS-33	0.1	R/hr	TRA-RIS-1	8400.	cpm
ARM-RIS-34	0.1	R/hr	WEA-RIS-14	45.	cpm
CMS-RIS-12/1A	8.3E5	cpm	WEA-RIS-14A	1.4	pmu
CMS-RIS-12/1B	8.3E5	cpm	WOA-RIS-31A	2.8E4	cpm
CMS-RIS-12/3A	5.4E6	cpm	WOA-RIS-31B	4.2E4	cpm
CMS-RIS-12/3B	5.4E6	cpm	WOA-RIS-32A	3.1E4	cpm
CMS-RIS-27A	0.03	R/hr	WOA-RIS-32B	3.7E4	cpm
CMS-RIS-27B	0.03	R/hr	WRA-RIS-1	1.0E4	cpm
CMS-RIS-27C	4.5	R/hr	WRA-RIS-2	1.2E4	cpm

TABLE A.1.a

NEW RADIATION MONITOR SYSTEM ALARMS (T = 01:30) (08:30)

SGT Filter Area-RX 572	(ARM-RIS-08)	HIGH
CTMT Part Rad Monitor	(CMS-RIS-12/1A)	HIGH
CTMT Part Rad Monitor	(CMS-RIS-12/1A)	HIHI
CTMT Part Rad Monitor	(CMS-RIS-12/1B)	HIGH
CTMT Part Rad Monitor	(CMS-RIS-12/1B)	HIHI
CTMT Noble Gas Monitor	(CMS-RIS-12/3A)	HIGH
CTMT Noble Gas Monitor	(CMS-RIS-12/3A)	HIHI
CTMT Noble Gas Monitor	(CMS-RIS-12/3B)	HIGH
CTMT Noble Gas Monitor	(CMS-RIS-12/3B)	HIHI
RB Elev Release Pt LOCA	(CMS-RIS-27C)	HIGH
RB Elev Release Pt LOCA	(CMS-RIS-27D)	HIGH
RB Closed Cooling Water	(RCC-RIS-607)	HIHI
RB Elevated Release Moni	(REA-RIS-19)	HIGH
RB Elevated Release Moni	(REA-RIS-19)	HIHI
RB Mobile Air Part Mon.	(RRA-RIS-1)	HIGH
RB Mobile Air Part Mon.	(RRA-RIS-2)	HIGH
RB In Plant Air Part Mon	(RRA-RIS-3)	HIGH
CR Fresh Air Intake Mon	(WOA-RIS-31A)	HIGH
CR Fresh Air Intake Mon	(WOA-RIS-31A)	HIHI
CR Fresh Air Intake Mon	(WOA-RIS-31B)	HIGH
CR Fresh Air Intake Mon	(WOA-RIS-31B)	HIHI
CR Fresh Air Intake Mon	(WOA-RIS-32A)	HIGH
CR Fresh Air Intake Mon	(WOA-RIS-32A)	HIHI
CR Fresh Air Intake Mon	(WOA-RIS-32B)	HIGH
CR Fresh Air Intake Mon	(WOA-RIS-32B)	HIHI
RW In Plant Air Part Mon	(WRA-RIS-1)	HIGH
RW In Plant Air Part Mon	(WRA-RIS-2)	HIGH

TABLE P9. d

RADIATION MONITORING SYSTEM DATA (T = 01:45) (08:45)

NOTE: 'OSH' = Offscale High

ALL MONITOR VALUES ARE 1 MINUTE AVERAGES

Monitor	value	units	Monitor	value	units
ARM-RIS-01	100.	mR/hr	CMS-RIS-27D	11.	R/hr
ARM-RIS-02	7.9	mR/hr	CMS-RIS-27E	22.	R/hr
ARM-RIS-03	100.	mR/hr	CMS-RIS-27F	57.	R/hr
ARM-RIS-3A	100.	mR/hr	FD-RIS-1	1300.	cpm
ARM-RIS-04	10.	mR/hr	FD-RIS-2	900.	cpm
ARM-RIS-05	11.	mR/hr	FD-RIS-3	2500.	cpm
ARM-RIS-06	17.	mR/hr	FDR-RIS-606	82.	cps
ARM-RIS-07	1.0	mR/hr	MS-RIS-610A	4.2	mR/hr
ARM-RIS-08	OSH	mR/hr	MS-RIS-610B	11.	mR/hr
ARM-RIS-09	10.	mR/hr	MS-RIS-610C	16.	mR/hr
ARM-RIS-10	52.	mR/hr	MS-RIS-610D	4.4	mR/hr
ARM-RIS-11	5.2	mR/hr	OG-RIS-601A	150.	cpm
ARM-RIS-12	5.2	mR/hr	OG-RIS-601B	99.	cpm
ARM-RIS-13	5.2	mR/hr	OG-RIS-611	2.5	mR/hr
ARM-RIS-14	45.	mR/hr	OG-RIS-612	2.0	mR/hr
ARM-RIS-15	3.0	mR/hr	PSR-RI-507	120.	mR/hr
ARM-RIS-16	5.2	mR/hr	PSR-RI-665	0.12	R/hr
ARM-RIS-17	10.	mR/hr	PSR-RI-704	120.	mR/hr
ARM-RIS-18	1.0	mR/hr	RCC-RIS-607	1.4E5	cps
ARM-RIS-19	1.0	mR/hr	REA-RIS-19	OSH	cpm
ARM-RIS-20	5.0	mR/hr	REA-RIS-19A	270.	pmu
ARM-RIS-21	4.0	mR/hr	REA-RIS-609A	12.	mR/hr
ARM-RIS-22	8.5	mR/hr	REA-RIS-609B	11.	mR/hr
ARM-RIS-23	8.2	mR/hr	REA-RIS-609C	9.2	mR/hr
ARM-RIS-24	7.3	mR/hr	REA-RIS-609D	8.2	mR/hr
ARM-RIS-25	6.3	mR/hr	RRA-RIS-1	OSH	cpm
ARM-RIS-26	3.0	mR/hr	RRA-RIS-2	OSH	cpm
ARM-RIS-27	6.0	mR/hr	RRA-RIS-3	OSH	cpm
ARM-RIS-28	8.0	mR/hr	SW-RIS-604	4.2	cps
ARM-RIS-29	50.	mR/hr	SW-RIS-605	6.1	cps
ARM-RIS-30	3.0	mR/hr	TEA-RIS-13	140.	cpm
ARM-RIS-32	0.1	R/hr	TEA-RIS-13A	1.8	pmu
ARM-RIS-33	0.1	R/hr	TRA-RIS-1	OSH	cpm
ARM-RIS-34	0.1	R/hr	WEA-RIS-14	46.	cpm
CMS-RIS-12/1A	1.4E6	cpm	WEA-RIS-14A	1.4	pmu
CMS-RIS-12/1B	1.4E6	cpm	WOA-RIS-31A	2.2E5	cpm
CMS-RIS-12/3A	OSH	cpm	WOA-RIS-31B	3.2E5	cpm
CMS-RIS-12/3B	OSH	cpm	WOA-RIS-32A	2.4E5	cpm
CMS-RIS-27A	0.04	R/hr	WOA-RIS-32B	2.8E5	cpm
CMS-RIS-27B	0.04	R/hr	WRA-RIS-1	OSH	cpm
CMS-RIS-27C	11.	R/hr	WRA-RIS-2	OSH	cpm

TABLE A.1.b

NEW RADIATION MONITOR SYSTEM ALARMS (T = 01:45) (08:45)

B RHR Pump Rm 1-RX 422	(ARM-RIS-10)	HIGH
PASS Encl. Rad Monitor	(PSR-RI-507)	HIGH
PASS Encl. Rad Monitor	(PSR-RI-507)	HIHI
RB Exhaust Plenum Mon.	(REA-RIS-609A)	HIGH
RB Exhaust Plenum Mon.	(REA-RIS-609B)	HIGH
TB In Plant Air Part Mon	(TRA-RIS-1)	HIGH

TABLE P9. e

RADIATION MONITORING SYSTEM DATA (T = 02:00) (09:00)

NOTE: 'OSH' = Offscale High

ALL MONITOR VALUES ARE 1 MINUTE AVERAGES

Monitor	value	units	Monitor	value	units
ARM-RIS-01	100.	mR/hr	CMS-RIS-27D	9.5	R/hr
ARM-RIS-02	7.6	mR/hr	CMS-RIS-27E	15.	R/hr
ARM-RIS-03	100.	mR/hr	CMS-RIS-27F	38.	R/hr
ARM-RIS-3A	100.	mR/hr	FD-RIS-1	1400.	cpm
ARM-RIS-04	10.	mR/hr	FD-RIS-2	920.	cpm
ARM-RIS-05	10.	mR/hr	FD-RIS-3	2500.	cpm
ARM-RIS-06	13.	mR/hr	FDR-RIS-606	81.	cps
ARM-RIS-07	1.0	mR/hr	MS-RIS-610A	4.2	mR/hr
ARM-RIS-08	OSH	mR/hr	MS-RIS-610B	11.	mR/hr
ARM-RIS-09	10.	mR/hr	MS-RIS-610C	16.	mR/hr
ARM-RIS-10	49.	mR/hr	MS-RIS-610D	4.3	mR/hr
ARM-RIS-11	5.2	mR/hr	OG-RIS-601A	140.	cpm
ARM-RIS-12	5.2	mR/hr	OG-RIS-601B	92.	cpm
ARM-RIS-13	5.2	mR/hr	OG-RIS-611	2.5	mR/hr
ARM-RIS-14	45.	mR/hr	OG-RIS-612	2.0	mR/hr
ARM-RIS-15	3.0	mR/hr	PSR-RI-507	110.	mR/hr
ARM-RIS-16	5.2	mR/hr	PSR-RI-665	0.11	R/hr
ARM-RIS-17	10.	mR/hr	PSR-RI-704	110.	mR/hr
ARM-RIS-18	1.0	mR/hr	RCC-RIS-607	2.0E5	cps
ARM-RIS-19	1.0	mR/hr	REA-RIS-19	OSH	cpm
ARM-RIS-20	5.0	mR/hr	REA-RIS-19A	240.	pmu
ARM-RIS-21	4.0	mR/hr	REA-RIS-609A	8.1	mR/hr
ARM-RIS-22	8.1	mR/hr	REA-RIS-609B	7.5	mR/hr
ARM-RIS-23	8.2	mR/hr	REA-RIS-609C	6.3	mR/hr
ARM-RIS-24	7.4	mR/hr	REA-RIS-609D	5.7	mR/hr
ARM-RIS-25	5.9	mR/hr	RRA-RIS-1	OSH	cpm
ARM-RIS-26	3.0	mR/hr	RRA-RIS-2	OSH	cpm
ARM-RIS-27	6.0	mR/hr	RRA-RIS-3	OSH	cpm
ARM-RIS-28	8.0	mR/hr	SW-RIS-604	4.2	cps
ARM-RIS-29	50.	mR/hr	SW-RIS-605	6.0	cps
ARM-RIS-30	3.0	mR/hr	TEA-RIS-13	140.	cpm
ARM-RIS-32	0.1	R/hr	TEA-RIS-13A	1.8	pmu
ARM-RIS-33	0.1	R/hr	TRA-RIS-1	OSH	cpm
ARM-RIS-34	0.1	R/hr	WEA-RIS-14	47.	cpm
CMS-RIS-12/1A	1.1E6	cpm	WEA-RIS-14A	1.4	pmu
CMS-RIS-12/1B	1.1E6	cpm	WOA-RIS-31A	1.8E5	cpm
CMS-RIS-12/3A	9.1E6	cpm	WOA-RIS-31B	2.7E5	cpm
CMS-RIS-12/3B	9.1E6	cpm	WOA-RIS-32A	2.0E5	cpm
CMS-RIS-27A	0.03	R/hr	WOA-RIS-32B	2.4E5	cpm
CMS-RIS-27B	0.03	R/hr	WRA-RIS-1	OSH	cpm
CMS-RIS-27C	9.5	R/hr	WRA-RIS-2	OSH	cpm

TABLE P9. f

RADIATION MONITORING SYSTEM DATA (T = 02:15) (09:15)

NOTE: 'OSH' = Offscale High

ALL MONITOR VALUES ARE 1 MINUTE AVERAGES

Monitor	value	units	Monitor	value	units
ARM-RIS-01	100.	mR/hr	CMS-RIS-27D	8.4	R/hr
ARM-RIS-02	7.4	mR/hr	CMS-RIS-27E	11.	R/hr
ARM-RIS-03	100.	mR/hr	CMS-RIS-27F	27.	R/hr
ARM-RIS-3A	100.	mR/hr	FD-RIS-1	1400.	cpm
ARM-RIS-04	10.	mR/hr	FD-RIS-2	920.	cpm
ARM-RIS-05	10.	mR/hr	FD-RIS-3	2500.	cpm
ARM-RIS-06	11.	mR/hr	FDR-RIS-606	81.	cps
ARM-RIS-07	1.0	mR/hr	MS-RIS-610A	4.2	mR/hr
ARM-RIS-08	OSH	mR/hr	MS-RIS-610B	10.	mR/hr
ARM-RIS-09	10.	mR/hr	MS-RIS-610C	16.	mR/hr
ARM-RIS-10	46.	mR/hr	MS-RIS-610D	4.2	mR/hr
ARM-RIS-11	5.2	mR/hr	OG-RIS-601A	140.	cpm
ARM-RIS-12	5.2	mR/hr	OG-RIS-601B	87.	cpm
ARM-RIS-13	5.2	mR/hr	OG-RIS-611	2.5	mR/hr
ARM-RIS-14	45.	mR/hr	OG-RIS-612	2.0	mR/hr
ARM-RIS-15	3.0	mR/hr	PSR-RI-507	100.	mR/hr
ARM-RIS-16	5.2	mR/hr	PSR-RI-665	0.10	R/hr
ARM-RIS-17	10.	mR/hr	PSR-RI-704	100.	mR/hr
ARM-RIS-18	1.0	mR/hr	RCC-RIS-607	2.4E5	cps
ARM-RIS-19	1.0	mR/hr	REA-RIS-19	OSH	cpm
ARM-RIS-20	5.0	mR/hr	REA-RIS-19A	220.	pmu
ARM-RIS-21	4.0	mR/hr	REA-RIS-609A	6.0	mR/hr
ARM-RIS-22	7.9	mR/hr	REA-RIS-609B	5.6	mR/hr
ARM-RIS-23	8.2	mR/hr	REA-RIS-609C	4.7	mR/hr
ARM-RIS-24	7.3	mR/hr	REA-RIS-609D	4.3	mR/hr
ARM-RIS-25	5.7	mR/hr	RRA-RIS-1	OSH	cpm
ARM-RIS-26	3.0	mR/hr	RRA-RIS-2	OSH	cpm
ARM-RIS-27	6.0	mR/hr	RRA-RIS-3	OSH	cpm
ARM-RIS-28	8.0	mR/hr	SW-RIS-604	4.2	cps
ARM-RIS-29	50.	mR/hr	SW-RIS-605	6.0	cps
ARM-RIS-30	3.0	mR/hr	TEA-RIS-13	140.	cpm
ARM-RIS-32	0.1	R/hr	TEA-RIS-13A	1.8	pmu
ARM-RIS-33	0.1	R/hr	TRA-RIS-1	4.7E4	cpm
ARM-RIS-34	0.1	R/hr	WEA-RIS-14	47.	cpm
CMS-RIS-12/1A	8.3E5	cpm	WEA-RIS-14A	1.4	pmu
CMS-RIS-12/1B	8.3E5	cpm	WOA-RIS-31A	1.6E5	cpm
CMS-RIS-12/3A	8.1E6	cpm	WOA-RIS-31B	2.4E5	cpm
CMS-RIS-12/3B	8.1E6	cpm	WOA-RIS-32A	1.7E5	cpm
CMS-RIS-27A	0.02	R/hr	WOA-RIS-32B	2.1E5	cpm
CMS-RIS-27B	0.02	R/hr	WRA-RIS-1	OSH	cpm
CMS-RIS-27C	8.4	R/hr	WRA-RIS-2	OSH	cpm

TABLE P9. g

RADIATION MONITORING SYSTEM DATA (T = 02:30) (09:30)

NOTE: 'OSH' = Offscale High

ALL MONITOR VALUES ARE 1 MINUTE AVERAGES

Monitor	value	units	Monitor	value	units
ARM-RIS-01	100.	mR/hr	CMS-RIS-27D	0.01	R/hr
ARM-RIS-02	5.4	mR/hr	CMS-RIS-27E	9.3	R/hr
ARM-RIS-03	100.	mR/hr	CMS-RIS-27F	22.	R/hr
ARM-RIS-3A	100.	mR/hr	FD-RIS-1	1300.	cpm
ARM-RIS-04	10.	mR/hr	FD-RIS-2	880.	cpm
ARM-RIS-05	10.	mR/hr	FD-RIS-3	2400.	cpm
ARM-RIS-06	10.	mR/hr	FDR-RIS-606	80.	cps
ARM-RIS-07	1.0	mR/hr	MS-RIS-610A	4.2	mR/hr
ARM-RIS-08	OSH	mR/hr	MS-RIS-610B	9.7	mR/hr
ARM-RIS-09	10.	mR/hr	MS-RIS-610C	16.	mR/hr
ARM-RIS-10	43.	mR/hr	MS-RIS-610D	3.6	mR/hr
ARM-RIS-11	5.2	mR/hr	OG-RIS-601A	130.	cpm
ARM-RIS-12	5.2	mR/hr	OG-RIS-601B	82.	cpm
ARM-RIS-13	5.2	mR/hr	OG-RIS-611	2.5	mR/hr
ARM-RIS-14	45.	mR/hr	OG-RIS-612	2.0	mR/hr
ARM-RIS-15	3.0	mR/hr	PSR-RI-507	93.	mR/hr
ARM-RIS-16	5.2	mR/hr	PSR-RI-665	0.09	R/hr
ARM-RIS-17	10.	mR/hr	PSR-RI-704	93.	mR/hr
ARM-RIS-18	1.0	mR/hr	RCC-RIS-607	2.3E5	cps
ARM-RIS-19	1.0	mR/hr	REA-RIS-19	1000.	cpm
ARM-RIS-20	5.0	mR/hr	REA-RIS-19A	1.8	pmu
ARM-RIS-21	4.0	mR/hr	REA-RIS-609A	5.4	mR/hr
ARM-RIS-22	6.0	mR/hr	REA-RIS-609B	5.1	mR/hr
ARM-RIS-23	8.2	mR/hr	REA-RIS-609C	4.3	mR/hr
ARM-RIS-24	7.3	mR/hr	REA-RIS-609D	3.9	mR/hr
ARM-RIS-25	4.0	mR/hr	RRA-RIS-1	OSH	cpm
ARM-RIS-26	3.0	mR/hr	RRA-RIS-2	1.9E4	cpm
ARM-RIS-27	6.0	mR/hr	RRA-RIS-3	OSH	cpm
ARM-RIS-28	8.0	mR/hr	SW-RIS-604	4.2	cps
ARM-RIS-29	50.	mR/hr	SW-RIS-605	5.9	cps
ARM-RIS-30	3.0	mR/hr	TEA-RIS-13	140.	cpm
ARM-RIS-32	0.1	R/hr	TEA-RIS-13A	1.8	pmu
ARM-RIS-33	0.1	R/hr	TRA-RIS-1	110.	cpm
ARM-RIS-34	0.1	R/hr	WEA-RIS-14	46.	cpm
CMS-RIS-12/1A	6.8E5	cpm	WEA-RIS-14A	1.4	pmu
CMS-RIS-12/1B	6.8E5	cpm	WOA-RIS-31A	27.	cpm
CMS-RIS-12/3A	7.7E6	cpm	WOA-RIS-31B	16.	cpm
CMS-RIS-12/3B	7.7E6	cpm	WOA-RIS-32A	25.	cpm
CMS-RIS-27A	0.02	R/hr	WOA-RIS-32B	54.	cpm
CMS-RIS-27B	0.02	R/hr	WRA-RIS-1	410.	cpm
CMS-RIS-27C	0.02	R/hr	WRA-RIS-2	300.	cpm

TABLE P9. h

RADIATION MONITORING SYSTEM DATA (T = 02:45) (09:45)

NOTE: 'OSH' = Offscale High

ALL MONITOR VALUES ARE 1 MINUTE AVERAGES

Monitor	value	units	Monitor	value	units
ARM-RIS-01	100.	mR/hr	CMS-RIS-27D	0.01	R/hr
ARM-RIS-02	5.4	mR/hr	CMS-RIS-27E	8.2	R/hr
ARM-RIS-03	100.	mR/hr	CMS-RIS-27F	19.	R/hr
ARM-RIS-3A	100.	mR/hr	FD-RIS-1	1300.	cpm
ARM-RIS-04	10.	mR/hr	FD-RIS-2	850.	cpm
ARM-RIS-05	10.	mR/hr	FD-RIS-3	2300.	cpm
ARM-RIS-06	10.	mR/hr	FDR-RIS-606	80.	cps
ARM-RIS-07	1.0	mR/hr	MS-RIS-610A	4.2	mR/hr
ARM-RIS-08	OSH	mR/hr	MS-RIS-610B	9.7	mR/hr
ARM-RIS-09	10.	mR/hr	MS-RIS-610C	16.	mR/hr
ARM-RIS-10	41.	mR/hr	MS-RIS-610D	3.5	mR/hr
ARM-RIS-11	5.2	mR/hr	OG-RIS-601A	130.	cpm
ARM-RIS-12	5.2	mR/hr	OG-RIS-601B	78.	cpm
ARM-RIS-13	5.2	mR/hr	OG-RIS-611	2.5	mR/hr
ARM-RIS-14	45.	mR/hr	OG-RIS-612	2.0	mR/hr
ARM-RIS-15	3.0	mR/hr	PSR-RI-507	87.	mR/hr
ARM-RIS-16	5.2	mR/hr	PSR-RI-665	0.09	R/hr
ARM-RIS-17	10.	mR/hr	PSR-RI-704	87.	mR/hr
ARM-RIS-18	1.0	mR/hr	RCC-RIS-607	2.2E5	cps
ARM-RIS-19	1.0	mR/hr	REA-RIS-19	1100.	cpm
ARM-RIS-20	5.0	mR/hr	REA-RIS-19A	1.8	pmu
ARM-RIS-21	4.0	mR/hr	REA-RIS-609A	5.2	mR/hr
ARM-RIS-22	6.0	mR/hr	REA-RIS-609B	4.9	mR/hr
ARM-RIS-23	8.2	mR/hr	REA-RIS-609C	4.1	mR/hr
ARM-RIS-24	7.3	mR/hr	REA-RIS-609D	3.7	mR/hr
ARM-RIS-25	4.0	mR/hr	RRA-RIS-1	OSH	cpm
ARM-RIS-26	3.0	mR/hr	RRA-RIS-2	1.9E4	cpm
ARM-RIS-27	6.0	mR/hr	RRA-RIS-3	OSH	cpm
ARM-RIS-28	8.0	mR/hr	SW-RIS-604	4.2	cps
ARM-RIS-29	50.	mR/hr	SW-RIS-605	5.9	cps
ARM-RIS-30	3.0	mR/hr	TEA-RIS-13	130.	cpm
ARM-RIS-32	0.1	R/hr	TEA-RIS-13A	1.8	pmu
ARM-RIS-33	0.1	R/hr	TRA-RIS-1	110.	cpm
ARM-RIS-34	0.1	R/hr	WEA-RIS-14	46.	cpm
CMS-RIS-12/1A	5.7E5	cpm	WEA-RIS-14A	1.4	pmu
CMS-RIS-12/1B	5.7E5	cpm	WOA-RIS-31A	28.	cpm
CMS-RIS-12/3A	7.5E6	cpm	WOA-RIS-31B	18.	cpm
CMS-RIS-12/3B	7.5E6	cpm	WOA-RIS-32A	26.	cpm
CMS-RIS-27A	0.01	R/hr	WOA-RIS-32B	55.	cpm
CMS-RIS-27B	0.01	R/hr	WRA-RIS-1	410.	cpm
CMS-RIS-27C	0.02	R/hr	WRA-RIS-2	300.	cpm

TABLE P9. i

RADIATION MONITORING SYSTEM DATA (T = 03:00) (10:00)

NOTE: 'OSH' = Offscale High

ALL MONITOR VALUES ARE 1 MINUTE AVERAGES

Monitor	value	units	Monitor	value	units
ARM-RIS-01	100.	mR/hr	CMS-RIS-27D	0.01	R/hr
ARM-RIS-02	5.4	mR/hr	CMS-RIS-27E	7.6	R/hr
ARM-RIS-03	100.	mR/hr	CMS-RIS-27F	18.	R/hr
ARM-RIS-3A	100.	mR/hr	FD-RIS-1	1300.	cpm
ARM-RIS-04	10.	mR/hr	FD-RIS-2	840.	cpm
ARM-RIS-05	10.	mR/hr	FD-RIS-3	2300.	cpm
ARM-RIS-06	9.9	mR/hr	FDR-RIS-606	80.	cps
ARM-RIS-07	1.0	mR/hr	MS-RIS-610A	4.2	mR/hr
ARM-RIS-08	OSH	mR/hr	MS-RIS-610B	9.7	mR/hr
ARM-RIS-09	10.	mR/hr	MS-RIS-610C	16.	mR/hr
ARM-RIS-10	39.	mR/hr	MS-RIS-610D	3.5	mR/hr
ARM-RIS-11	5.2	mR/hr	OG-RIS-601A	130.	cpm
ARM-RIS-12	5.2	mR/hr	OG-RIS-601B	75.	cpm
ARM-RIS-13	5.2	mR/hr	OG-RIS-611	2.5	mR/hr
ARM-RIS-14	45.	mR/hr	OG-RIS-612	2.0	mR/hr
ARM-RIS-15	3.0	mR/hr	PSR-RI-507	80.	mR/hr
ARM-RIS-16	5.2	mR/hr	PSR-RI-665	0.08	R/hr
ARM-RIS-17	10.	mR/hr	PSR-RI-704	80.	mR/hr
ARM-RIS-18	1.0	mR/hr	RCC-RIS-607	2.2E5	cps
ARM-RIS-19	1.0	mR/hr	REA-RIS-19	1100.	cpm
ARM-RIS-20	5.0	mR/hr	REA-RIS-19A	1.8	pmu
ARM-RIS-21	4.0	mR/hr	REA-RIS-609A	5.0	mR/hr
ARM-RIS-22	6.0	mR/hr	REA-RIS-609B	4.8	mR/hr
ARM-RIS-23	8.2	mR/hr	REA-RIS-609C	4.0	mR/hr
ARM-RIS-24	7.3	mR/hr	REA-RIS-609D	3.6	mR/hr
ARM-RIS-25	4.0	mR/hr	RRA-RIS-1	OSH	cpm
ARM-RIS-26	3.0	mR/hr	RRA-RIS-2	1.8E4	cpm
ARM-RIS-27	6.0	mR/hr	RRA-RIS-3	OSH	cpm
ARM-RIS-28	8.0	mR/hr	SW-RIS-604	4.2	cps
ARM-RIS-29	50.	mR/hr	SW-RIS-605	5.9	cps
ARM-RIS-30	3.0	mR/hr	TEA-RIS-13	130.	cpm
ARM-RIS-32	0.1	R/hr	TEA-RIS-13A	1.8	pmu
ARM-RIS-33	0.1	R/hr	TRA-RIS-1	110.	cpm
ARM-RIS-34	0.1	R/hr	WEA-RIS-14	46.	cpm
CMS-RIS-12/1A	4.8E5	cpm	WEA-RIS-14A	1.4	pmu
CMS-RIS-12/1B	4.8E5	cpm	WOA-RIS-31A	28.	cpm
CMS-RIS-12/3A	7.3E6	cpm	WOA-RIS-31B	18.	cpm
CMS-RIS-12/3B	7.3E6	cpm	WOA-RIS-32A	27.	cpm
CMS-RIS-27A	0.01	R/hr	WOA-RIS-32B	55.	cpm
CMS-RIS-27B	0.01	R/hr	WRA-RIS-1	410.	cpm
CMS-RIS-27C	0.02	R/hr	WRA-RIS-2	300.	cpm

TABLE P9. j

RADIATION MONITORING SYSTEM DATA (T = 03:15) (10:15)

NOTE: 'OSH' = Offscale High

ALL MONITOR VALUES ARE 1 MINUTE AVERAGES

Monitor	value	units	Monitor	value	units
ARM-RIS-01	100.	mR/hr	CMS-RIS-27D	0.01	R/hr
ARM-RIS-02	5.4	mR/hr	CMS-RIS-27E	7.1	R/hr
ARM-RIS-03	100.	mR/hr	CMS-RIS-27F	16.	R/hr
ARM-RIS-3A	100.	mR/hr	FD-RIS-1	1300.	cpm
ARM-RIS-04	10.	mR/hr	FD-RIS-2	840.	cpm
ARM-RIS-05	10.	mR/hr	FD-RIS-3	2300.	cpm
ARM-RIS-06	9.7	mR/hr	FDR-RIS-606	80.	cps
ARM-RIS-07	1.0	mR/hr	MS-RIS-610A	4.2	mR/hr
ARM-RIS-08	OSH	mR/hr	MS-RIS-610B	9.7	mR/hr
ARM-RIS-09	10.	mR/hr	MS-RIS-610C	16.	mR/hr
ARM-RIS-10	37.	mR/hr	MS-RIS-610D	3.5	mR/hr
ARM-RIS-11	5.2	mR/hr	OG-RIS-601A	130.	cpm
ARM-RIS-12	5.2	mR/hr	OG-RIS-601B	73.	cpm
ARM-RIS-13	5.2	mR/hr	OG-RIS-611	2.5	mR/hr
ARM-RIS-14	45.	mR/hr	OG-RIS-612	2.0	mR/hr
ARM-RIS-15	3.0	mR/hr	PSR-RI-507	75.	mR/hr
ARM-RIS-16	5.2	mR/hr	PSR-RI-665	0.07	R/hr
ARM-RIS-17	10.	mR/hr	PSR-RI-704	75.	mR/hr
ARM-RIS-18	1.0	mR/hr	RCC-RIS-607	2.1E5	cps
ARM-RIS-19	1.0	mR/hr	REA-RIS-19	1200.	cpm
ARM-RIS-20	5.0	mR/hr	REA-RIS-19A	1.8	pmu
ARM-RIS-21	4.0	mR/hr	REA-RIS-609A	4.9	mR/hr
ARM-RIS-22	6.0	mR/hr	REA-RIS-609B	4.6	mR/hr
ARM-RIS-23	8.2	mR/hr	REA-RIS-609C	3.8	mR/hr
ARM-RIS-24	7.3	mR/hr	REA-RIS-609D	3.5	mR/hr
ARM-RIS-25	4.0	mR/hr	RRA-RIS-1	OSH	cpm
ARM-RIS-26	3.0	mR/hr	RRA-RIS-2	1.8E4	cpm
ARM-RIS-27	6.0	mR/hr	RRA-RIS-3	OSH	cpm
ARM-RIS-28	8.0	mR/hr	SW-RIS-604	4.2	cps
ARM-RIS-29	50.	mR/hr	SW-RIS-605	5.9	cps
ARM-RIS-30	3.0	mR/hr	TEA-RIS-13	130.	cpm
ARM-RIS-32	0.1	R/hr	TEA-RIS-13A	1.8	pmu
ARM-RIS-33	0.1	R/hr	TRA-RIS-1	110.	cpm
ARM-RIS-34	0.1	R/hr	WEA-RIS-14	46.	cpm
CMS-RIS-12/1A	4.0E5	cpm	WEA-RIS-14A	1.4	pmu
CMS-RIS-12/1B	4.0E5	cpm	WOA-RIS-31A	28.	cpm
CMS-RIS-12/3A	7.1E6	cpm	WOA-RIS-31B	18.	cpm
CMS-RIS-12/3B	7.1E6	cpm	WOA-RIS-32A	27.	cpm
CMS-RIS-27A	0.01	R/hr	WOA-RIS-32B	55.	cpm
CMS-RIS-27B	0.01	R/hr	WRA-RIS-1	410.	cpm
CMS-RIS-27C	0.02	R/hr	WRA-RIS-2	300.	cpm

TABLE P9. k

RADIATION MONITORING SYSTEM DATA (T = 03:30) (10:30)

NOTE: 'OSH' = Offscale High

ALL MONITOR VALUES ARE 1 MINUTE AVERAGES

Monitor	value	units	Monitor	value	units
ARM-RIS-01	100.	mR/hr	CMS-RIS-27D	0.01	R/hr
ARM-RIS-02	5.4	mR/hr	CMS-RIS-27E	6.8	R/hr
ARM-RIS-03	100.	mR/hr	CMS-RIS-27F	16.	R/hr
ARM-RIS-3A	100.	mR/hr	FD-RIS-1	1300.	cpm
ARM-RIS-04	10.	mR/hr	FD-RIS-2	840.	cpm
ARM-RIS-05	10.	mR/hr	FD-RIS-3	2200.	cpm
ARM-RIS-06	9.5	mR/hr	FDR-RIS-606	80.	cps
ARM-RIS-07	1.0	mR/hr	MS-RIS-610A	4.2	mR/hr
ARM-RIS-08	OSH	mR/hr	MS-RIS-610B	9.6	mR/hr
ARM-RIS-09	10.	mR/hr	MS-RIS-610C	16.	mR/hr
ARM-RIS-10	35.	mR/hr	MS-RIS-610D	3.5	mR/hr
ARM-RIS-11	5.2	mR/hr	OG-RIS-601A	120.	cpm
ARM-RIS-12	5.2	mR/hr	OG-RIS-601B	71.	cpm
ARM-RIS-13	5.2	mR/hr	OG-RIS-611	2.5	mR/hr
ARM-RIS-14	45.	mR/hr	OG-RIS-612	2.0	mR/hr
ARM-RIS-15	3.0	mR/hr	PSR-RI-507	69.	mR/hr
ARM-RIS-16	5.2	mR/hr	PSR-RI-665	0.07	R/hr
ARM-RIS-17	10.	mR/hr	PSR-RI-704	69.	mR/hr
ARM-RIS-18	1.0	mR/hr	RCC-RIS-607	2.0E5	cps
ARM-RIS-19	1.0	mR/hr	REA-RIS-19	1200.	cpm
ARM-RIS-20	5.0	mR/hr	REA-RIS-19A	1.8	pmu
ARM-RIS-21	4.0	mR/hr	REA-RIS-609A	4.7	mR/hr
ARM-RIS-22	6.0	mR/hr	REA-RIS-609B	4.5	mR/hr
ARM-RIS-23	8.2	mR/hr	REA-RIS-609C	3.7	mR/hr
ARM-RIS-24	7.3	mR/hr	REA-RIS-609D	3.4	mR/hr
ARM-RIS-25	4.0	mR/hr	RRA-RIS-1	OSH	cpm
ARM-RIS-26	3.0	mR/hr	RRA-RIS-2	1.7E4	cpm
ARM-RIS-27	6.0	mR/hr	RRA-RIS-3	OSH	cpm
ARM-RIS-28	8.0	mR/hr	SW-RIS-604	4.2	cps
ARM-RIS-29	50.	mR/hr	SW-RIS-605	5.9	cps
ARM-RIS-30	3.0	mR/hr	TEA-RIS-13	130.	cpm
ARM-RIS-32	0.1	R/hr	TEA-RIS-13A	1.8	pmu
ARM-RIS-33	0.1	R/hr	TRA-RIS-1	110.	cpm
ARM-RIS-34	0.1	R/hr	WEA-RIS-14	45.	cpm
CMS-RIS-12/1A	3.4E5	cpm	WEA-RIS-14A	1.4	pmu
CMS-RIS-12/1B	3.4E5	cpm	WOA-RIS-31A	28.	cpm
CMS-RIS-12/3A	6.9E6	cpm	WOA-RIS-31B	18.	cpm
CMS-RIS-12/3B	6.9E6	cpm	WOA-RIS-32A	27.	cpm
CMS-RIS-27A	0.01	R/hr	WOA-RIS-32B	55.	cpm
CMS-RIS-27B	0.01	R/hr	WRA-RIS-1	410.	cpm
CMS-RIS-27C	0.02	R/hr	WRA-RIS-2	300.	cpm

TABLE P9. 1

RADIATION MONITORING SYSTEM DATA (T = 03:45) (10:45)

NOTE: 'OSH' = Offscale High

ALL MONITOR VALUES ARE 1 MINUTE AVERAGES

Monitor	value	units	Monitor	value	units
ARM-RIS-01	100.	mR/hr	CMS-RIS-27D	0.01	R/hr
ARM-RIS-02	5.4	mR/hr	CMS-RIS-27E	6.6	R/hr
ARM-RIS-03	100.	mR/hr	CMS-RIS-27F	15.	R/hr
ARM-RIS-3A	100.	mR/hr	FD-RIS-1	1300.	cpm
ARM-RIS-04	10.	mR/hr	FD-RIS-2	830.	cpm
ARM-RIS-05	10.	mR/hr	FD-RIS-3	2200.	cpm
ARM-RIS-06	9.4	mR/hr	FDR-RIS-606	80.	cps
ARM-RIS-07	1.0	mR/hr	MS-RIS-610A	4.2	mR/hr
ARM-RIS-08	OSH	mR/hr	MS-RIS-610B	9.6	mR/hr
ARM-RIS-09	10.	mR/hr	MS-RIS-610C	16.	mR/hr
ARM-RIS-10	33.	mR/hr	MS-RIS-610D	3.5	mR/hr
ARM-RIS-11	5.2	mR/hr	OG-RIS-601A	120.	cpm
ARM-RIS-12	5.2	mR/hr	OG-RIS-601B	69.	cpm
ARM-RIS-13	5.2	mR/hr	OG-RIS-611	2.5	mR/hr
ARM-RIS-14	45.	mR/hr	OG-RIS-612	2.0	mR/hr
ARM-RIS-15	3.0	mR/hr	PSR-RI-507	65.	mR/hr
ARM-RIS-16	5.2	mR/hr	PSR-RI-665	0.06	R/hr
ARM-RIS-17	10.	mR/hr	PSR-RI-704	65.	mR/hr
ARM-RIS-18	1.0	mR/hr	RCC-RIS-607	1.9E5	cps
ARM-RIS-19	1.0	mR/hr	REA-RIS-19	1300.	cpm
ARM-RIS-20	5.0	mR/hr	REA-RIS-19A	1.8	pmu
ARM-RIS-21	4.0	mR/hr	REA-RIS-609A	4.6	mR/hr
ARM-RIS-22	6.0	mR/hr	REA-RIS-609B	4.4	mR/hr
ARM-RIS-23	8.2	mR/hr	REA-RIS-609C	3.6	mR/hr
ARM-RIS-24	7.3	mR/hr	REA-RIS-609D	3.3	mR/hr
ARM-RIS-25	4.0	mR/hr	RRA-RIS-1	OSH	cpm
ARM-RIS-26	3.0	mR/hr	RRA-RIS-2	1.7E4	cpm
ARM-RIS-27	6.0	mR/hr	RRA-RIS-3	OSH	cpm
ARM-RIS-28	8.0	mR/hr	SW-RIS-604	4.2	cps
ARM-RIS-29	50.	mR/hr	SW-RIS-605	5.9	cps
ARM-RIS-30	3.0	mR/hr	TEA-RIS-13	130.	cpm
ARM-RIS-32	0.1	R/hr	TEA-RIS-13A	1.8	pmu
ARM-RIS-33	0.1	R/hr	TRA-RIS-1	110.	cpm
ARM-RIS-34	0.1	R/hr	WEA-RIS-14	45.	cpm
CMS-RIS-12/1A	2.9E5	cpm	WEA-RIS-14A	1.4	pmu
CMS-RIS-12/1B	2.9E5	cpm	WOA-RIS-31A	28.	cpm
CMS-RIS-12/3A	6.8E6	cpm	WOA-RIS-31B	19.	cpm
CMS-RIS-12/3B	6.8E6	cpm	WOA-RIS-32A	27.	cpm
CMS-RIS-27A	0.01	R/hr	WOA-RIS-32B	56.	cpm
CMS-RIS-27B	0.01	R/hr	WRA-RIS-1	410.	cpm
CMS-RIS-27C	0.02	R/hr	WRA-RIS-2	300.	cpm

TABLE P9. m

RADIATION MONITORING SYSTEM DATA (T = 04:00) (11:00)

NOTE: 'OSH' = Offscale High

ALL MONITOR VALUES ARE 1 MINUTE AVERAGES

Monitor	value	units	Monitor	value	units
ARM-RIS-01	100.	mR/hr	CMS-RIS-27D	0.01	R/hr
ARM-RIS-02	5.4	mR/hr	CMS-RIS-27E	6.4	R/hr
ARM-RIS-03	100.	mR/hr	CMS-RIS-27F	14.	R/hr
ARM-RIS-3A	100.	mR/hr	FD-RIS-1	1300.	cpm
ARM-RIS-04	10.	mR/hr	FD-RIS-2	830.	cpm
ARM-RIS-05	10.	mR/hr	FD-RIS-3	2200.	cpm
ARM-RIS-06	9.3	mR/hr	FDR-RIS-606	80.	cps
ARM-RIS-07	1.0	mR/hr	MS-RIS-610A	4.2	mR/hr
ARM-RIS-08	OSH	mR/hr	MS-RIS-610B	9.6	mR/hr
ARM-RIS-09	10.	mR/hr	MS-RIS-610C	16.	mR/hr
ARM-RIS-10	31.	mR/hr	MS-RIS-610D	3.5	mR/hr
ARM-RIS-11	5.2	mR/hr	OG-RIS-601A	120.	cpm
ARM-RIS-12	5.2	mR/hr	OG-RIS-601B	67.	cpm
ARM-RIS-13	5.2	mR/hr	OG-RIS-611	2.5	mR/hr
ARM-RIS-14	45.	mR/hr	OG-RIS-612	2.0	mR/hr
ARM-RIS-15	3.0	mR/hr	PSR-RI-507	60.	mR/hr
ARM-RIS-16	5.2	mR/hr	PSR-RI-665	0.06	R/hr
ARM-RIS-17	10.	mR/hr	PSR-RI-704	60.	mR/hr
ARM-RIS-18	1.0	mR/hr	RCC-RIS-607	1.9E5	cps
ARM-RIS-19	1.0	mR/hr	REA-RIS-19	1300.	cpm
ARM-RIS-20	5.0	mR/hr	REA-RIS-19A	1.8	pmu
ARM-RIS-21	4.0	mR/hr	REA-RIS-609A	4.5	mR/hr
ARM-RIS-22	6.0	mR/hr	REA-RIS-609B	4.3	mR/hr
ARM-RIS-23	8.2	mR/hr	REA-RIS-609C	3.5	mR/hr
ARM-RIS-24	7.3	mR/hr	REA-RIS-609D	3.2	mR/hr
ARM-RIS-25	4.0	mR/hr	RRA-RIS-1	OSH	cpm
ARM-RIS-26	3.0	mR/hr	RRA-RIS-2	1.8E4	cpm
ARM-RIS-27	6.0	mR/hr	RRA-RIS-3	OSH	cpm
ARM-RIS-28	8.0	mR/hr	SW-RIS-604	4.2	cps
ARM-RIS-29	50.	mR/hr	SW-RIS-605	5.8	cps
ARM-RIS-30	3.0	mR/hr	TEA-RIS-13	130.	cpm
ARM-RIS-32	0.1	R/hr	TEA-RIS-13A	1.8	pmu
ARM-RIS-33	0.1	R/hr	TRA-RIS-1	110.	cpm
ARM-RIS-34	0.1	R/hr	WEA-RIS-14	45.	cpm
CMS-RIS-12/1A	2.5E5	cpm	WEA-RIS-14A	1.4	pmu
CMS-RIS-12/1B	2.5E5	cpm	WOA-RIS-31A	28.	cpm
CMS-RIS-12/3A	6.7E6	cpm	WOA-RIS-31B	19.	cpm
CMS-RIS-12/3B	6.7E6	cpm	WOA-RIS-32A	27.	cpm
CMS-RIS-27A	0.01	R/hr	WOA-RIS-32B	56.	cpm
CMS-RIS-27B	0.01	R/hr	WRA-RIS-1	410.	cpm
CMS-RIS-27C	0.02	R/hr	WRA-RIS-2	300.	cpm

TABLE P9. n

RADIATION MONITORING SYSTEM DATA (T = 04:15) (11:15)

NOTE: 'OSH' = Offscale High

ALL MONITOR VALUES ARE 1 MINUTE AVERAGES

Monitor	value	units	Monitor	value	units
ARM-RIS-01	100.	mR/hr	CMS-RIS-27D	0.01	R/hr
ARM-RIS-02	5.4	mR/hr	CMS-RIS-27E	6.3	R/hr
ARM-RIS-03	100.	mR/hr	CMS-RIS-27F	14.	R/hr
ARM-RIS-3A	100.	mR/hr	FD-RIS-1	1300.	cpm
ARM-RIS-04	10.	mR/hr	FD-RIS-2	830.	cpm
ARM-RIS-05	10.	mR/hr	FD-RIS-3	2200.	cpm
ARM-RIS-06	9.2	mR/hr	FDR-RIS-606	80.	cps
ARM-RIS-07	1.0	mR/hr	MS-RIS-610A	4.2	mR/hr
ARM-RIS-08	OSH	mR/hr	MS-RIS-610B	9.6	mR/hr
ARM-RIS-09	10.	mR/hr	MS-RIS-610C	16.	mR/hr
ARM-RIS-10	30.	mR/hr	MS-RIS-610D	3.5	mR/hr
ARM-RIS-11	5.2	mR/hr	OG-RIS-601A	120.	cpm
ARM-RIS-12	5.2	mR/hr	OG-RIS-601B	66.	cpm
ARM-RIS-13	5.2	mR/hr	OG-RIS-611	2.5	mR/hr
ARM-RIS-14	45.	mR/hr	OG-RIS-612	2.0	mR/hr
ARM-RIS-15	3.0	mR/hr	PSR-RI-507	56.	mR/hr
ARM-RIS-16	5.2	mR/hr	PSR-RI-665	0.06	R/hr
ARM-RIS-17	10.	mR/hr	PSR-RI-704	56.	mR/hr
ARM-RIS-18	1.0	mR/hr	RCC-RIS-607	1.8E5	cps
ARM-RIS-19	1.0	mR/hr	REA-RIS-19	1400.	cpm
ARM-RIS-20	5.0	mR/hr	REA-RIS-19A	1.8	pmu
ARM-RIS-21	4.0	mR/hr	REA-RIS-609A	4.4	mR/hr
ARM-RIS-22	6.0	mR/hr	REA-RIS-609B	4.2	mR/hr
ARM-RIS-23	8.2	mR/hr	REA-RIS-609C	3.5	mR/hr
ARM-RIS-24	7.3	mR/hr	REA-RIS-609D	3.2	mR/hr
ARM-RIS-25	4.0	mR/hr	RRA-RIS-1	OSH	cpm
ARM-RIS-26	3.0	mR/hr	RRA-RIS-2	1.8E4	cpm
ARM-RIS-27	6.0	mR/hr	RRA-RIS-3	OSH	cpm
ARM-RIS-28	8.0	mR/hr	SW-RIS-604	4.2	cps
ARM-RIS-29	50.	mR/hr	SW-RIS-605	5.8	cps
ARM-RIS-30	3.0	mR/hr	TEA-RIS-13	130.	cpm
ARM-RIS-32	0.1	R/hr	TEA-RIS-13A	1.8	pmu
ARM-RIS-33	0.1	R/hr	TRA-RIS-1	110.	cpm
ARM-RIS-34	0.1	R/hr	WEA-RIS-14	45.	cpm
CMS-RIS-12/1A	2.1E5	cpm	WEA-RIS-14A	1.4	pmu
CMS-RIS-12/1B	2.1E5	cpm	WOA-RIS-31A	29.	cpm
CMS-RIS-12/3A	6.6E6	cpm	WOA-RIS-31B	19.	cpm
CMS-RIS-12/3B	6.6E6	cpm	WOA-RIS-32A	27.	cpm
CMS-RIS-27A	0.01	R/hr	WOA-RIS-32B	56.	cpm
CMS-RIS-27B	0.01	R/hr	WRA-RIS-1	410.	cpm
CMS-RIS-27C	0.02	R/hr	WRA-RIS-2	300.	cpm

TABLE P9. o

RADIATION MONITORING SYSTEM DATA (T = 04:30) (11:30)

NOTE: 'OSH' = Offscale High

ALL MONITOR VALUES ARE 1 MINUTE AVERAGES

Monitor	value	units	Monitor	value	units
ARM-RIS-01	100.	mR/hr	CMS-RIS-27D	0.01	R/hr
ARM-RIS-02	5.4	mR/hr	CMS-RIS-27E	6.2	R/hr
ARM-RIS-03	100.	mR/hr	CMS-RIS-27F	14.	R/hr
ARM-RIS-3A	100.	mR/hr	FD-RIS-1	1300.	cpm
ARM-RIS-04	10.	mR/hr	FD-RIS-2	830.	cpm
ARM-RIS-05	10.	mR/hr	FD-RIS-3	2100.	cpm
ARM-RIS-06	9.0	mR/hr	FDR-RIS-606	80.	cps
ARM-RIS-07	1.0	mR/hr	MS-RIS-610A	4.2	mR/hr
ARM-RIS-08	OSH	mR/hr	MS-RIS-610B	9.6	mR/hr
ARM-RIS-09	10.	mR/hr	MS-RIS-610C	16.	mR/hr
ARM-RIS-10	29.	mR/hr	MS-RIS-610D	3.5	mR/hr
ARM-RIS-11	5.2	mR/hr	OG-RIS-601A	120.	cpm
ARM-RIS-12	5.2	mR/hr	OG-RIS-601B	65.	cpm
ARM-RIS-13	5.2	mR/hr	OG-RIS-611	2.5	mR/hr
ARM-RIS-14	45.	mR/hr	OG-RIS-612	2.0	mR/hr
ARM-RIS-15	3.0	mR/hr	PSR-RI-507	53.	mR/hr
ARM-RIS-16	5.2	mR/hr	PSR-RI-665	0.05	R/hr
ARM-RIS-17	10.	mR/hr	PSR-RI-704	53.	mR/hr
ARM-RIS-18	1.0	mR/hr	RCC-RIS-607	1.8E5	cps
ARM-RIS-19	1.0	mR/hr	REA-RIS-19	1400.	cpm
ARM-RIS-20	5.0	mR/hr	REA-RIS-19A	1.8	pmu
ARM-RIS-21	4.0	mR/hr	REA-RIS-609A	4.3	mR/hr
ARM-RIS-22	6.0	mR/hr	REA-RIS-609B	4.1	mR/hr
ARM-RIS-23	8.2	mR/hr	REA-RIS-609C	3.4	mR/hr
ARM-RIS-24	7.3	mR/hr	REA-RIS-609D	3.1	mR/hr
ARM-RIS-25	4.0	mR/hr	RRA-RIS-1	OSH	cpm
ARM-RIS-26	3.0	mR/hr	RRA-RIS-2	1.8E4	cpm
ARM-RIS-27	6.0	mR/hr	RRA-RIS-3	OSH	cpm
ARM-RIS-28	8.0	mR/hr	SW-RIS-604	4.2	cps
ARM-RIS-29	50.	mR/hr	SW-RIS-605	5.8	cps
ARM-RIS-30	3.0	mR/hr	TEA-RIS-13	130.	cpm
ARM-RIS-32	0.1	R/hr	TEA-RIS-13A	1.8	pmu
ARM-RIS-33	0.1	R/hr	TRA-RIS-1	110.	cpm
ARM-RIS-34	0.1	R/hr	WEA-RIS-14	45.	cpm
CMS-RIS-12/1A	1.8E5	cpm	WEA-RIS-14A	1.4	pmu
CMS-RIS-12/1B	1.8E5	cpm	WOA-RIS-31A	29.	cpm
CMS-RIS-12/3A	6.5E6	cpm	WOA-RIS-31B	19.	cpm
CMS-RIS-12/3B	6.5E6	cpm	WOA-RIS-32A	28.	cpm
CMS-RIS-27A	0.01	R/hr	WOA-RIS-32B	56.	cpm
CMS-RIS-27B	0.01	R/hr	WRA-RIS-1	410.	cpm
CMS-RIS-27C	0.02	R/hr	WRA-RIS-2	300.	cpm

TABLE P9. p

RADIATION MONITORING SYSTEM DATA (T = 05:00) (12:00)

NOTE: 'OSH' = Offscale High

ALL MONITOR VALUES ARE 1 MINUTE AVERAGES

Monitor	value	units	Monitor	value	units
ARM-RIS-01	100.	mR/hr	CMS-RIS-27D	0.01	R/hr
ARM-RIS-02	5.4	mR/hr	CMS-RIS-27E	6.0	R/hr
ARM-RIS-03	100.	mR/hr	CMS-RIS-27F	13.	R/hr
ARM-RIS-3A	100.	mR/hr	FD-RIS-1	1300.	cpm
ARM-RIS-04	10.	mR/hr	FD-RIS-2	830.	cpm
ARM-RIS-05	10.	mR/hr	FD-RIS-3	2100.	cpm
ARM-RIS-06	8.9	mR/hr	FDR-RIS-606	80.	cps
ARM-RIS-07	1.0	mR/hr	MS-RIS-610A	4.2	mR/hr
ARM-RIS-08	OSH	mR/hr	MS-RIS-610B	9.6	mR/hr
ARM-RIS-09	10.	mR/hr	MS-RIS-610C	16.	mR/hr
ARM-RIS-10	26.	mR/hr	MS-RIS-610D	3.5	mR/hr
ARM-RIS-11	5.2	mR/hr	OG-RIS-601A	120.	cpm
ARM-RIS-12	5.2	mR/hr	OG-RIS-601B	63.	cpm
ARM-RIS-13	5.2	mR/hr	OG-RIS-611	2.5	mR/hr
ARM-RIS-14	45.	mR/hr	OG-RIS-612	2.0	mR/hr
ARM-RIS-15	3.0	mR/hr	PSR-RI-507	46.	mR/hr
ARM-RIS-16	5.2	mR/hr	PSR-RI-665	0.05	R/hr
ARM-RIS-17	10.	mR/hr	PSR-RI-704	46.	mR/hr
ARM-RIS-18	1.0	mR/hr	RCC-RIS-607	1.7E5	cps
ARM-RIS-19	1.0	mR/hr	REA-RIS-19	1500.	cpm
ARM-RIS-20	5.0	mR/hr	REA-RIS-19A	1.8	pmu
ARM-RIS-21	4.0	mR/hr	REA-RIS-609A	4.2	mR/hr
ARM-RIS-22	6.0	mR/hr	REA-RIS-609B	4.0	mR/hr
ARM-RIS-23	8.2	mR/hr	REA-RIS-609C	3.3	mR/hr
ARM-RIS-24	7.3	mR/hr	REA-RIS-609D	3.0	mR/hr
ARM-RIS-25	4.0	mR/hr	RRA-RIS-1	OSH	cpm
ARM-RIS-26	3.0	mR/hr	RRA-RIS-2	1.9E4	cpm
ARM-RIS-27	6.0	mR/hr	RRA-RIS-3	OSH	cpm
ARM-RIS-28	8.0	mR/hr	SW-RIS-604	4.2	cps
ARM-RIS-29	50.	mR/hr	SW-RIS-605	5.8	cps
ARM-RIS-30	3.0	mR/hr	TEA-RIS-13	130.	cpm
ARM-RIS-32	0.1	R/hr	TEA-RIS-13A	1.8	pmu
ARM-RIS-33	0.1	R/hr	TRA-RIS-1	110.	cpm
ARM-RIS-34	0.1	R/hr	WEA-RIS-14	45.	cpm
CMS-RIS-12/1A	1.3E5	cpm	WEA-RIS-14A	1.4	pmu
CMS-RIS-12/1B	1.4E5	cpm	WOA-RIS-31A	29.	cpm
CMS-RIS-12/3A	6.3E6	cpm	WOA-RIS-31B	20.	cpm
CMS-RIS-12/3B	6.3E6	cpm	WOA-RIS-32A	28.	cpm
CMS-RIS-27A	0.01	R/hr	WOA-RIS-32B	57.	cpm
CMS-RIS-27B	0.01	R/hr	WRA-RIS-1	410.	cpm
CMS-RIS-27C	0.02	R/hr	WRA-RIS-2	300.	cpm

TABLE P9. q

RADIATION MONITORING SYSTEM DATA (T = 05:30) (12:30)

NOTE: 'OSH' = Offscale High

ALL MONITOR VALUES ARE 1 MINUTE AVERAGES

Monitor	value	units	Monitor	value	units
ARM-RIS-01	100.	mR/hr	CMS-RIS-27D	0.01	R/hr
ARM-RIS-02	5.4	mR/hr	CMS-RIS-27E	5.9	R/hr
ARM-RIS-03	100.	mR/hr	CMS-RIS-27F	13.	R/hr
ARM-RIS-3A	100.	mR/hr	FD-RIS-1	1300.	cpm
ARM-RIS-04	10.	mR/hr	FD-RIS-2	830.	cpm
ARM-RIS-05	10.	mR/hr	FD-RIS-3	2100.	cpm
ARM-RIS-06	8.7	mR/hr	FDR-RIS-606	79.	cps
ARM-RIS-07	1.0	mR/hr	MS-RIS-610A	4.2	mR/hr
ARM-RIS-08	OSH	mR/hr	MS-RIS-610B	9.6	mR/hr
ARM-RIS-09	10.	mR/hr	MS-RIS-610C	16.	mR/hr
ARM-RIS-10	24.	mR/hr	MS-RIS-610D	3.5	mR/hr
ARM-RIS-11	5.2	mR/hr	OG-RIS-601A	110.	cpm
ARM-RIS-12	5.2	mR/hr	OG-RIS-601B	62.	cpm
ARM-RIS-13	5.2	mR/hr	OG-RIS-611	2.5	mR/hr
ARM-RIS-14	45.	mR/hr	OG-RIS-612	2.0	mR/hr
ARM-RIS-15	3.0	mR/hr	PSR-RI-507	40.	mR/hr
ARM-RIS-16	5.2	mR/hr	PSR-RI-665	0.04	R/hr
ARM-RIS-17	10.	mR/hr	PSR-RI-704	40.	mR/hr
ARM-RIS-18	1.0	mR/hr	RCC-RIS-607	1.6E5	cps
ARM-RIS-19	1.0	mR/hr	REA-RIS-19	1600.	cpm
ARM-RIS-20	5.0	mR/hr	REA-RIS-19A	1.8	pmu
ARM-RIS-21	4.0	mR/hr	REA-RIS-609A	4.0	mR/hr
ARM-RIS-22	6.0	mR/hr	REA-RIS-609B	3.9	mR/hr
ARM-RIS-23	8.2	mR/hr	REA-RIS-609C	3.2	mR/hr
ARM-RIS-24	7.3	mR/hr	REA-RIS-609D	2.9	mR/hr
ARM-RIS-25	4.0	mR/hr	RRA-RIS-1	OSH	cpm
ARM-RIS-26	3.0	mR/hr	RRA-RIS-2	1.9E4	cpm
ARM-RIS-27	6.0	mR/hr	RRA-RIS-3	OSH	cpm
ARM-RIS-28	8.0	mR/hr	SW-RIS-604	4.2	cps
ARM-RIS-29	50.	mR/hr	SW-RIS-605	5.8	cps
ARM-RIS-30	3.0	mR/hr	TEA-RIS-13	130.	cpm
ARM-RIS-32	0.1	R/hr	TEA-RIS-13A	1.8	pmu
ARM-RIS-33	0.1	R/hr	TRA-RIS-1	110.	cpm
ARM-RIS-34	0.1	R/hr	WEA-RIS-14	45.	cpm
CMS-RIS-12/1A	1.0E5	cpm	WEA-RIS-14A	1.4	pmu
CMS-RIS-12/1B	1.0E5	cpm	WOA-RIS-31A	29.	cpm
CMS-RIS-12/3A	6.2E6	cpm	WOA-RIS-31B	20.	cpm
CMS-RIS-12/3B	6.2E6	cpm	WOA-RIS-32A	28.	cpm
CMS-RIS-27A	0.01	R/hr	WOA-RIS-32B	57.	cpm
CMS-RIS-27B	0.01	R/hr	WRA-RIS-1	410.	cpm
CMS-RIS-27C	0.02	R/hr	WRA-RIS-2	300.	cpm

TABLE P9. r

RADIATION MONITORING SYSTEM DATA (T = 06:00) (13:00)

NOTE: 'OSH' = Offscale High

ALL MONITOR VALUES ARE 1 MINUTE AVERAGES

Monitor	value	units	Monitor	value	units
ARM-RIS-01	100.	mR/hr	CMS-RIS-27D	0.01	R/hr
ARM-RIS-02	5.4	mR/hr	CMS-RIS-27E	5.8	R/hr
ARM-RIS-03	100.	mR/hr	CMS-RIS-27F	13.	R/hr
ARM-RIS-3A	100.	mR/hr	FD-RIS-1	1300.	cpm
ARM-RIS-04	10.	mR/hr	FD-RIS-2	830.	cpm
ARM-RIS-05	10.	mR/hr	FD-RIS-3	2000.	cpm
ARM-RIS-06	8.5	mR/hr	FDR-RIS-606	79.	cps
ARM-RIS-07	1.0	mR/hr	MS-RIS-610A	4.2	mR/hr
ARM-RIS-08	OSH	mR/hr	MS-RIS-610B	9.6	mR/hr
ARM-RIS-09	10.	mR/hr	MS-RIS-610C	16.	mR/hr
ARM-RIS-10	23.	mR/hr	MS-RIS-610D	3.5	mR/hr
ARM-RIS-11	5.2	mR/hr	OG-RIS-601A	110.	cpm
ARM-RIS-12	5.2	mR/hr	OG-RIS-601B	60.	cpm
ARM-RIS-13	5.2	mR/hr	OG-RIS-611	2.5	mR/hr
ARM-RIS-14	45.	mR/hr	OG-RIS-612	2.0	mR/hr
ARM-RIS-15	3.0	mR/hr	PSR-RI-507	36.	mR/hr
ARM-RIS-16	5.2	mR/hr	PSR-RI-665	0.04	R/hr
ARM-RIS-17	10.	mR/hr	PSR-RI-704	36.	mR/hr
ARM-RIS-18	1.0	mR/hr	RCC-RIS-607	1.5E5	cps
ARM-RIS-19	1.0	mR/hr	REA-RIS-19	1600.	cpm
ARM-RIS-20	5.0	mR/hr	REA-RIS-19A	1.8	pmu
ARM-RIS-21	4.0	mR/hr	REA-RIS-609A	3.9	mR/hr
ARM-RIS-22	6.0	mR/hr	REA-RIS-609B	3.8	mR/hr
ARM-RIS-23	8.2	mR/hr	REA-RIS-609C	3.1	mR/hr
ARM-RIS-24	7.3	mR/hr	REA-RIS-609D	2.8	mR/hr
ARM-RIS-25	4.0	mR/hr	RRA-RIS-1	OSH	cpm
ARM-RIS-26	3.0	mR/hr	RRA-RIS-2	1.9E4	cpm
ARM-RIS-27	6.0	mR/hr	RRA-RIS-3	OSH	cpm
ARM-RIS-28	8.0	mR/hr	SW-RIS-604	4.2	cps
ARM-RIS-29	50.	mR/hr	SW-RIS-605	5.8	cps
ARM-RIS-30	3.0	mR/hr	TEA-RIS-13	130.	cpm
ARM-RIS-32	0.1	R/hr	TEA-RIS-13A	1.8	pmu
ARM-RIS-33	0.1	R/hr	TRA-RIS-1	110.	cpm
ARM-RIS-34	0.1	R/hr	WEA-RIS-14	45.	cpm
CMS-RIS-12/1A	8.3E4	cpm	WEA-RIS-14A	1.4	pmu
CMS-RIS-12/1B	8.3E4	cpm	WOA-RIS-31A	29.	cpm
CMS-RIS-12/3A	6.1E6	cpm	WOA-RIS-31B	20.	cpm
CMS-RIS-12/3B	6.1E6	cpm	WOA-RIS-32A	28.	cpm
CMS-RIS-27A	0.01	R/hr	WOA-RIS-32B	57.	cpm
CMS-RIS-27B	0.01	R/hr	WRA-RIS-1	410.	cpm
CMS-RIS-27C	0.02	R/hr	WRA-RIS-2	300.	cpm

TABLE P9. s

RADIATION MONITORING SYSTEM DATA (T = 06:30) (13:30)

NOTE: 'OSH' = Offscale High

ALL MONITOR VALUES ARE 1 MINUTE AVERAGES

Monitor	value	units	Monitor	value	units
ARM-RIS-01	100.	mR/hr	CMS-RIS-27D	0.01	R/hr
ARM-RIS-02	5.4	mR/hr	CMS-RIS-27E	5.7	R/hr
ARM-RIS-03	100.	mR/hr	CMS-RIS-27F	12.	R/hr
ARM-RIS-3A	100.	mR/hr	FD-RIS-1	1300.	cpm
ARM-RIS-04	10.	mR/hr	FD-RIS-2	830.	cpm
ARM-RIS-05	10.	mR/hr	FD-RIS-3	2000.	cpm
ARM-RIS-06	8.4	mR/hr	FDR-RIS-606	79.	cps
ARM-RIS-07	1.0	mR/hr	MS-RIS-610A	4.2	mR/hr
ARM-RIS-08	OSH	mR/hr	MS-RIS-610B	9.6	mR/hr
ARM-RIS-09	10.	mR/hr	MS-RIS-610C	16.	mR/hr
ARM-RIS-10	21.	mR/hr	MS-RIS-610D	3.5	mR/hr
ARM-RIS-11	5.2	mR/hr	OG-RIS-601A	110.	cpm
ARM-RIS-12	5.2	mR/hr	OG-RIS-601B	60.	cpm
ARM-RIS-13	5.2	mR/hr	OG-RIS-611	2.5	mR/hr
ARM-RIS-14	45.	mR/hr	OG-RIS-612	2.0	mR/hr
ARM-RIS-15	3.0	mR/hr	PSR-RI-507	31.	mR/hr
ARM-RIS-16	5.2	mR/hr	PSR-RI-665	0.03	R/hr
ARM-RIS-17	10.	mR/hr	PSR-RI-704	31.	mR/hr
ARM-RIS-18	1.0	mR/hr	RCC-RIS-607	1.4E5	cps
ARM-RIS-19	1.0	mR/hr	REA-RIS-19	1700.	cpm
ARM-RIS-20	5.0	mR/hr	REA-RIS-19A	1.8	pmu
ARM-RIS-21	4.0	mR/hr	REA-RIS-609A	3.8	mR/hr
ARM-RIS-22	6.0	mR/hr	REA-RIS-609B	3.7	mR/hr
ARM-RIS-23	8.2	mR/hr	REA-RIS-609C	3.0	mR/hr
ARM-RIS-24	7.3	mR/hr	REA-RIS-609D	2.7	mR/hr
ARM-RIS-25	4.0	mR/hr	RRA-RIS-1	OSH	cpm
ARM-RIS-26	3.0	mR/hr	RRA-RIS-2	1.9E4	cpm
ARM-RIS-27	6.0	mR/hr	RRA-RIS-3	OSH	cpm
ARM-RIS-28	8.0	mR/hr	SW-RIS-604	4.2	cps
ARM-RIS-29	50.	mR/hr	SW-RIS-605	5.8	cps
ARM-RIS-30	3.0	mR/hr	TEA-RIS-13	130.	cpm
ARM-RIS-32	0.1	R/hr	TEA-RIS-13A	1.8	pmu
ARM-RIS-33	0.1	R/hr	TRA-RIS-1	110.	cpm
ARM-RIS-34	0.1	R/hr	WEA-RIS-14	45.	cpm
CMS-RIS-12/1A	6.8E4	cpm	WEA-RIS-14A	1.4	pmu
CMS-RIS-12/1B	6.8E4	cpm	WOA-RIS-31A	29.	cpm
CMS-RIS-12/3A	6.0E6	cpm	WOA-RIS-31B	20.	cpm
CMS-RIS-12/3B	6.0E6	cpm	WOA-RIS-32A	28.	cpm
CMS-RIS-27A	0.01	R/hr	WOA-RIS-32B	57.	cpm
CMS-RIS-27B	0.01	R/hr	WRA-RIS-1	410.	cpm
CMS-RIS-27C	0.02	R/hr	WRA-RIS-2	300.	cpm

TABLE P9. t

RADIATION MONITORING SYSTEM DATA (T = 07:00) (14:00)

NOTE: 'OSH' = Offscale High

ALL MONITOR VALUES ARE 1 MINUTE AVERAGES

Monitor	value	units	Monitor	value	units
ARM-RIS-01	100.	mR/hr	CMS-RIS-27D	0.01	R/hr
ARM-RIS-02	5.4	mR/hr	CMS-RIS-27E	5.6	R/hr
ARM-RIS-03	100.	mR/hr	CMS-RIS-27F	12.	R/hr
ARM-RIS-3A	100.	mR/hr	FD-RIS-1	1300.	cpm
ARM-RIS-04	10.	mR/hr	FD-RIS-2	830.	cpm
ARM-RIS-05	10.	mR/hr	FD-RIS-3	2000.	cpm
ARM-RIS-06	8.3	mR/hr	FDR-RIS-606	79.	cps
ARM-RIS-07	1.0	mR/hr	MS-RIS-610A	4.2	mR/hr
ARM-RIS-08	OSH	mR/hr	MS-RIS-610B	9.6	mR/hr
ARM-RIS-09	10.	mR/hr	MS-RIS-610C	16.	mR/hr
ARM-RIS-10	20.	mR/hr	MS-RIS-610D	3.5	mR/hr
ARM-RIS-11	5.2	mR/hr	OG-RIS-601A	110.	cpm
ARM-RIS-12	5.2	mR/hr	OG-RIS-601B	59.	cpm
ARM-RIS-13	5.2	mR/hr	OG-RIS-611	2.5	mR/hr
ARM-RIS-14	45.	mR/hr	OG-RIS-612	2.0	mR/hr
ARM-RIS-15	3.0	mR/hr	PSR-RI-507	27.	mR/hr
ARM-RIS-16	5.2	mR/hr	PSR-RI-665	0.03	R/hr
ARM-RIS-17	10.	mR/hr	PSR-RI-704	27.	mR/hr
ARM-RIS-18	1.0	mR/hr	RCC-RIS-607	1.4E5	cps
ARM-RIS-19	1.0	mR/hr	REA-RIS-19	1700.	cpm
ARM-RIS-20	5.0	mR/hr	REA-RIS-19A	1.8	pmu
ARM-RIS-21	4.0	mR/hr	REA-RIS-609A	3.7	mR/hr
ARM-RIS-22	6.0	mR/hr	REA-RIS-609B	3.6	mR/hr
ARM-RIS-23	8.2	mR/hr	REA-RIS-609C	2.9	mR/hr
ARM-RIS-24	7.3	mR/hr	REA-RIS-609D	2.7	mR/hr
ARM-RIS-25	4.0	mR/hr	RRA-RIS-1	OSH	cpm
ARM-RIS-26	3.0	mR/hr	RRA-RIS-2	1.9E4	cpm
ARM-RIS-27	6.0	mR/hr	RRA-RIS-3	OSH	cpm
ARM-RIS-28	8.0	mR/hr	SW-RIS-604	4.2	cps
ARM-RIS-29	50.	mR/hr	SW-RIS-605	5.8	cps
ARM-RIS-30	3.0	mR/hr	TEA-RIS-13	130.	cpm
ARM-RIS-32	0.1	R/hr	TEA-RIS-13A	1.8	pmu
ARM-RIS-33	0.1	R/hr	TRA-RIS-1	110.	cpm
ARM-RIS-34	0.1	R/hr	WEA-RIS-14	45.	cpm
CMS-RIS-12/1A	5.8E4	cpm	WEA-RIS-14A	1.4	pmu
CMS-RIS-12/1B	5.8E4	cpm	WOA-RIS-31A	29.	cpm
CMS-RIS-12/3A	5.9E6	cpm	WOA-RIS-31B	20.	cpm
CMS-RIS-12/3B	5.9E6	cpm	WOA-RIS-32A	28.	cpm
CMS-RIS-27A	0.01	R/hr	WOA-RIS-32B	57.	cpm
CMS-RIS-27B	0.01	R/hr	WRA-RIS-1	410.	cpm
CMS-RIS-27C	0.02	R/hr	WRA-RIS-2	300.	cpm

TABLE P9. u

RADIATION MONITORING SYSTEM DATA (T = 07:30) (14:30)

NOTE: 'OSH' = Offscale High

ALL MONITOR VALUES ARE 1 MINUTE AVERAGES

Monitor	value	units	Monitor	value	units
ARM-RIS-01	100.	mR/hr	CMS-RIS-27D	0.01	R/hr
ARM-RIS-02	5.4	mR/hr	CMS-RIS-27E	5.5	R/hr
ARM-RIS-03	100.	mR/hr	CMS-RIS-27F	12.	R/hr
ARM-RIS-3A	100.	mR/hr	FD-RIS-1	1300.	cpm
ARM-RIS-04	10.	mR/hr	FD-RIS-2	830.	cpm
ARM-RIS-05	10.	mR/hr	FD-RIS-3	1900.	cpm
ARM-RIS-06	8.2	mR/hr	FDR-RIS-606	79.	cps
ARM-RIS-07	1.0	mR/hr	MS-RIS-610A	4.2	mR/hr
ARM-RIS-08	OSH	mR/hr	MS-RIS-610B	9.5	mR/hr
ARM-RIS-09	10.	mR/hr	MS-RIS-610C	16.	mR/hr
ARM-RIS-10	19.	mR/hr	MS-RIS-610D	3.4	mR/hr
ARM-RIS-11	5.2	mR/hr	OG-RIS-601A	110.	cpm
ARM-RIS-12	5.2	mR/hr	OG-RIS-601B	58.	cpm
ARM-RIS-13	5.2	mR/hr	OG-RIS-611	2.5	mR/hr
ARM-RIS-14	45.	mR/hr	OG-RIS-612	2.0	mR/hr
ARM-RIS-15	3.0	mR/hr	PSR-RI-507	24.	mR/hr
ARM-RIS-16	5.2	mR/hr	PSR-RI-665	0.02	R/hr
ARM-RIS-17	10.	mR/hr	PSR-RI-704	24.	mR/hr
ARM-RIS-18	1.0	mR/hr	RCC-RIS-607	1.3E5	cps
ARM-RIS-19	1.0	mR/hr	REA-RIS-19	1700.	cpm
ARM-RIS-20	5.0	mR/hr	REA-RIS-19A	1.8	pmu
ARM-RIS-21	4.0	mR/hr	REA-RIS-609A	3.6	mR/hr
ARM-RIS-22	6.0	mR/hr	REA-RIS-609B	3.5	mR/hr
ARM-RIS-23	8.2	mR/hr	REA-RIS-609C	2.8	mR/hr
ARM-RIS-24	7.3	mR/hr	REA-RIS-609D	2.6	mR/hr
ARM-RIS-25	4.0	mR/hr	RRA-RIS-1	OSH	cpm
ARM-RIS-26	3.0	mR/hr	RRA-RIS-2	1.8E4	cpm
ARM-RIS-27	6.0	mR/hr	RRA-RIS-3	OSH	cpm
ARM-RIS-28	8.0	mR/hr	SW-RIS-604	4.2	cps
ARM-RIS-29	50.	mR/hr	SW-RIS-605	5.8	cps
ARM-RIS-30	3.0	mR/hr	TEA-RIS-13	130.	cpm
ARM-RIS-32	0.1	R/hr	TEA-RIS-13A	1.8	pmu
ARM-RIS-33	0.1	R/hr	TRA-RIS-1	110.	cpm
ARM-RIS-34	0.1	R/hr	WEA-RIS-14	45.	cpm
CMS-RIS-12/1A	5.1E4	cpm	WEA-RIS-14A	1.4	pmu
CMS-RIS-12/1B	5.2E4	cpm	WOA-RIS-31A	28.	cpm
CMS-RIS-12/3A	5.8E6	cpm	WOA-RIS-31B	20.	cpm
CMS-RIS-12/3B	5.8E6	cpm	WOA-RIS-32A	28.	cpm
CMS-RIS-27A	0.01	R/hr	WOA-RIS-32B	57.	cpm
CMS-RIS-27B	0.01	R/hr	WRA-RIS-1	410.	cpm
CMS-RIS-27C	0.02	R/hr	WRA-RIS-2	300.	cpm

TABLE P9. v

RADIATION MONITORING SYSTEM DATA (T = 08:00) (15:00)

NOTE: 'OSH' = Offscale High

ALL MONITOR VALUES ARE 1 MINUTE AVERAGES

Monitor	value	units	Monitor	value	units
ARM-RIS-01	100.	mR/hr	CMS-RIS-27D	0.01	R/hr
ARM-RIS-02	5.4	mR/hr	CMS-RIS-27E	5.5	R/hr
ARM-RIS-03	100.	mR/hr	CMS-RIS-27F	12.	R/hr
ARM-RIS-3A	100.	mR/hr	FD-RIS-1	1300.	cpm
ARM-RIS-04	10.	mR/hr	FD-RIS-2	830.	cpm
ARM-RIS-05	10.	mR/hr	FD-RIS-3	1900.	cpm
ARM-RIS-06	8.1	mR/hr	FDR-RIS-606	79.	cps
ARM-RIS-07	1.0	mR/hr	MS-RIS-610A	4.2	mR/hr
ARM-RIS-08	OSH	mR/hr	MS-RIS-610B	9.5	mR/hr
ARM-RIS-09	10.	mR/hr	MS-RIS-610C	16.	mR/hr
ARM-RIS-10	18.	mR/hr	MS-RIS-610D	3.4	mR/hr
ARM-RIS-11	5.2	mR/hr	OG-RIS-601A	110.	cpm
ARM-RIS-12	5.2	mR/hr	OG-RIS-601B	57.	cpm
ARM-RIS-13	5.2	mR/hr	OG-RIS-611	2.5	mR/hr
ARM-RIS-14	45.	mR/hr	OG-RIS-612	2.0	mR/hr
ARM-RIS-15	3.0	mR/hr	PSR-RI-507	21.	mR/hr
ARM-RIS-16	5.2	mR/hr	PSR-RI-665	0.02	R/hr
ARM-RIS-17	10.	mR/hr	PSR-RI-704	21.	mR/hr
ARM-RIS-18	1.0	mR/hr	RCC-RIS-607	1.3E5	cps
ARM-RIS-19	1.0	mR/hr	REA-RIS-19	1600.	cpm
ARM-RIS-20	5.0	mR/hr	REA-RIS-19A	1.8	pmu
ARM-RIS-21	4.0	mR/hr	REA-RIS-609A	3.5	mR/hr
ARM-RIS-22	6.0	mR/hr	REA-RIS-609B	3.4	mR/hr
ARM-RIS-23	8.2	mR/hr	REA-RIS-609C	2.8	mR/hr
ARM-RIS-24	7.2	mR/hr	REA-RIS-609D	2.5	mR/hr
ARM-RIS-25	4.0	mR/hr	RRA-RIS-1	OSH	cpm
ARM-RIS-26	3.0	mR/hr	RRA-RIS-2	1.8E4	cpm
ARM-RIS-27	6.0	mR/hr	RRA-RIS-3	OSH	cpm
ARM-RIS-28	8.0	mR/hr	SW-RIS-604	4.2	cps
ARM-RIS-29	50.	mR/hr	SW-RIS-605	5.8	cps
ARM-RIS-30	3.0	mR/hr	TEA-RIS-13	130.	cpm
ARM-RIS-32	0.1	R/hr	TEA-RIS-13A	1.8	pmu
ARM-RIS-33	0.1	R/hr	TRA-RIS-1	110.	cpm
ARM-RIS-34	0.1	R/hr	WEA-RIS-14	45.	cpm
CMS-RIS-12/1A	4.6E4	cpm	WEA-RIS-14A	1.4	pmu
CMS-RIS-12/1B	4.7E4	cpm	WOA-RIS-31A	28.	cpm
CMS-RIS-12/3A	5.7E6	cpm	WOA-RIS-31B	20.	cpm
CMS-RIS-12/3B	5.7E6	cpm	WOA-RIS-32A	28.	cpm
CMS-RIS-27A	0.01	R/hr	WOA-RIS-32B	57.	cpm
CMS-RIS-27B	0.01	R/hr	WRA-RIS-1	410.	cpm
CMS-RIS-27C	0.02	R/hr	WRA-RIS-2	300.	cpm

WNP-2

Turbine Building
Elevation
441 feet to 453 feet

Ⓢ Survey Location

Radiation Monitor

Ⓟ Process Monitor

10 x 10 ft.

Water

Air

Steel/Equip

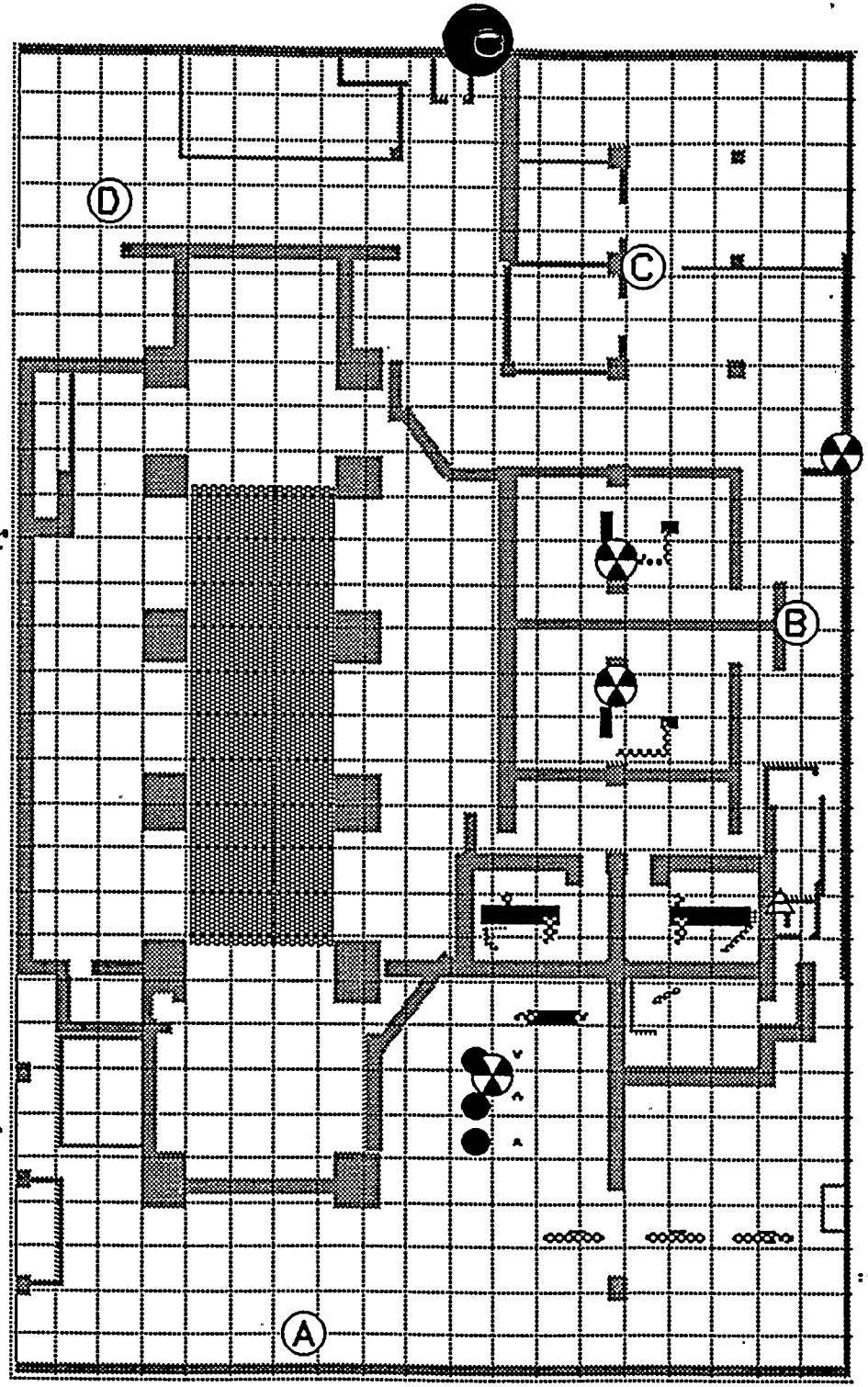
Turb./Gen.

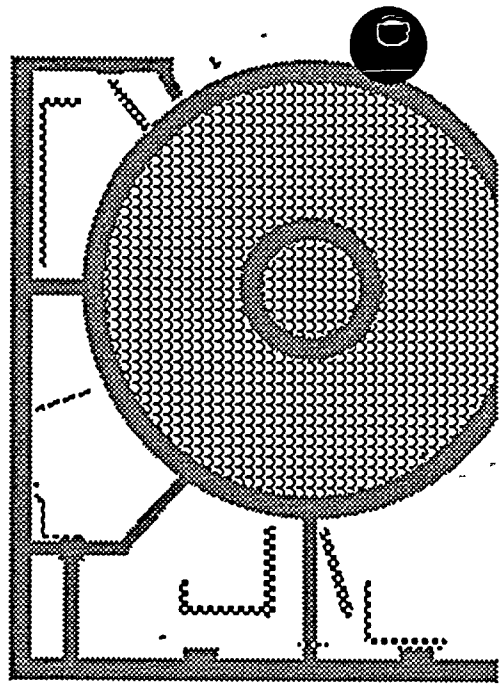
Steam/Cond.

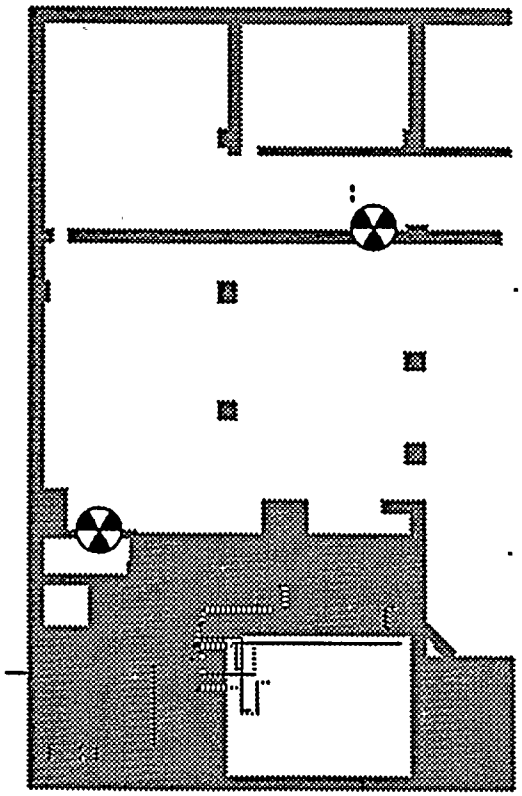
Concrete

Piping

Vent. Ducts

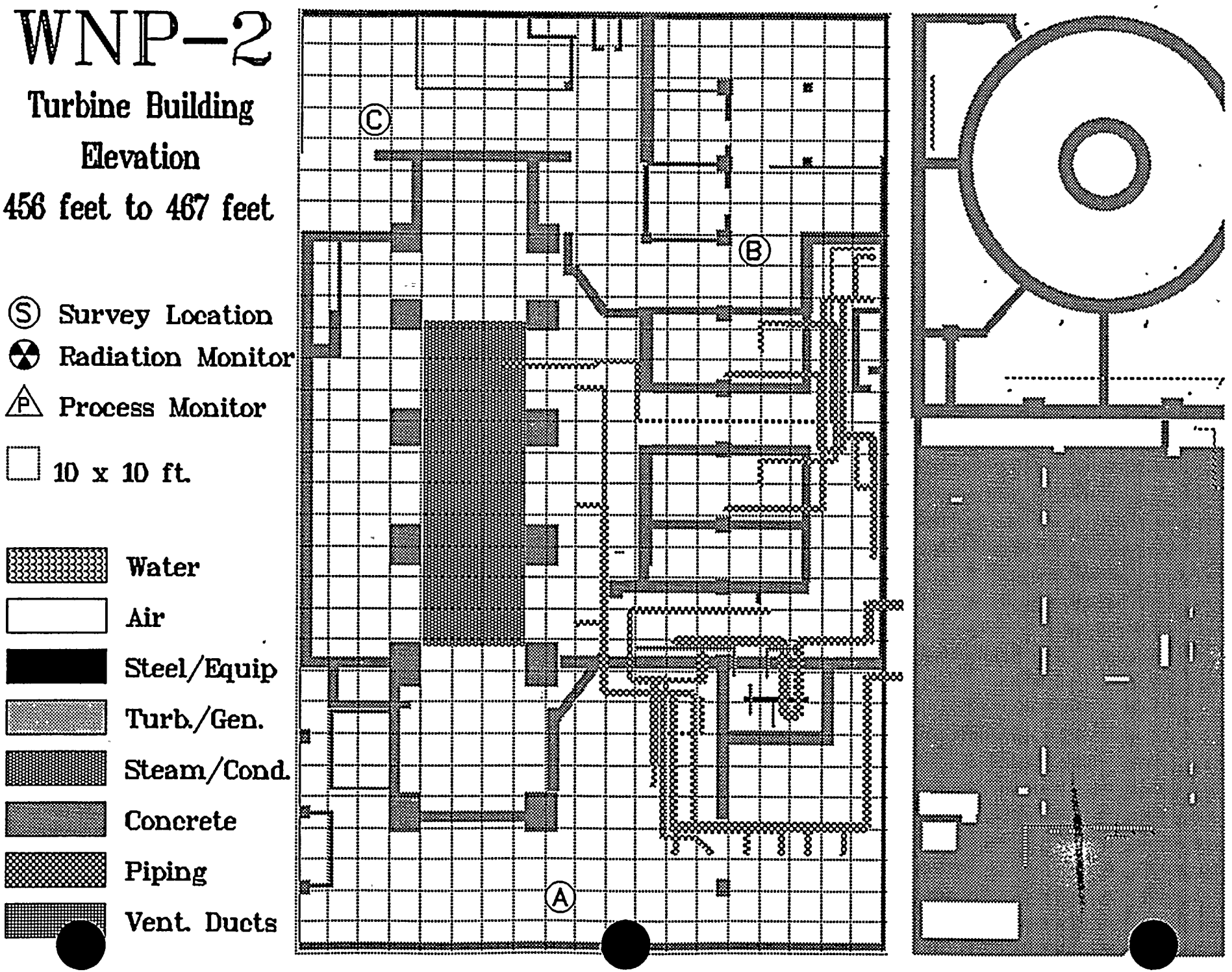






WNP-2

Turbine Building
Elevation
456 feet to 467 feet



WNP-2

Turbine Building
Elevation
471 feet to 495 feet

Ⓢ Survey Location

Radiation Monitor

Ⓟ Process Monitor

10 x 10 ft.

Water

Air

Steel/Equip

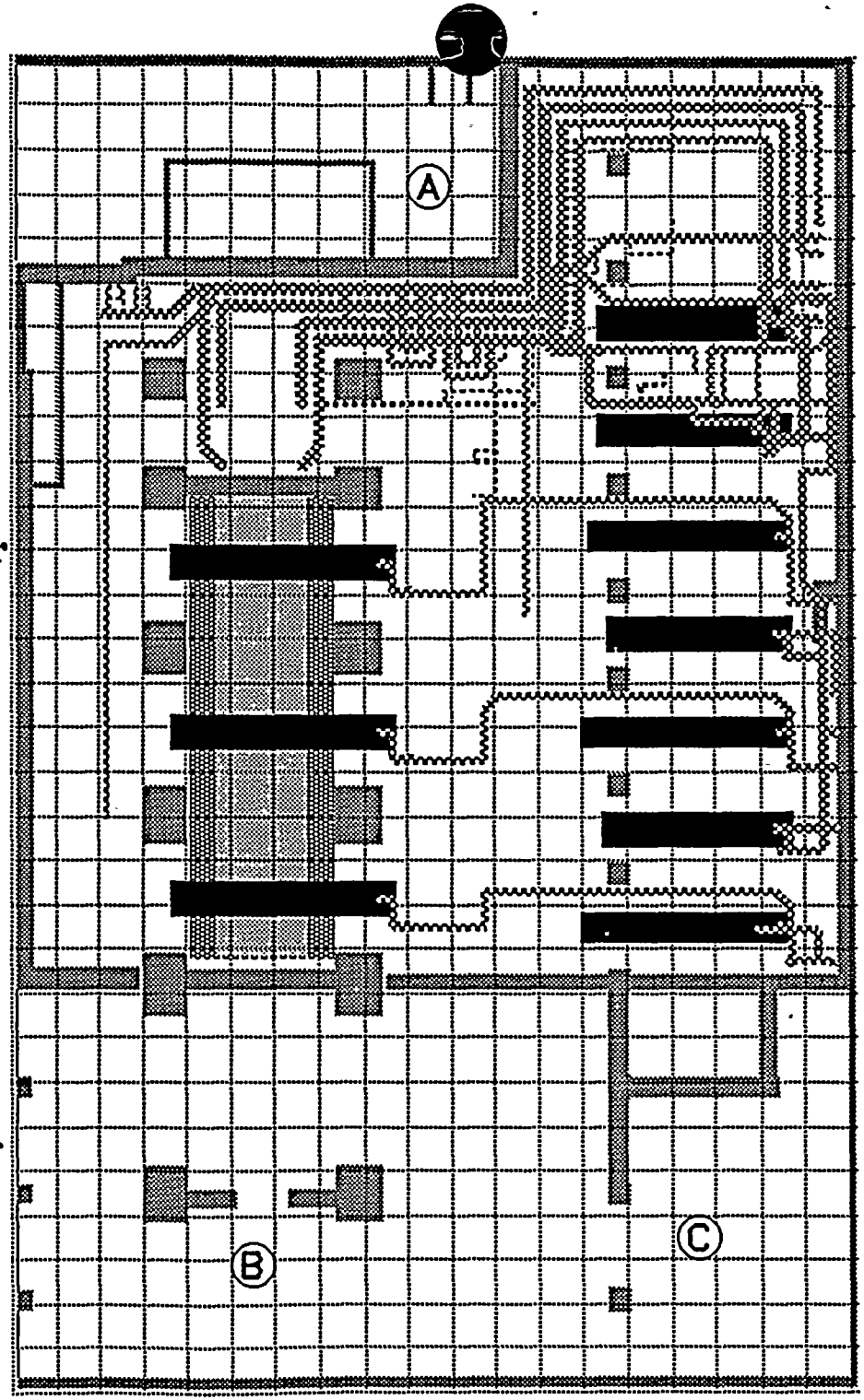
Turb./Gen.

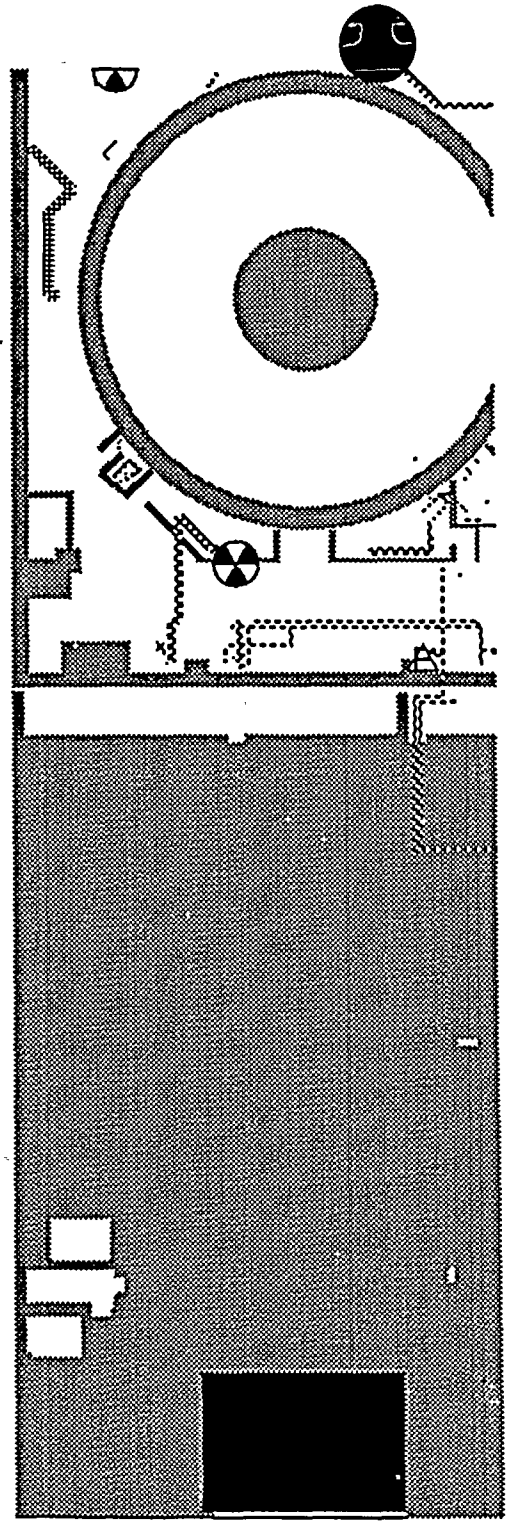
Steam/Cond.

Concrete

Piping

Vent. Ducts



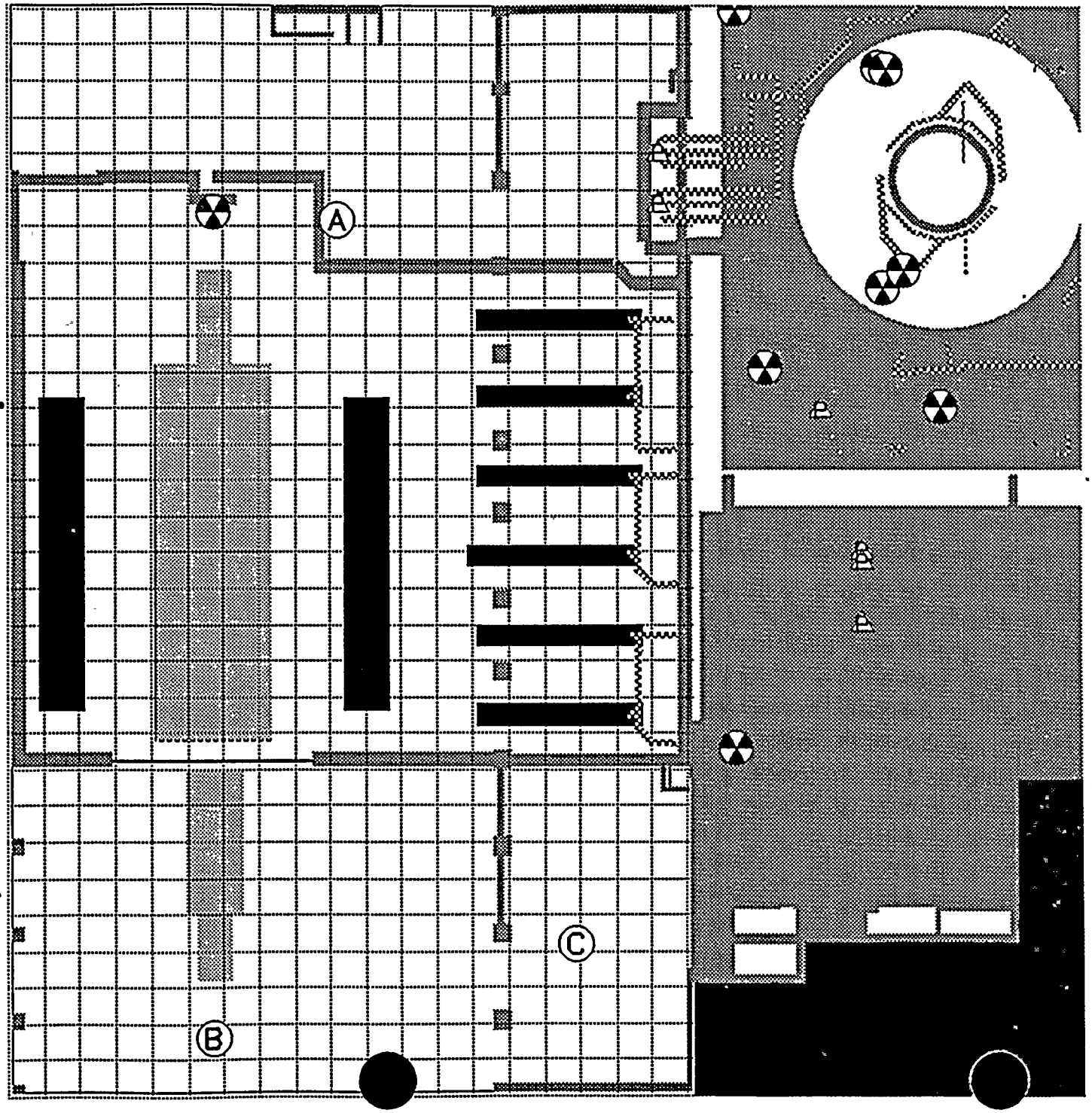


WNP-2

Turbine Building

Elevation

501 feet to 530 feet



Ⓢ Survey Location

Radiation Monitor

Ⓟ Process Monitor

10 x 10 ft.

Water

Air

Steel/Equip

Turb./Gen.

Steam/Cond.

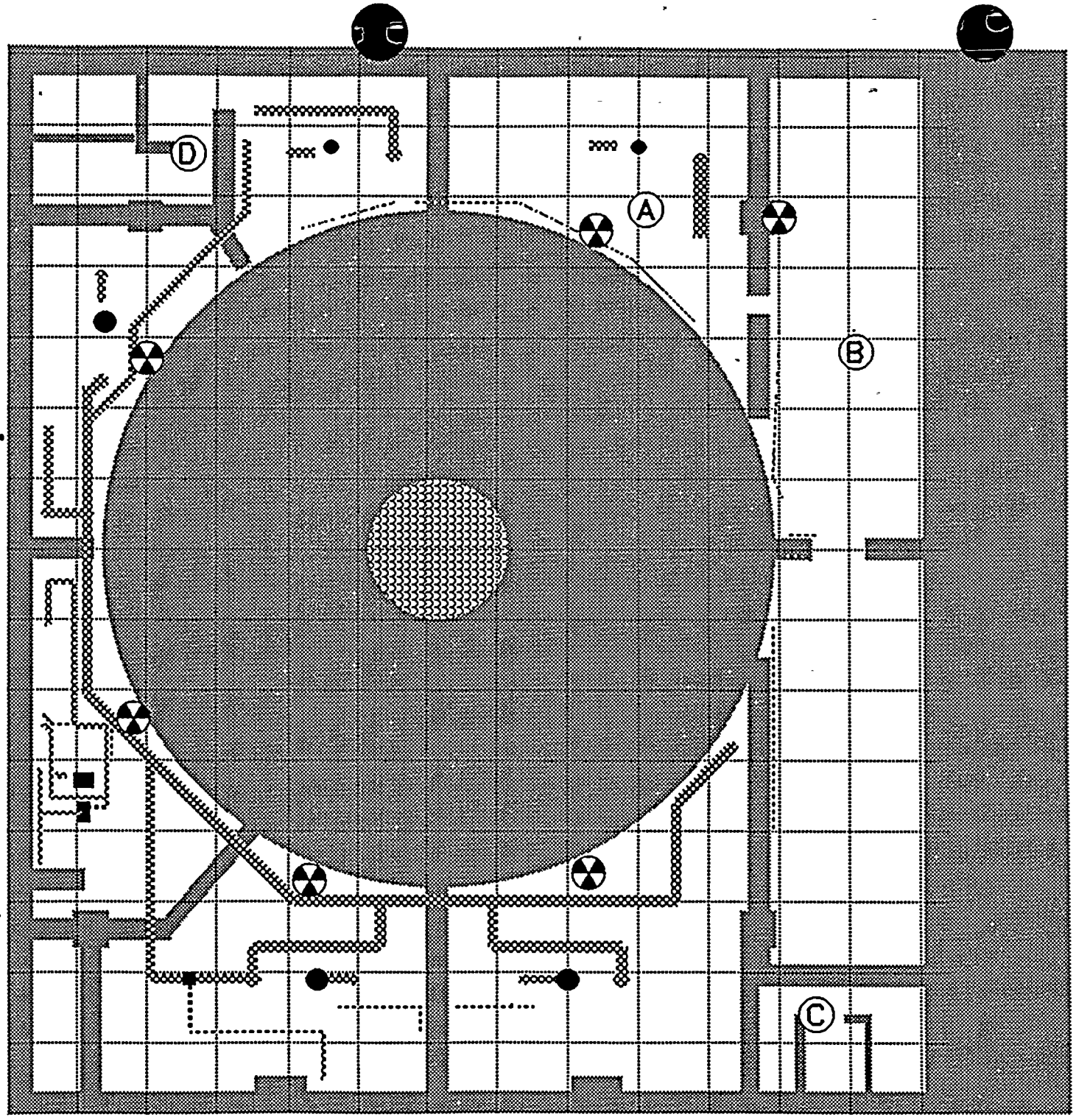
Concrete

Piping

Vent. Ducts

WNP-2

Reactor Building
Elevation
422 feet to 436 feet



Ⓢ Survey Location

Radiation Monitor

Ⓟ Process Monitor

10 x 10 ft.

Water

Air

Steel/Equip

Turb./Gen.

Steam/Cond.

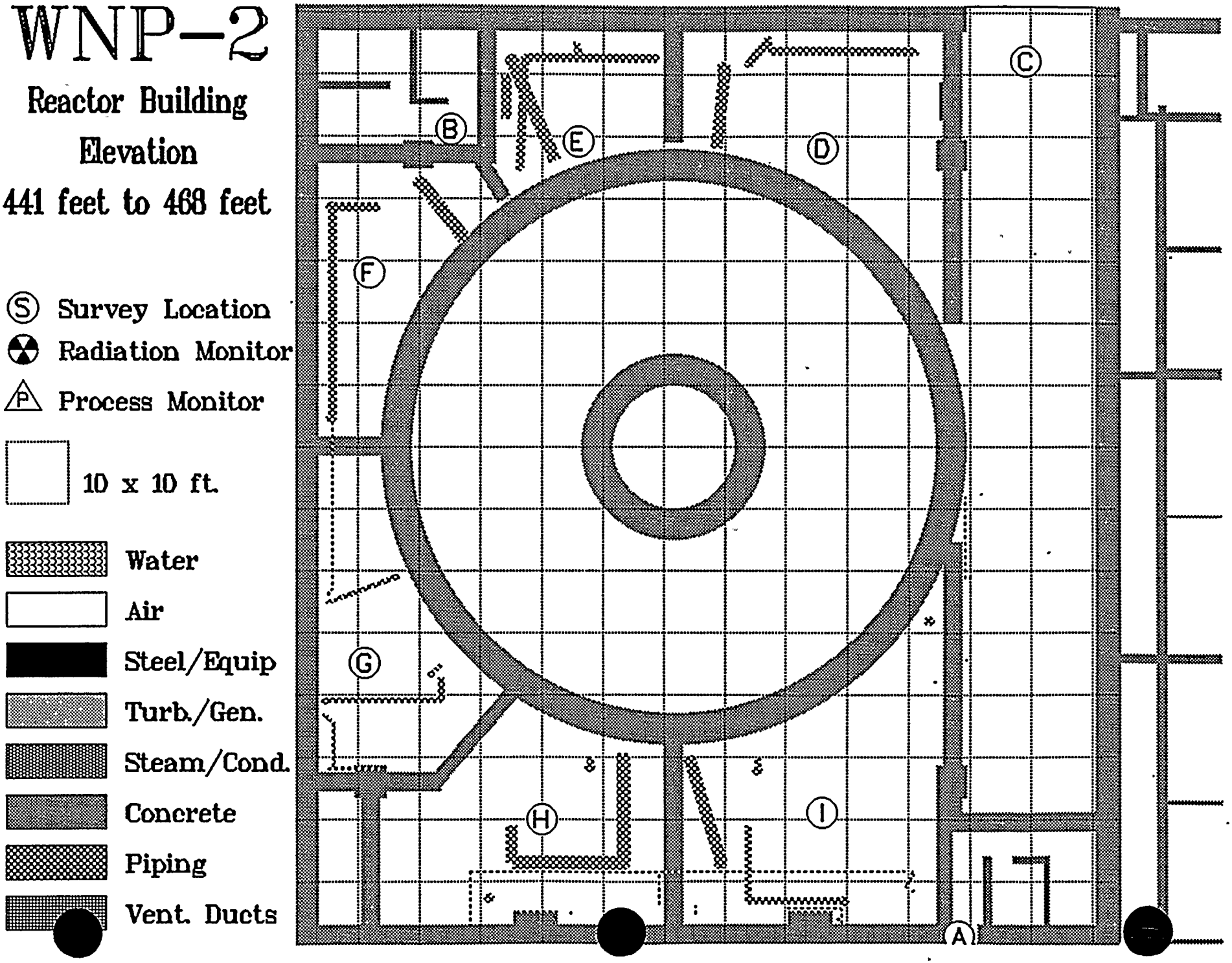
Concrete

Piping

Vent. Ducts

WNP-2

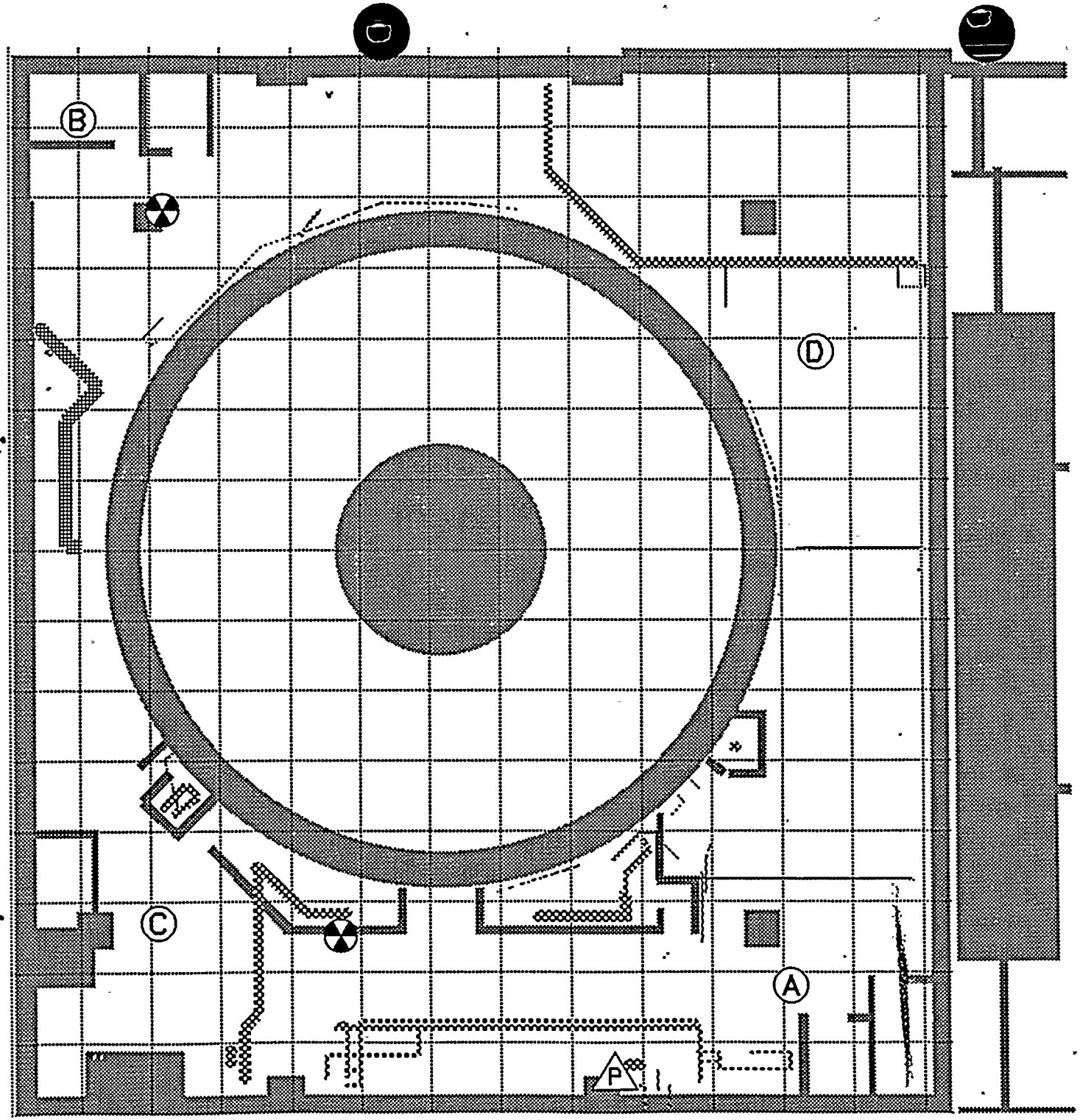
Reactor Building
Elevation
441 feet to 468 feet



WNP-2

Reactor Building Elevation

471 feet to 495 feet



Ⓢ Survey Location

Radiation Monitor

Ⓟ Process Monitor

10 x 10 ft.

Water

Air

Steel/Equip

Turb./Gen.

Steam/Cond.

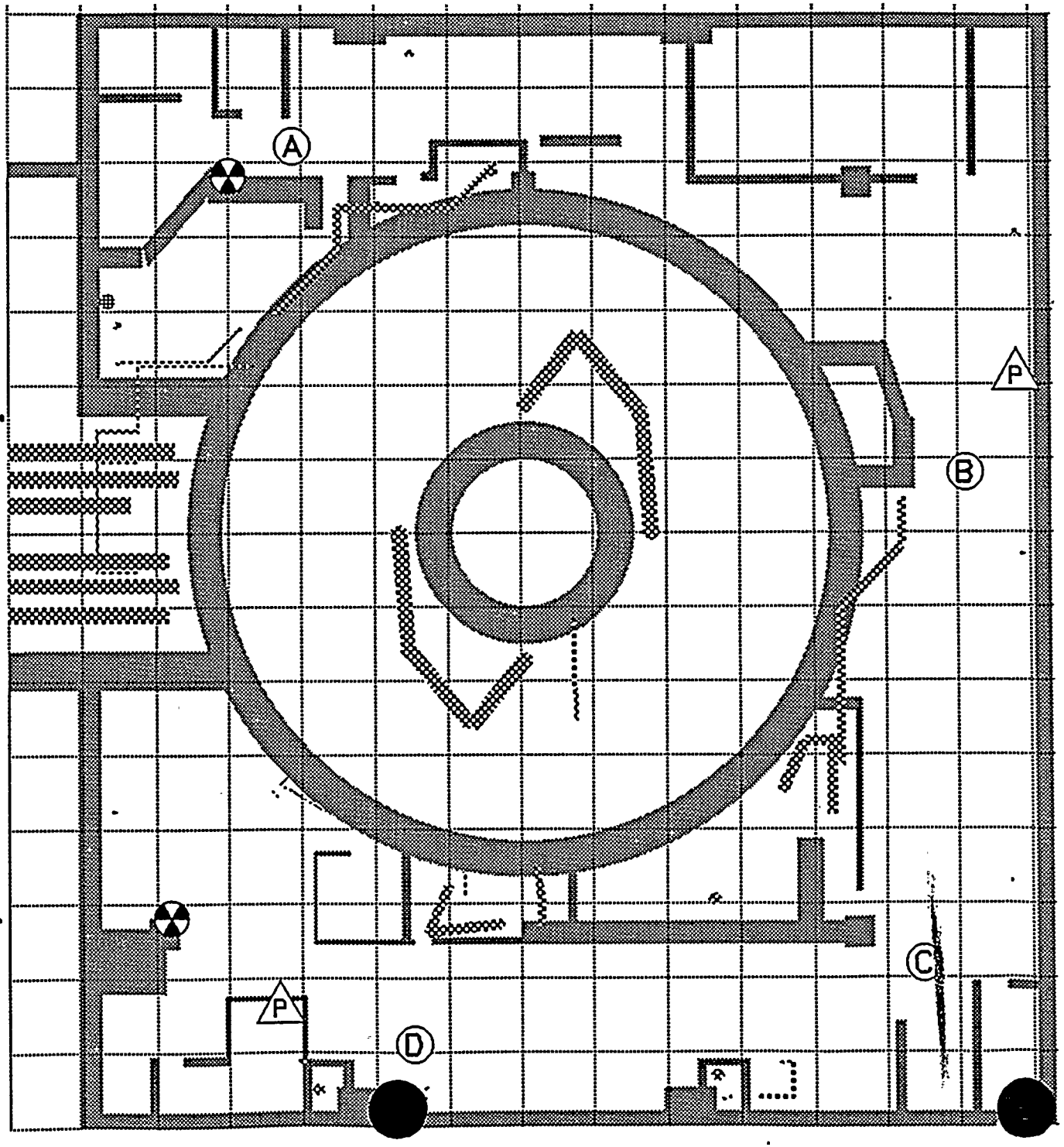
Concrete

Piping

Vent. Ducts

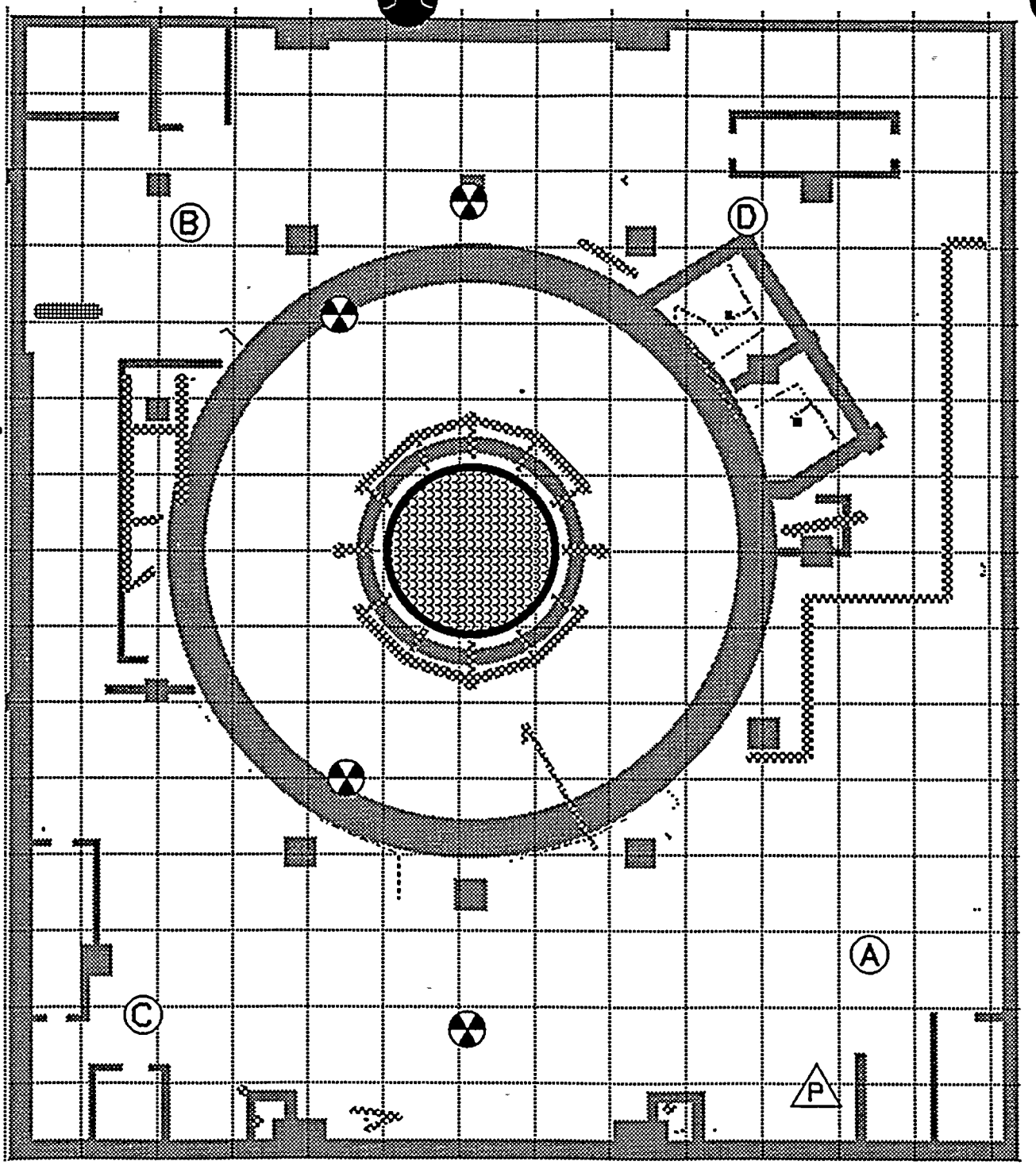
WNP-2

Reactor Building Elevation 501 feet to 514 feet



WNP-2

Reactor Building Elevation 522 feet to 536 feet



Ⓢ Survey Location

Radiation Monitor

Ⓟ Process Monitor

10 x 10 ft.

Water

Air

Steel/Equip

Turb./Gen.

Steam/Cond.

Concrete

Piping

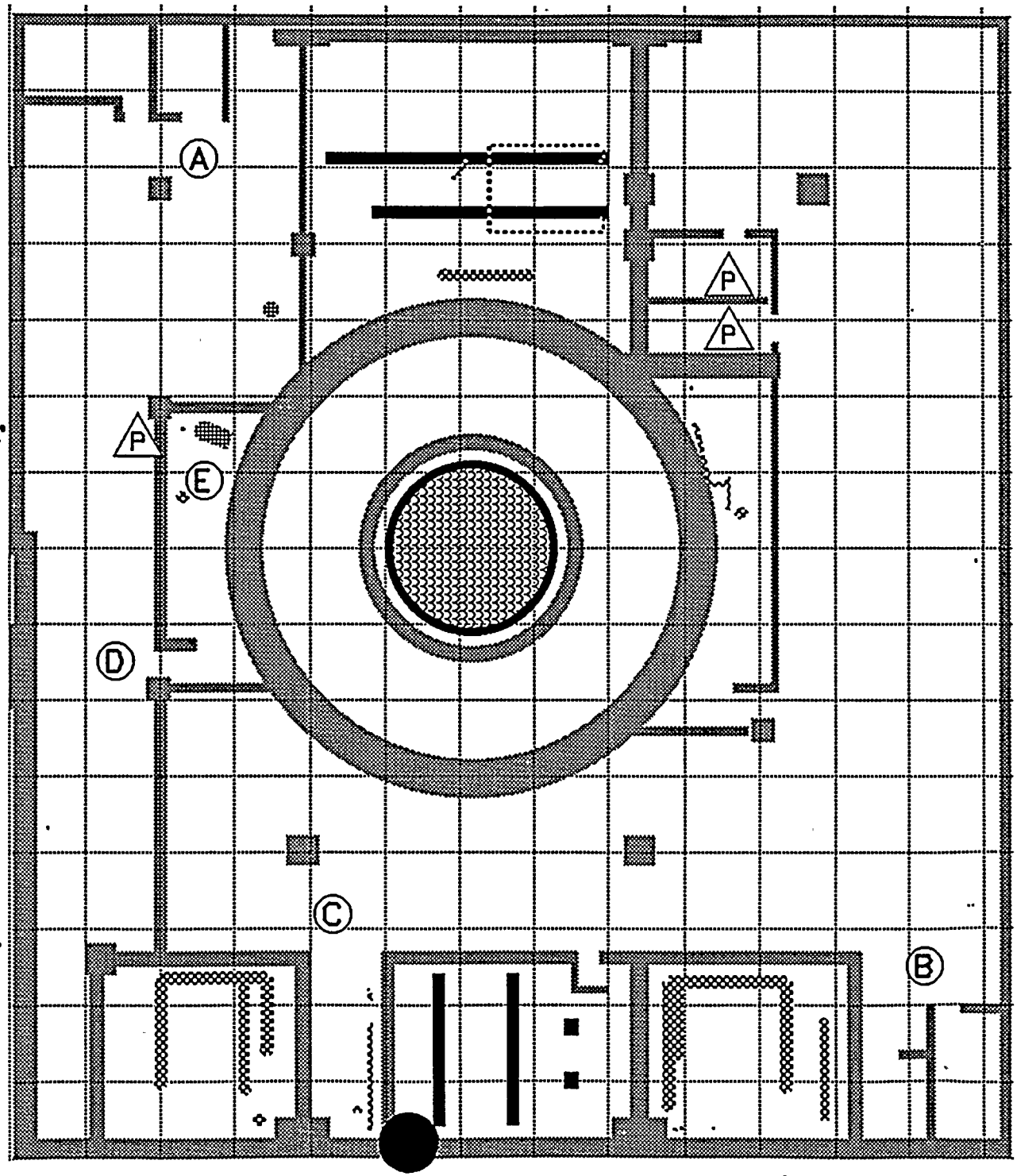
Vent. Ducts

WNP-2

Reactor Building

Elevation

548 feet to 555 feet



Ⓢ Survey Location

Radiation Monitor

Ⓟ Process Monitor

10 x 10 ft.

Water

Air

Steel/Equip

Turb./Gen.

Steam/Cond.

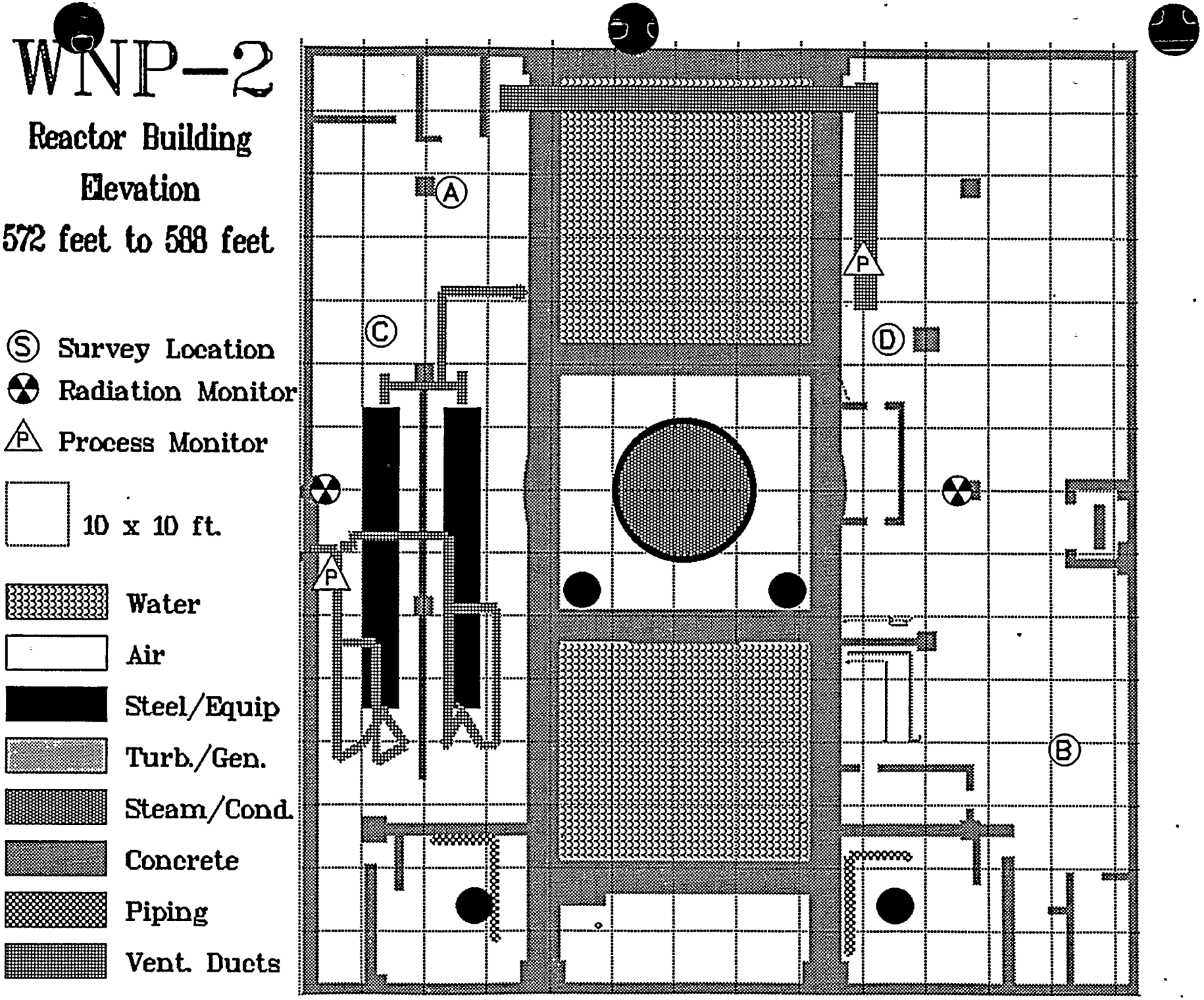
Concrete

Piping

Vent. Ducts

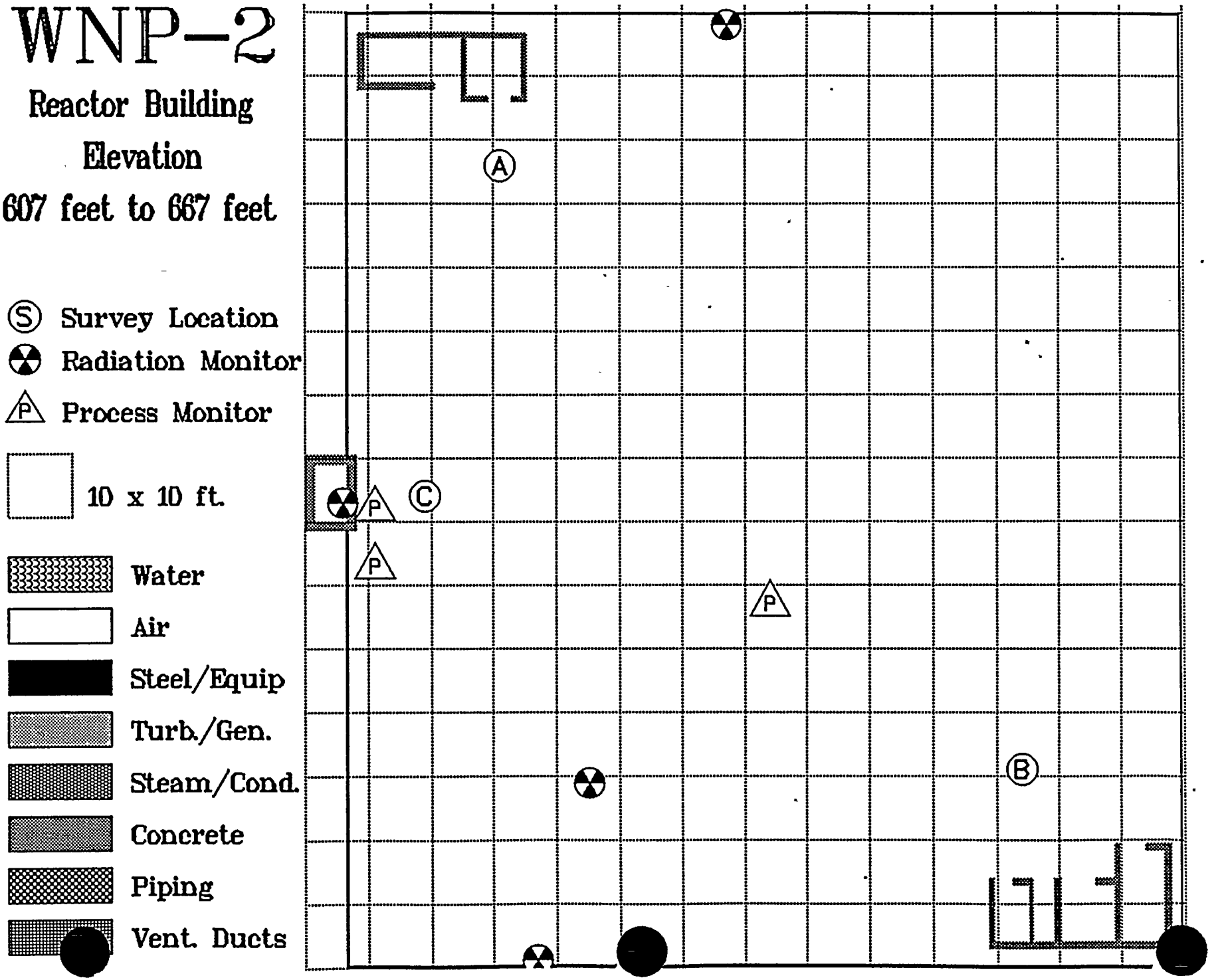
WNP-2

Reactor Building
Elevation
572 feet to 588 feet



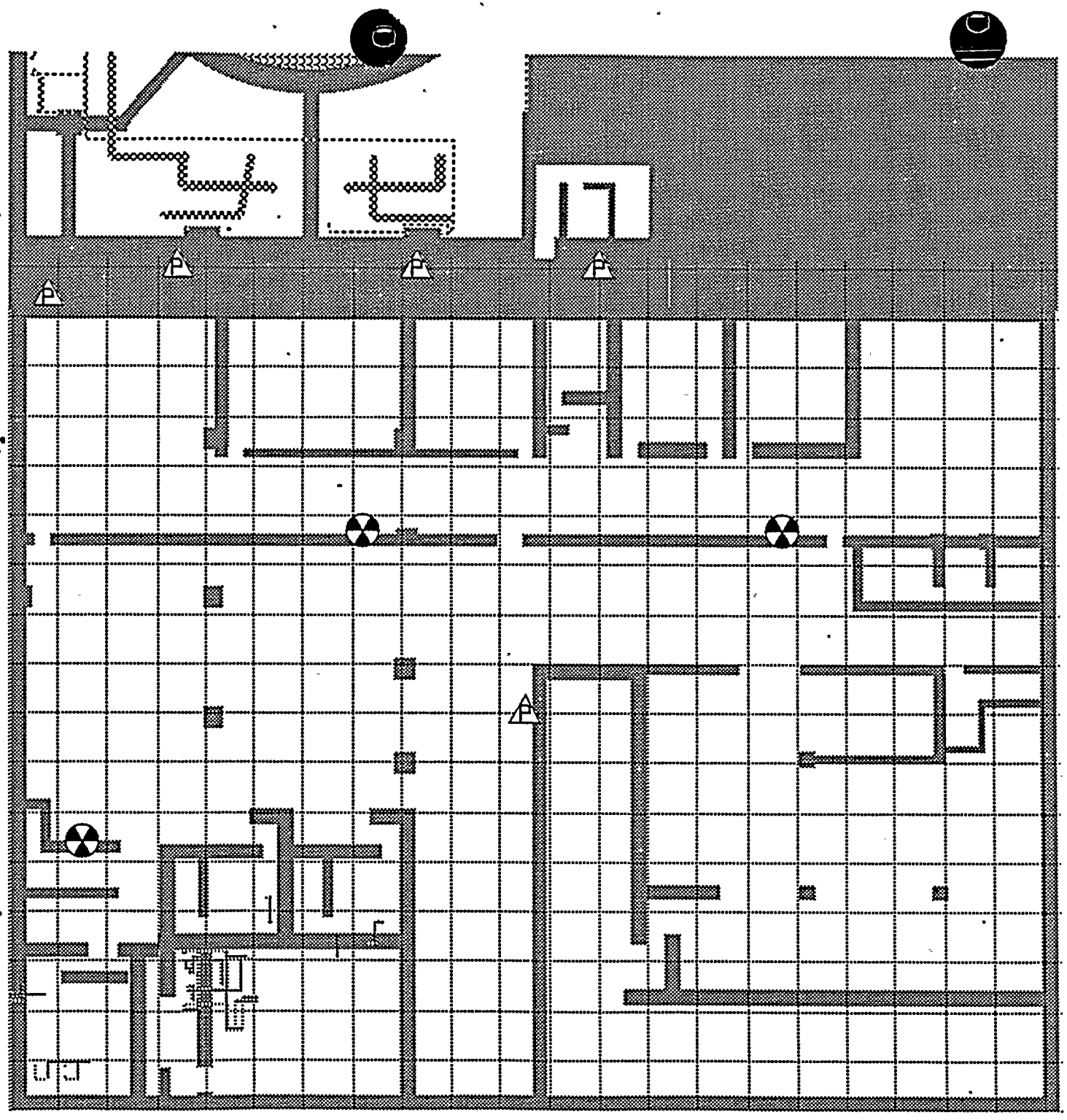
WNP-2

Reactor Building
Elevation
607 feet to 667 feet



WNP-2

Radwaste Building
Elevation
437 feet to 447 feet

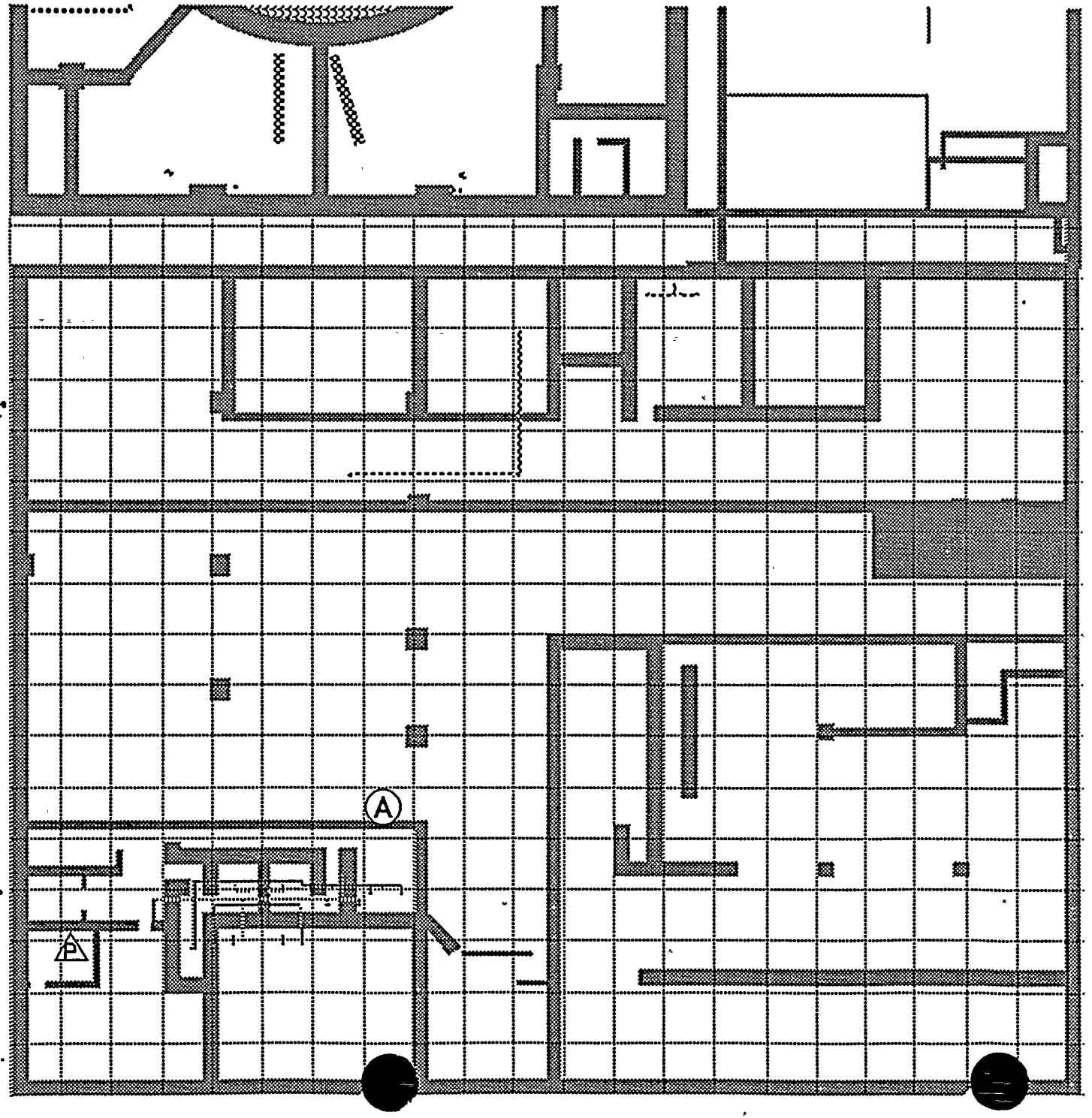


WNP-2

Radwaste Building

Elevation

452 feet to 463 feet

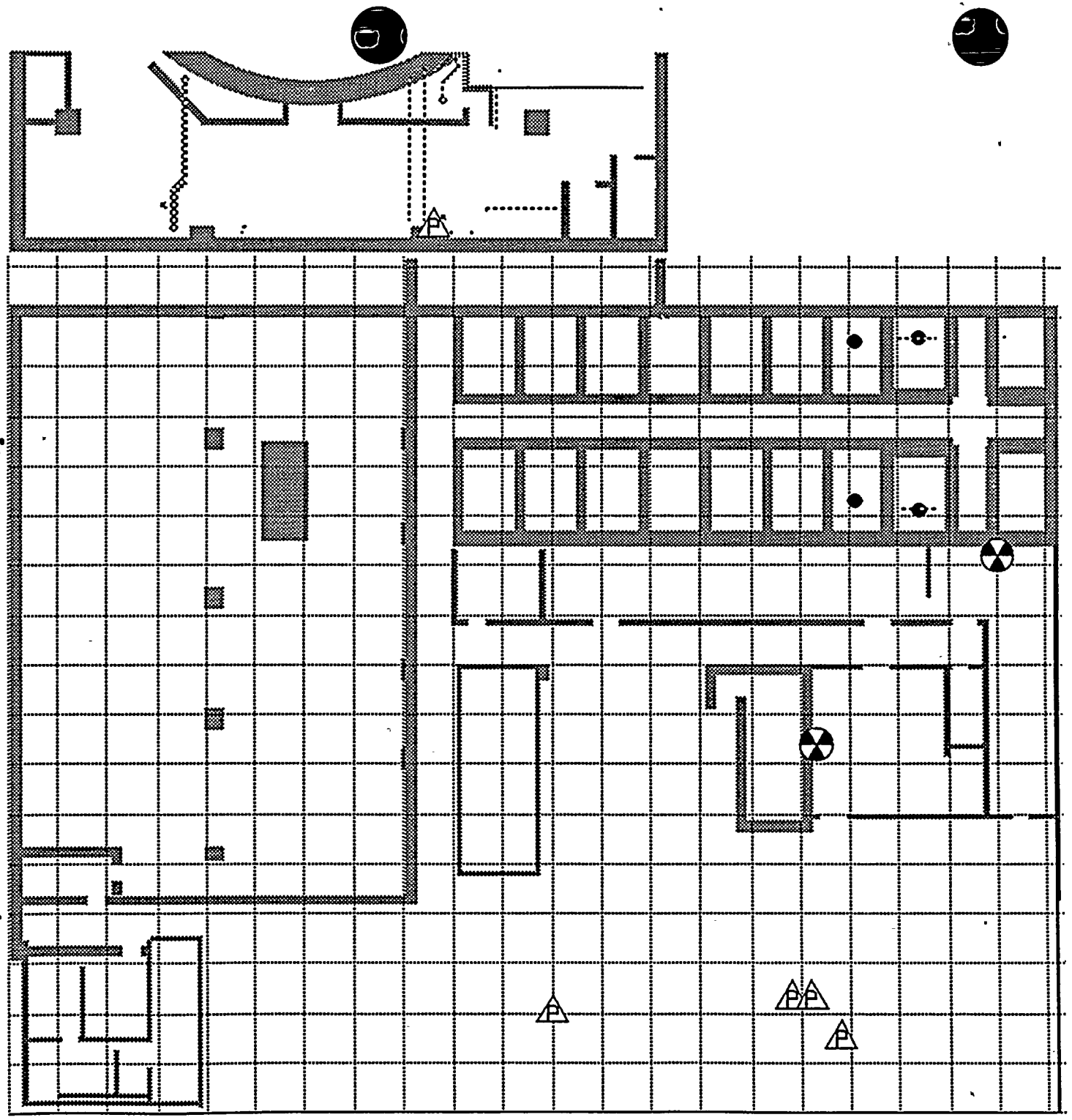


WNP-2

Radwaste Building

Elevation

487 feet to 497 feet

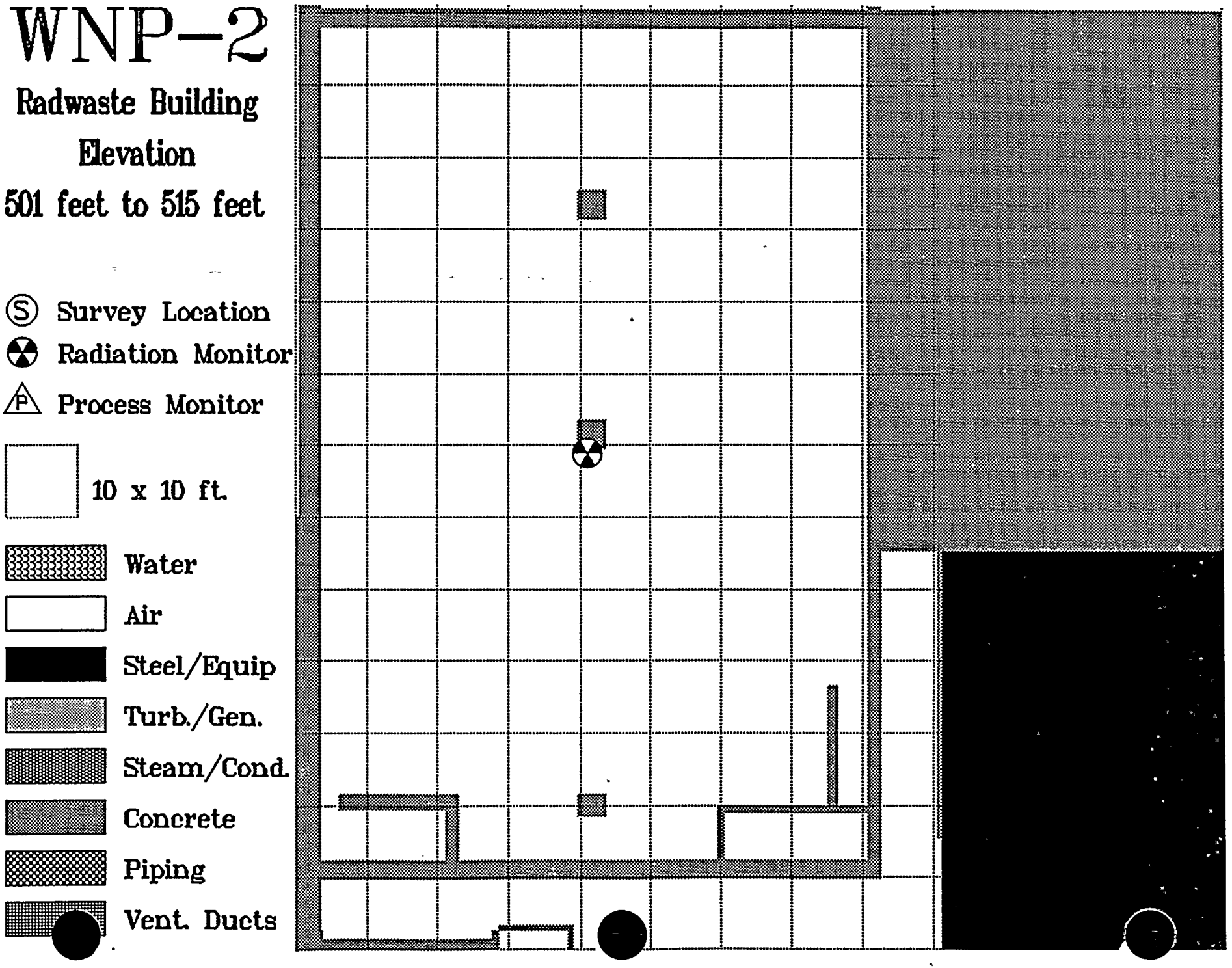


WNP-2

Radwaste Building

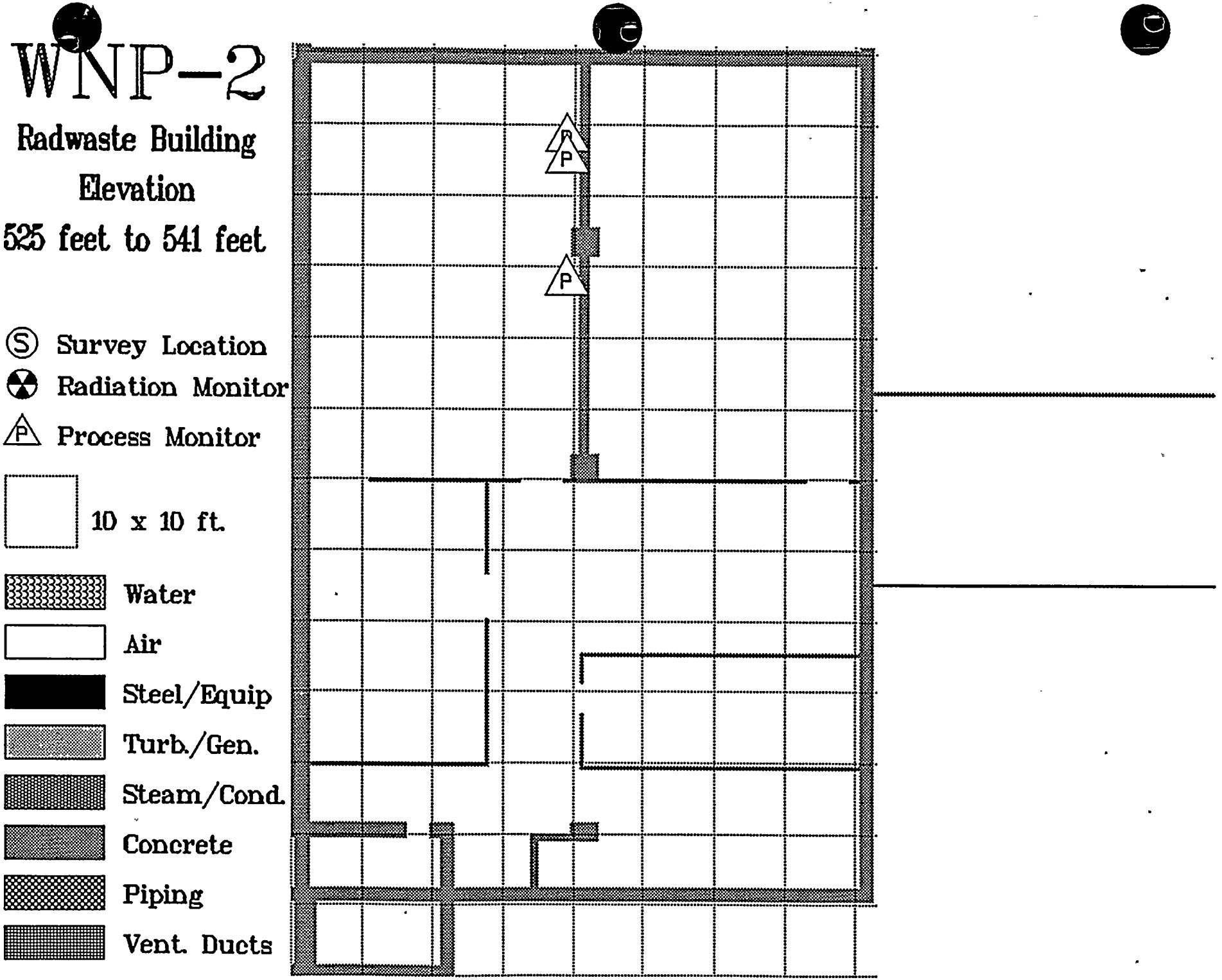
Elevation

501 feet to 515 feet



WNP-2

Radwaste Building Elevation 525 feet to 541 feet



WNP-2

Service Building

Elevation

441 feet to 451 feet

Ⓢ Survey Location

☢ Radiation Monitor

Ⓟ Process Monitor

☐ 10 x 10 ft.

Water

Air

Steel/Equip

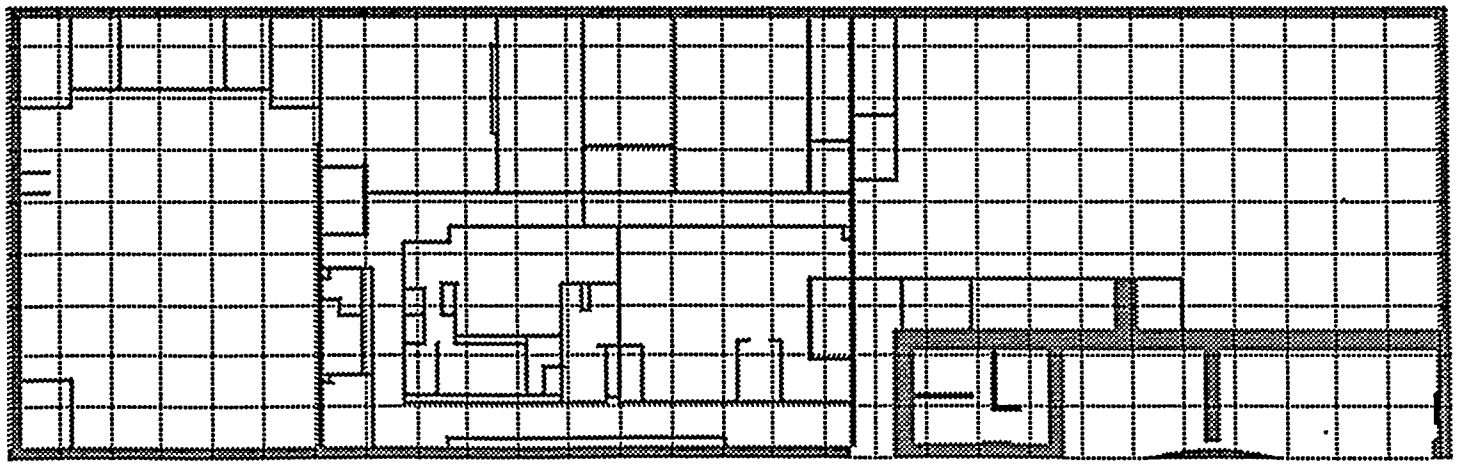
Turb./Gen.

Steam/Cond.

Concrete

Piping

Vent. Ducts



WNP-2

Service Building

Elevation

457 feet to 471 feet

Ⓢ Survey Location

☢ Radiation Monitor

Ⓟ Process Monitor

10 x 10 ft.

Water

Air

Steel/Equip

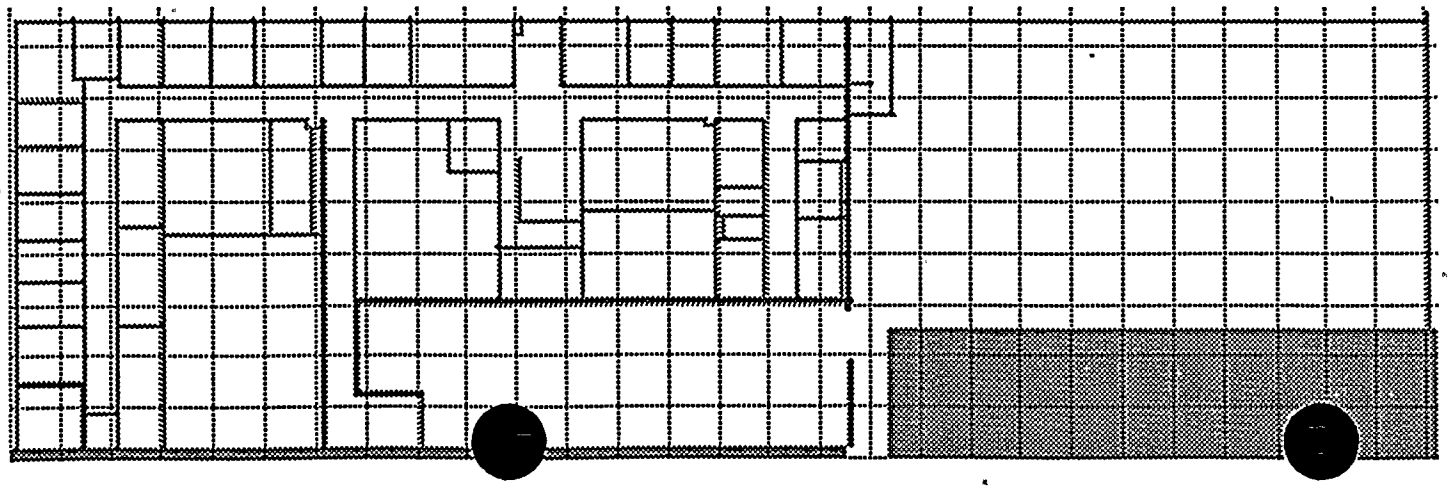
Turb./Gen.

Steam/Cond.

Concrete

Piping

Vent. Ducts

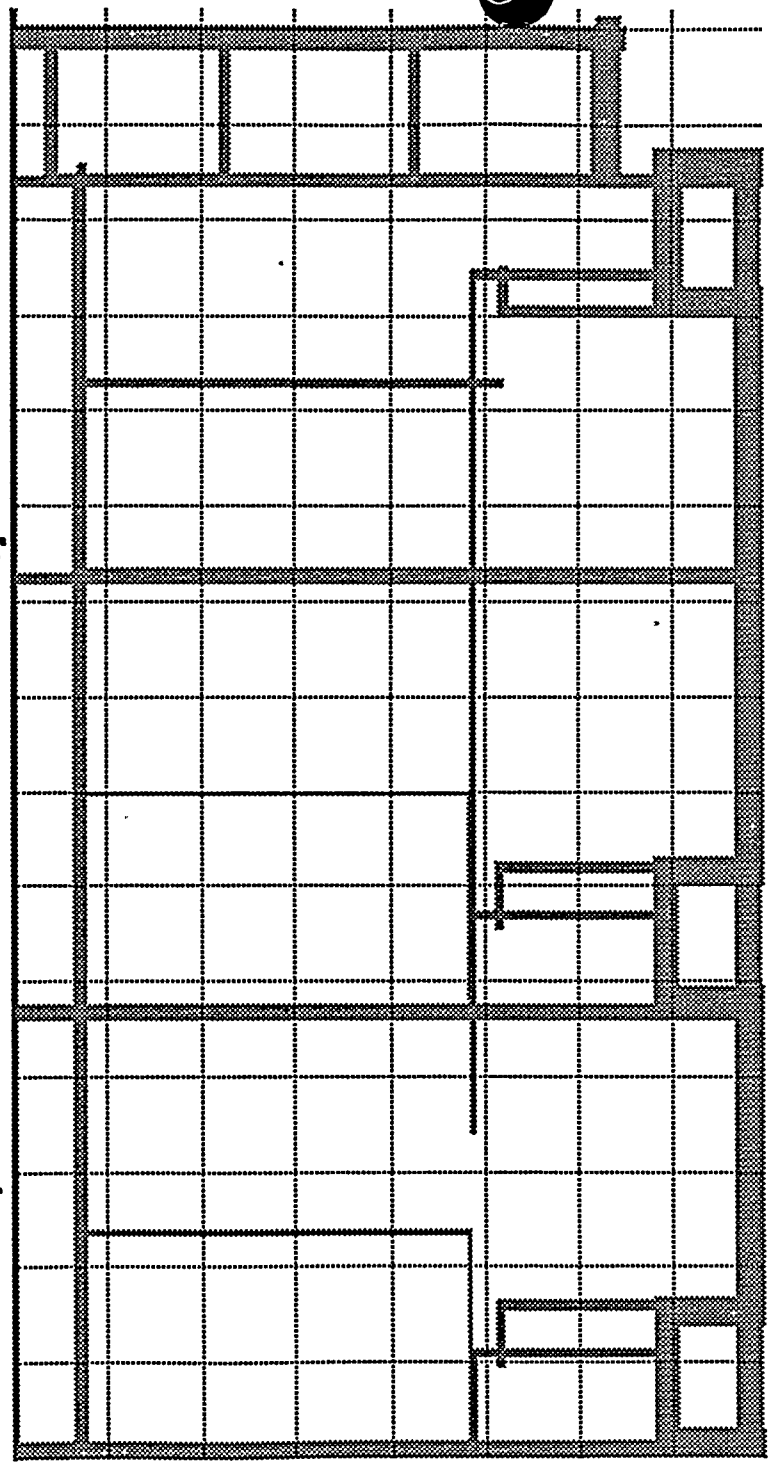


WNP-2

Diesel Gen. Building

Elevation

441 feet to 455 feet



Ⓢ Survey Location

☢ Radiation Monitor

Ⓟ Process Monitor

10 x 10 ft.

Water

Air

Steel/Equip

Turb./Gen.

Steam/Cond.

Concrete

Piping

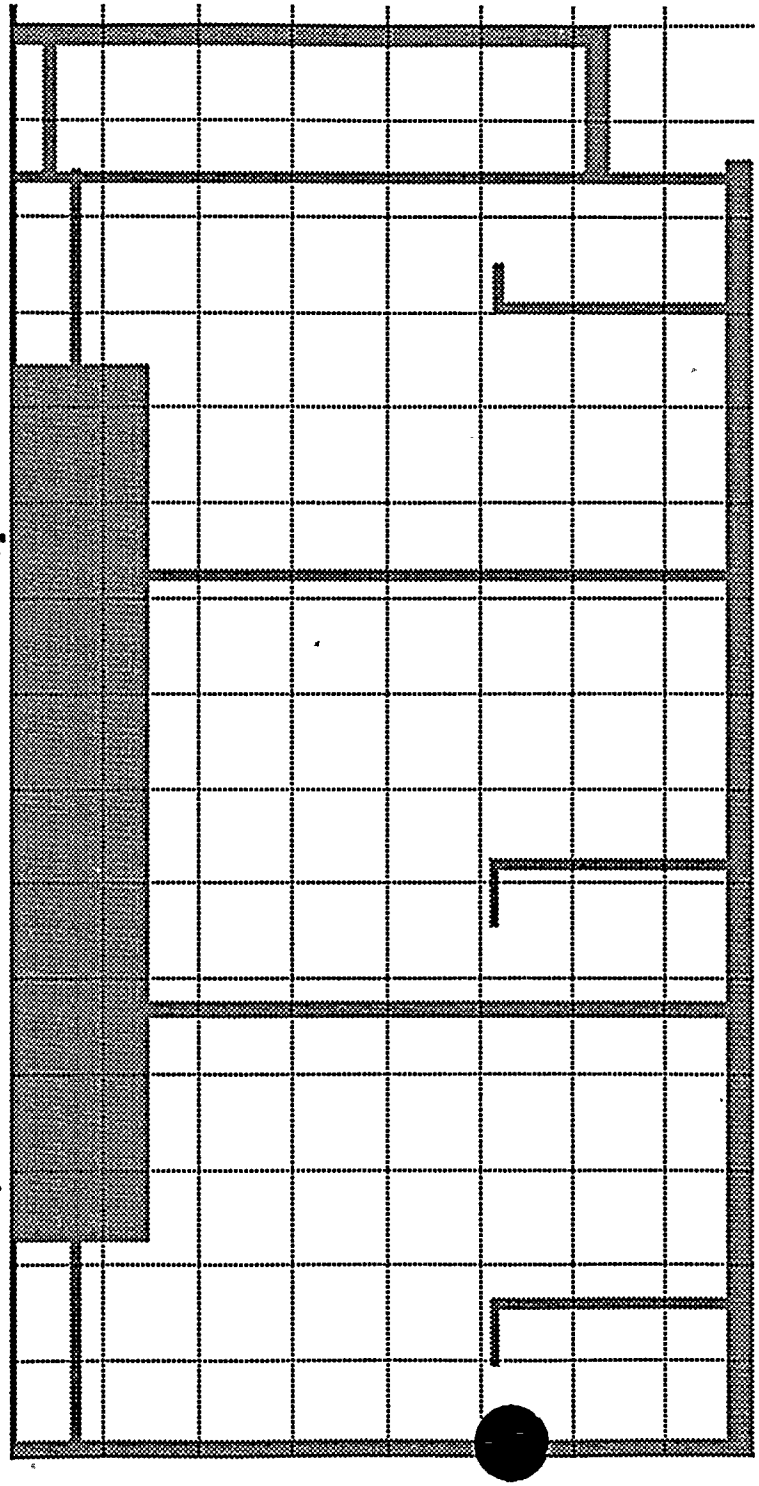
Vent. Ducts

WNP-2

Diesel Gen. Building

Elevation

455 feet to 471 feet



Ⓢ Survey Location

Radiation Monitor

Ⓟ Process Monitor

10 x 10 ft.

Water

Air

Steel/Equip

Turb./Gen.

Steam/Cond.

Concrete

Piping

Vent. Ducts

TABLE P10.a

IN-PLANT SURVEY AND SAMPLING DATA (T = 00:00) (07:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)
RBC_422 A	< 0.1	< 0.1	RBC_548 B	< 0.1	< 0.1
RBC_422 B	< 0.1	< 0.1	RBC_548 C	< 0.1	< 0.1
RBC_422 C	< 0.1	< 0.1	RBC_548 D	< 0.1	< 0.1
RBC_422 D	< 0.1	< 0.1	RBC_548 E	< 0.1	< 0.1
RBC_441 A	< 0.1	< 0.1	RBC_572 A	< 0.1	< 0.1
RBC_441 B	< 0.1	< 0.1	RBC_572 B	< 0.1	< 0.1
RBC_441 C	< 0.1	< 0.1	RBC_572 C	< 0.1	< 0.1
RBC_441 D	< 0.1	< 0.1	RBC_572 D	< 0.1	< 0.1
RBC_441 E	< 0.1	< 0.1	RBC_607 A	< 0.1	< 0.1
RBC_441 F	< 0.1	< 0.1	RBC_607 B	< 0.1	< 0.1
RBC_441 G	< 0.1	< 0.1	RBC_607 C	< 0.1	< 0.1
RBC_441 H	< 0.1	< 0.1	RWC_452 A	< 0.1	< 0.1
RBC_441 I	< 0.1	< 0.1	TBC_441 A	< 0.1	< 0.1
RBC_471 A	< 0.1	< 0.1	TBC_441 B	< 0.1	< 0.1
RBC_471 B	< 0.1	< 0.1	TBC_441 C	< 0.1	< 0.1
RBC_471 C	< 0.1	< 0.1	TBC_441 D	< 0.1	< 0.1
RBC_471 D	< 0.1	< 0.1	TBC_456 A	< 0.1	< 0.1
RBC_501 A	< 0.1	< 0.1	TBC_456 B	< 0.1	< 0.1
RBC_501 B	< 0.1	< 0.1	TBC_456 C	< 0.1	< 0.1
RBC_501 C	< 0.1	< 0.1	TBC_471 A	< 0.1	< 0.1
RBC_501 D	< 0.1	< 0.1	TBC_471 B	< 0.1	< 0.1
RBC_522 A	< 0.1	< 0.1	TBC_471 C	< 0.1	< 0.1
RBC_522 B	< 0.1	< 0.1	TBC_501 A	< 0.1	< 0.1
RBC_522 C	< 0.1	< 0.1	TBC_501 B	< 0.1	< 0.1
RBC_522 D	< 0.1	< 0.1	TBC_501 C	< 0.1	< 0.1
RBC_548 A	< 0.1	< 0.1			

TABLE P10.b

IN-PLANT SURVEY AND SAMPLING DATA (T = 01:00) (08:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)
RBC_422 A	< 0.1	< 0.1	RBC_548 B	< 0.1	< 0.1
RBC_422 B	< 0.1	< 0.1	RBC_548 C	< 0.1	< 0.1
RBC_422 C	< 0.1	< 0.1	RBC_548 D	< 0.1	< 0.1
RBC_422 D	< 0.1	< 0.1	RBC_548 E	< 0.1	< 0.1
RBC_441 A	< 0.1	< 0.1	RBC_572 A	< 0.1	< 0.1
RBC_441 B	< 0.1	< 0.1	RBC_572 B	< 0.1	< 0.1
RBC_441 C	< 0.1	< 0.1	RBC_572 C	< 0.1	< 0.1
RBC_441 D	< 0.1	< 0.1	RBC_572 D	< 0.1	< 0.1
RBC_441 E	< 0.1	< 0.1	RBC_607 A	< 0.1	< 0.1
RBC_441 F	< 0.1	< 0.1	RBC_607 B	< 0.1	< 0.1
RBC_441 G	< 0.1	< 0.1	RBC_607 C	< 0.1	< 0.1
RBC_441 H	< 0.1	< 0.1	RWC_452 A	< 0.1	< 0.1
RBC_441 I	< 0.1	< 0.1	TBC_441 A	< 0.1	< 0.1
RBC_471 A	< 0.1	< 0.1	TBC_441 B	< 0.1	< 0.1
RBC_471 B	< 0.1	< 0.1	TBC_441 C	< 0.1	< 0.1
RBC_471 C	< 0.1	< 0.1	TBC_441 D	< 0.1	< 0.1
RBC_471 D	< 0.1	< 0.1	TBC_456 A	< 0.1	< 0.1
RBC_501 A	< 0.1	< 0.1	TBC_456 B	< 0.1	< 0.1
RBC_501 B	< 0.1	< 0.1	TBC_456 C	< 0.1	< 0.1
RBC_501 C	< 0.1	< 0.1	TBC_471 A	< 0.1	< 0.1
RBC_501 D	< 0.1	< 0.1	TBC_471 B	< 0.1	< 0.1
RBC_522 A	< 0.1	< 0.1	TBC_471 C	< 0.1	< 0.1
RBC_522 B	< 0.1	< 0.1	TBC_501 A	< 0.1	< 0.1
RBC_522 C	< 0.1	< 0.1	TBC_501 B	< 0.1	< 0.1
RBC_522 D	< 0.1	< 0.1	TBC_501 C	< 0.1	< 0.1
RBC_548 A	< 0.1	< 0.1			

TABLE P10.c

IN-PLANT SURVEY AND SAMPLING DATA (T = 01:30) (08:30)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)
RBC_422 A	< 0.1	< 0.1	RBC_548 B	< 0.1	< 0.1
RBC_422 B	< 0.1	< 0.1	RBC_548 C	< 0.1	< 0.1
RBC_422 C	< 0.1	< 0.1	RBC_548 D	< 0.1	< 0.1
RBC_422 D	< 0.1	< 0.1	RBC_548 E	0.1	0.1
RBC_441 A	< 0.1	< 0.1	RBC_572 A	56.	56.
RBC_441 B	< 0.1	< 0.1	RBC_572 B	< 0.1	< 0.1
RBC_441 C	< 0.1	< 0.1	RBC_572 C	< 0.1	< 0.1
RBC_441 D	< 0.1	< 0.1	RBC_572 D	< 0.1	< 0.1
RBC_441 E	< 0.1	< 0.1	RBC_607 A	0.7	0.8
RBC_441 F	< 0.1	< 0.1	RBC_607 B	0.6	0.6
RBC_441 G	< 0.1	< 0.1	RBC_607 C	24.	24.
RBC_441 H	< 0.1	< 0.1	RWC_452 A	< 0.1	< 0.1
RBC_441 I	< 0.1	< 0.1	TBC_441 A	< 0.1	< 0.1
RBC_471 A	0.2	0.2	TBC_441 B	< 0.1	< 0.1
RBC_471 B	< 0.1	< 0.1	TBC_441 C	< 0.1	< 0.1
RBC_471 C	< 0.1	< 0.1	TBC_441 D	< 0.1	< 0.1
RBC_471 D	< 0.1	< 0.1	TBC_456 A	< 0.1	< 0.1
RBC_501 A	< 0.1	< 0.1	TBC_456 B	< 0.1	< 0.1
RBC_501 B	< 0.1	< 0.1	TBC_456 C	< 0.1	< 0.1
RBC_501 C	< 0.1	< 0.1	TBC_471 A	< 0.1	< 0.1
RBC_501 D	< 0.1	< 0.1	TBC_471 B	< 0.1	< 0.1
RBC_522 A	< 0.1	< 0.1	TBC_471 C	< 0.1	< 0.1
RBC_522 B	< 0.1	< 0.1	TBC_501 A	0.3	0.3
RBC_522 C	< 0.1	< 0.1	TBC_501 B	< 0.1	< 0.1
RBC_522 D	< 0.1	< 0.1	TBC_501 C	< 0.1	< 0.1
RBC_548 A	0.4	0.4			

TABLE P10.d

IN-PLANT SURVEY AND SAMPLING DATA (T = 01:45) (08:45)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)
RBC_422 A	0.2	0.5	RBC_548 B	2.4	2.7
RBC_422 B	0.2	0.5	RBC_548 C	0.2	0.5
RBC_422 C	< 0.1	0.4	RBC_548 D	0.2	0.5
RBC_422 D	< 0.1	0.4	RBC_548 E	1.0	1.0
RBC_441 A	0.2	0.5	RBC_572 A	510.	510.
RBC_441 B	0.1	0.4	RBC_572 B	0.5	0.8
RBC_441 C	0.2	0.5	RBC_572 C	0.2	0.5
RBC_441 D	0.2	0.5	RBC_572 D	0.2	0.5
RBC_441 E	0.1	0.4	RBC_607 A	2.4	2.4
RBC_441 F	0.2	0.4	RBC_607 B	2.7	3.0
RBC_441 G	0.2	0.4	RBC_607 C	190.	190.
RBC_441 H	0.2	0.5	RWC_452 A	< 0.1	< 0.1
RBC_441 I	59.	59.	TBC_441 A	< 0.1	< 0.1
RBC_471 A	3.4	3.7	TBC_441 B	< 0.1	< 0.1
RBC_471 B	< 0.1	0.4	TBC_441 C	< 0.1	< 0.1
RBC_471 C	0.7	1.0	TBC_441 D	< 0.1	< 0.1
RBC_471 D	0.2	0.5	TBC_456 A	< 0.1	< 0.1
RBC_501 A	0.1	0.4	TBC_456 B	< 0.1	< 0.1
RBC_501 B	0.4	0.7	TBC_456 C	< 0.1	< 0.1
RBC_501 C	0.5	0.7	TBC_471 A	< 0.1	0.4
RBC_501 D	0.3	0.6	TBC_471 B	< 0.1	< 0.1
RBC_522 A	0.8	1.1	TBC_471 C	< 0.1	< 0.1
RBC_522 B	0.2	0.5	TBC_501 A	1.2	1.2
RBC_522 C	0.7	1.0	TBC_501 B	0.1	0.1
RBC_522 D	0.2	0.5	TBC_501 C	0.1	0.1
RBC_548 A	1.4	1.6			

TABLE P10.e

IN-PLANT SURVEY AND SAMPLING DATA (T = 02:00) (09:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)
RBC_422 A	0.2	0.6	RBC_548 B	2.2	2.7
RBC_422 B	0.2	0.6	RBC_548 C	0.3	0.7
RBC_422 C	0.1	0.5	RBC_548 D	0.2	0.6
RBC_422 D	0.1	0.5	RBC_548 E	0.8	0.8
RBC_441 A	0.2	0.6	RBC_572 A	720.	720.
RBC_441 B	0.1	0.5	RBC_572 B	0.5	0.9
RBC_441 C	0.2	0.6	RBC_572 C	0.3	0.7
RBC_441 D	0.2	0.6	RBC_572 D	0.3	0.7
RBC_441 E	0.2	0.6	RBC_607 A	2.1	2.1
RBC_441 F	0.2	0.6	RBC_607 B	2.4	2.8
RBC_441 G	0.2	0.6	RBC_607 C	270.	270.
RBC_441 H	0.2	0.6	RWC_452 A	< 0.1	< 0.1
RBC_441 I	55.	55.	TBC_441 A	< 0.1	< 0.1
RBC_471 A	3.1	3.6	TBC_441 B	< 0.1	< 0.1
RBC_471 B	0.1	0.5	TBC_441 C	< 0.1	< 0.1
RBC_471 C	0.7	1.1	TBC_441 D	< 0.1	< 0.1
RBC_471 D	0.3	0.7	TBC_456 A	< 0.1	< 0.1
RBC_501 A	0.2	0.6	TBC_456 B	< 0.1	< 0.1
RBC_501 B	0.4	0.9	TBC_456 C	< 0.1	< 0.1
RBC_501 C	0.5	0.9	TBC_471 A	< 0.1	0.5
RBC_501 D	0.3	0.7	TBC_471 B	< 0.1	< 0.1
RBC_522 A	0.8	1.3	TBC_471 C	< 0.1	< 0.1
RBC_522 B	0.2	0.7	TBC_501 A	1.1	1.1
RBC_522 C	1.0	1.4	TBC_501 B	< 0.1	0.1
RBC_522 D	0.3	0.7	TBC_501 C	< 0.1	0.1
RBC_548 A	1.4	1.9			

TABLE P10.f

IN-PLANT SURVEY AND SAMPLING DATA (T = 02:15) (09:15)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)
RBC_422 A	0.2	0.7	RBC_548 B	2.1	2.6
RBC_422 B	0.2	0.7	RBC_548 C	0.3	0.8
RBC_422 C	0.1	0.6	RBC_548 D	0.2	0.7
RBC_422 D	0.1	0.6	RBC_548 E	0.7	0.7
RBC_441 A	0.2	0.7	RBC_572 A	830.	830.
RBC_441 B	0.1	0.6	RBC_572 B	0.5	1.0
RBC_441 C	0.2	0.7	RBC_572 C	0.3	0.8
RBC_441 D	0.2	0.7	RBC_572 D	0.3	0.8
RBC_441 E	0.2	0.7	RBC_607 A	1.9	1.9
RBC_441 F	0.2	0.7	RBC_607 B	2.2	2.7
RBC_441 G	0.2	0.7	RBC_607 C	300.	300.
RBC_441 H	0.2	0.7	RWC_452 A	< 0.1	< 0.1
RBC_441 I	51.	51.	TBC_441 A	< 0.1	< 0.1
RBC_471 A	2.9	3.4	TBC_441 B	< 0.1	< 0.1
RBC_471 B	0.1	0.6	TBC_441 C	< 0.1	< 0.1
RBC_471 C	0.7	1.2	TBC_441 D	< 0.1	< 0.1
RBC_471 D	0.3	0.8	TBC_456 A	< 0.1	< 0.1
RBC_501 A	0.2	0.6	TBC_456 B	< 0.1	< 0.1
RBC_501 B	0.4	0.9	TBC_456 C	< 0.1	< 0.1
RBC_501 C	0.5	1.0	TBC_471 A	< 0.1	0.6
RBC_501 D	0.3	0.8	TBC_471 B	< 0.1	< 0.1
RBC_522 A	0.8	1.3	TBC_471 C	< 0.1	< 0.1
RBC_522 B	0.2	0.7	TBC_501 A	0.9	0.9
RBC_522 C	1.1	1.6	TBC_501 B	< 0.1	< 0.1
RBC_522 D	0.3	0.7	TBC_501 C	< 0.1	< 0.1
RBC_548 A	1.4	1.9			

TABLE P10.g

IN-PLANT SURVEY AND SAMPLING DATA (T = 02:30) (09:30)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)
RBC_422 A	0.2	0.7	RBC_548 B	2.0	2.5
RBC_422 B	0.2	0.7	RBC_548 C	0.3	0.8
RBC_422 C	0.1	0.6	RBC_548 D	0.2	0.7
RBC_422 D	0.1	0.7	RBC_548 E	< 0.1	< 0.1
RBC_441 A	0.2	0.7	RBC_572 A	810.	810.
RBC_441 B	0.1	0.7	RBC_572 B	0.5	1.0
RBC_441 C	0.2	0.7	RBC_572 C	0.3	0.8
RBC_441 D	0.2	0.7	RBC_572 D	0.3	0.8
RBC_441 E	0.2	0.7	RBC_607 A	< 0.1	< 0.1
RBC_441 F	0.2	0.7	RBC_607 B	0.4	1.0
RBC_441 G	0.2	0.7	RBC_607 C	270.	270.
RBC_441 H	0.2	0.7	RWC_452 A	< 0.1	< 0.1
RBC_441 I	47.	47.	TBC_441 A	< 0.1	< 0.1
RBC_471 A	2.6	3.1	TBC_441 B	< 0.1	< 0.1
RBC_471 B	0.1	0.6	TBC_441 C	< 0.1	< 0.1
RBC_471 C	0.6	1.2	TBC_441 D	< 0.1	< 0.1
RBC_471 D	0.3	0.8	TBC_456 A	< 0.1	< 0.1
RBC_501 A	0.1	0.7	TBC_456 B	< 0.1	< 0.1
RBC_501 B	0.4	0.9	TBC_456 C	< 0.1	< 0.1
RBC_501 C	0.4	1.0	TBC_471 A	< 0.1	0.6
RBC_501 D	0.3	0.8	TBC_471 B	< 0.1	< 0.1
RBC_522 A	0.7	1.3	TBC_471 C	< 0.1	< 0.1
RBC_522 B	0.2	0.7	TBC_501 A	< 0.1	< 0.1
RBC_522 C	1.1	1.6	TBC_501 B	< 0.1	< 0.1
RBC_522 D	0.2	0.8	TBC_501 C	< 0.1	< 0.1
RBC_548 A	0.8	1.3			

TABLE P10.h

IN-PLANT SURVEY AND SAMPLING DATA (T = 02:45) (09:45)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)
RBC_422 A	0.2	0.8	RBC_548 B	1.8	2.4
RBC_422 B	0.2	0.8	RBC_548 C	0.3	0.8
RBC_422 C	< 0.1	0.7	RBC_548 D	0.2	0.8
RBC_422 D	0.1	0.7	RBC_548 E	< 0.1	< 0.1
RBC_441 A	0.2	0.8	RBC_572 A	780.	780.
RBC_441 B	0.1	0.7	RBC_572 B	0.4	1.0
RBC_441 C	0.2	0.8	RBC_572 C	0.2	0.8
RBC_441 D	0.2	0.8	RBC_572 D	0.3	0.8
RBC_441 E	0.2	0.7	RBC_607 A	< 0.1	< 0.1
RBC_441 F	0.2	0.8	RBC_607 B	0.4	1.0
RBC_441 G	0.2	0.8	RBC_607 C	260.	260.
RBC_441 H	0.2	0.8	RWC_452 A	< 0.1	< 0.1
RBC_441 I	43.	44.	TBC_441 A	< 0.1	< 0.1
RBC_471 A	2.4	3.0	TBC_441 B	< 0.1	< 0.1
RBC_471 B	< 0.1	0.7	TBC_441 C	< 0.1	< 0.1
RBC_471 C	0.6	1.2	TBC_441 D	< 0.1	< 0.1
RBC_471 D	0.3	0.9	TBC_456 A	< 0.1	< 0.1
RBC_501 A	0.1	0.7	TBC_456 B	< 0.1	< 0.1
RBC_501 B	0.4	1.0	TBC_456 C	< 0.1	< 0.1
RBC_501 C	0.4	1.0	TBC_471 A	< 0.1	0.7
RBC_501 D	0.3	0.9	TBC_471 B	< 0.1	< 0.1
RBC_522 A	0.7	1.3	TBC_471 C	< 0.1	< 0.1
RBC_522 B	0.2	0.8	TBC_501 A	< 0.1	< 0.1
RBC_522 C	1.0	1.6	TBC_501 B	< 0.1	< 0.1
RBC_522 D	0.2	0.8	TBC_501 C	< 0.1	< 0.1
RBC_548 A	0.7	1.3			

TABLE P10.i

IN-PLANT SURVEY AND SAMPLING DATA (T = 03:00) (10:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)
RBC_422 A	0.2	0.8	RBC_548 B	1.7	2.3
RBC_422 B	0.2	0.8	RBC_548 C	0.2	0.9
RBC_422 C	< 0.1	0.7	RBC_548 D	0.2	0.8
RBC_422 D	0.1	0.7	RBC_548 E	< 0.1	< 0.1
RBC_441 A	0.2	0.8	RBC_572 A	760.	760.
RBC_441 B	0.1	0.7	RBC_572 B	0.4	1.0
RBC_441 C	0.2	0.8	RBC_572 C	0.2	0.9
RBC_441 D	0.2	0.8	RBC_572 D	0.2	0.9
RBC_441 E	0.1	0.8	RBC_607 A	< 0.1	< 0.1
RBC_441 F	0.2	0.8	RBC_607 B	0.4	1.0
RBC_441 G	0.2	0.8	RBC_607 C	250.	250.
RBC_441 H	0.2	0.8	RWC_452 A	< 0.1	< 0.1
RBC_441 I	40.	41.	TBC_441 A	< 0.1	< 0.1
RBC_471 A	2.2	2.9	TBC_441 B	< 0.1	< 0.1
RBC_471 B	< 0.1	0.7	TBC_441 C	< 0.1	< 0.1
RBC_471 C	0.5	1.2	TBC_441 D	< 0.1	< 0.1
RBC_471 D	0.3	0.9	TBC_456 A	< 0.1	< 0.1
RBC_501 A	0.1	0.8	TBC_456 B	< 0.1	< 0.1
RBC_501 B	0.4	1.0	TBC_456 C	< 0.1	< 0.1
RBC_501 C	0.4	1.0	TBC_471 A	< 0.1	0.7
RBC_501 D	0.3	0.9	TBC_471 B	< 0.1	< 0.1
RBC_522 A	0.7	1.3	TBC_471 C	< 0.1	< 0.1
RBC_522 B	0.2	0.8	TBC_501 A	< 0.1	< 0.1
RBC_522 C	1.0	1.6	TBC_501 B	< 0.1	< 0.1
RBC_522 D	0.2	0.9	TBC_501 C	< 0.1	< 0.1
RBC_548 A	0.7	1.3			

TABLE P10.j

IN-PLANT SURVEY AND SAMPLING DATA (T = 03:15) (10:15)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)
RBC_422 A	0.2	0.9	RBC_548 B	1.6	2.3
RBC_422 B	0.2	0.9	RBC_548 C	0.2	0.9
RBC_422 C	< 0.1	0.8	RBC_548 D	0.2	0.8
RBC_422 D	< 0.1	0.8	RBC_548 E	< 0.1	< 0.1
RBC_441 A	0.2	0.8	RBC_572 A	740.	740.
RBC_441 B	0.1	0.8	RBC_572 B	0.4	1.1
RBC_441 C	0.2	0.9	RBC_572 C	0.2	0.9
RBC_441 D	0.2	0.9	RBC_572 D	0.2	0.9
RBC_441 E	0.1	0.8	RBC_607 A	< 0.1	< 0.1
RBC_441 F	0.2	0.8	RBC_607 B	0.4	1.0
RBC_441 G	0.2	0.8	RBC_607 C	240.	240.
RBC_441 H	0.2	0.9	RWC_452 A	< 0.1	< 0.1
RBC_441 I	37.	38.	TBC_441 A	< 0.1	< 0.1
RBC_471 A	2.1	2.8	TBC_441 B	< 0.1	< 0.1
RBC_471 B	< 0.1	0.8	TBC_441 C	< 0.1	< 0.1
RBC_471 C	0.5	1.2	TBC_441 D	< 0.1	< 0.1
RBC_471 D	0.3	0.9	TBC_456 A	< 0.1	< 0.1
RBC_501 A	0.1	0.8	TBC_456 B	< 0.1	< 0.1
RBC_501 B	0.3	1.0	TBC_456 C	< 0.1	< 0.1
RBC_501 C	0.4	1.1	TBC_471 A	< 0.1	0.8
RBC_501 D	0.3	0.9	TBC_471 B	< 0.1	< 0.1
RBC_522 A	0.6	1.3	TBC_471 C	< 0.1	< 0.1
RBC_522 B	0.2	0.9	TBC_501 A	< 0.1	< 0.1
RBC_522 C	0.9	1.6	TBC_501 B	< 0.1	< 0.1
RBC_522 D	0.2	0.9	TBC_501 C	< 0.1	< 0.1
RBC_548 A	0.7	1.3			

TABLE P10.k

IN-PLANT SURVEY AND SAMPLING DATA (T = 03:30) (10:30)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)
RBC_422 A	0.2	0.9	RBC_548 B	1.5	2.2
RBC_422 B	0.2	0.9	RBC_548 C	0.2	0.9
RBC_422 C	< 0.1	0.8	RBC_548 D	0.2	0.9
RBC_422 D	< 0.1	0.8	RBC_548 E	< 0.1	< 0.1
RBC_441 A	0.2	0.9	RBC_572 A	720.	720.
RBC_441 B	0.1	0.8	RBC_572 B	0.4	1.1
RBC_441 C	0.2	0.9	RBC_572 C	0.2	0.9
RBC_441 D	0.2	0.9	RBC_572 D	0.2	1.0
RBC_441 E	0.1	0.9	RBC_607 A	< 0.1	< 0.1
RBC_441 F	0.2	0.9	RBC_607 B	0.4	1.1
RBC_441 G	0.2	0.9	RBC_607 C	230.	230.
RBC_441 H	0.2	0.9	RWC_452 A	< 0.1	< 0.1
RBC_441 I	35.	36.	TBC_441 A	< 0.1	< 0.1
RBC_471 A	2.0	2.7	TBC_441 B	< 0.1	< 0.1
RBC_471 B	< 0.1	0.8	TBC_441 C	< 0.1	< 0.1
RBC_471 C	0.5	1.2	TBC_441 D	< 0.1	< 0.1
RBC_471 D	0.3	1.0	TBC_456 A	< 0.1	< 0.1
RBC_501 A	0.1	0.8	TBC_456 B	< 0.1	< 0.1
RBC_501 B	0.3	1.0	TBC_456 C	< 0.1	< 0.1
RBC_501 C	0.4	1.1	TBC_471 A	< 0.1	0.8
RBC_501 D	0.3	1.0	TBC_471 B	< 0.1	< 0.1
RBC_522 A	0.6	1.3	TBC_471 C	< 0.1	< 0.1
RBC_522 B	0.2	0.9	TBC_501 A	< 0.1	< 0.1
RBC_522 C	0.9	1.6	TBC_501 B	< 0.1	< 0.1
RBC_522 D	0.2	0.9	TBC_501 C	< 0.1	< 0.1
RBC_548 A	0.6	1.4			

TABLE P10.1

IN-PLANT SURVEY AND SAMPLING DATA (T = 03:45) (10:45)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)
RBC_422 A	0.2	0.9	RBC_548 B	1.4	2.2
RBC_422 B	0.2	0.9	RBC_548 C	0.2	1.0
RBC_422 C	< 0.1	0.8	RBC_548 D	0.2	0.9
RBC_422 D	< 0.1	0.9	RBC_548 E	< 0.1	< 0.1
RBC_441 A	0.2	0.9	RBC_572 A	700.	700.
RBC_441 B	0.1	0.9	RBC_572 B	0.4	1.1
RBC_441 C	0.2	0.9	RBC_572 C	0.2	1.0
RBC_441 D	0.2	0.9	RBC_572 D	0.2	1.0
RBC_441 E	0.1	0.9	RBC_607 A	< 0.1	< 0.1
RBC_441 F	0.2	0.9	RBC_607 B	0.4	1.1
RBC_441 G	0.2	0.9	RBC_607 C	220.	220.
RBC_441 H	0.2	0.9	RWC_452 A	< 0.1	< 0.1
RBC_441 I	32.	33.	TBC_441 A	< 0.1	< 0.1
RBC_471 A	1.8	2.6	TBC_441 B	< 0.1	< 0.1
RBC_471 B	< 0.1	0.8	TBC_441 C	< 0.1	< 0.1
RBC_471 C	0.5	1.2	TBC_441 D	< 0.1	< 0.1
RBC_471 D	0.3	1.0	TBC_456 A	< 0.1	< 0.1
RBC_501 A	0.1	0.9	TBC_456 B	< 0.1	< 0.1
RBC_501 B	0.3	1.1	TBC_456 C	< 0.1	< 0.1
RBC_501 C	0.4	1.1	TBC_471 A	< 0.1	0.8
RBC_501 D	0.3	1.0	TBC_471 B	< 0.1	< 0.1
RBC_522 A	0.6	1.3	TBC_471 C	< 0.1	< 0.1
RBC_522 B	0.2	0.9	TBC_501 A	< 0.1	< 0.1
RBC_522 C	0.9	1.6	TBC_501 B	< 0.1	< 0.1
RBC_522 D	0.2	1.0	TBC_501 C	< 0.1	< 0.1
RBC_548 A	0.6	1.4			

TABLE P10.m

IN-PLANT SURVEY AND SAMPLING DATA (T = 04:00) (11:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)
RBC_422 A	0.2	1.0	RBC_548 B	1.3	2.1
RBC_422 B	0.2	1.0	RBC_548 C	0.2	1.0
RBC_422 C	< 0.1	0.9	RBC_548 D	0.2	1.0
RBC_422 D	< 0.1	0.9	RBC_548 E	< 0.1	< 0.1
RBC_441 A	0.2	1.0	RBC_572 A	690.	690.
RBC_441 B	0.1	0.9	RBC_572 B	0.4	1.2
RBC_441 C	0.2	1.0	RBC_572 C	0.2	1.0
RBC_441 D	0.2	1.0	RBC_572 D	0.2	1.0
RBC_441 E	0.1	0.9	RBC_607 A	< 0.1	< 0.1
RBC_441 F	0.2	1.0	RBC_607 B	0.4	1.2
RBC_441 G	0.2	1.0	RBC_607 C	220.	220.
RBC_441 H	0.2	1.0	RWC_452 A	< 0.1	< 0.1
RBC_441 I	30.	31.	TBC_441 A	< 0.1	< 0.1
RBC_471 A	1.7	2.5	TBC_441 B	< 0.1	< 0.1
RBC_471 B	< 0.1	0.9	TBC_441 C	< 0.1	< 0.1
RBC_471 C	0.5	1.3	TBC_441 D	< 0.1	< 0.1
RBC_471 D	0.3	1.1	TBC_456 A	< 0.1	< 0.1
RBC_501 A	0.1	0.9	TBC_456 B	< 0.1	< 0.1
RBC_501 B	0.3	1.1	TBC_456 C	< 0.1	< 0.1
RBC_501 C	0.3	1.1	TBC_471 A	< 0.1	0.9
RBC_501 D	0.2	1.0	TBC_471 B	< 0.1	< 0.1
RBC_522 A	0.5	1.3	TBC_471 C	< 0.1	< 0.1
RBC_522 B	0.2	1.0	TBC_501 A	< 0.1	< 0.1
RBC_522 C	0.8	1.6	TBC_501 B	< 0.1	< 0.1
RBC_522 D	0.2	1.0	TBC_501 C	< 0.1	< 0.1
RBC_548 A	0.6	1.4			

TABLE P10.n

IN-PLANT SURVEY AND SAMPLING DATA (T = 04:15) (11:15)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)
RBC_422 A	0.2	1.0	RBC_548 B	1.2	2.1
RBC_422 B	0.2	1.0	RBC_548 C	0.2	1.0
RBC_422 C	< 0.1	0.9	RBC_548 D	0.2	1.0
RBC_422 D	< 0.1	0.9	RBC_548 E	< 0.1	< 0.1
RBC_441 A	0.2	1.0	RBC_572 A	670.	670.
RBC_441 B	0.1	1.0	RBC_572 B	0.4	1.2
RBC_441 C	0.2	1.0	RBC_572 C	0.2	1.1
RBC_441 D	0.2	1.0	RBC_572 D	0.2	1.1
RBC_441 E	0.1	1.0	RBC_607 A	< 0.1	< 0.1
RBC_441 F	0.2	1.0	RBC_607 B	0.4	1.2
RBC_441 G	0.2	1.0	RBC_607 C	210.	210.
RBC_441 H	0.2	1.0	RWC_452 A	< 0.1	< 0.1
RBC_441 I	28.	29.	TBC_441 A	< 0.1	< 0.1
RBC_471 A	1.6	2.5	TBC_441 B	< 0.1	< 0.1
RBC_471 B	< 0.1	0.9	TBC_441 C	< 0.1	< 0.1
RBC_471 C	0.5	1.3	TBC_441 D	< 0.1	< 0.1
RBC_471 D	0.3	1.1	TBC_456 A	< 0.1	< 0.1
RBC_501 A	0.1	1.0	TBC_456 B	< 0.1	< 0.1
RBC_501 B	0.3	1.1	TBC_456 C	< 0.1	< 0.1
RBC_501 C	0.3	1.2	TBC_471 A	< 0.1	0.9
RBC_501 D	0.2	1.1	TBC_471 B	< 0.1	< 0.1
RBC_522 A	0.5	1.4	TBC_471 C	< 0.1	< 0.1
RBC_522 B	0.2	1.0	TBC_501 A	< 0.1	< 0.1
RBC_522 C	0.8	1.6	TBC_501 B	< 0.1	< 0.1
RBC_522 D	0.2	1.1	TBC_501 C	< 0.1	< 0.1
RBC_548 A	0.6	1.4			

TABLE P10.o

IN-PLANT SURVEY AND SAMPLING DATA (T = 04:30) (11:30)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)
RBC_422 A	0.2	1.1	RBC_548 B	1.2	2.1
RBC_422 B	0.2	1.1	RBC_548 C	0.2	1.1
RBC_422 C	< 0.1	1.0	RBC_548 D	0.2	1.0
RBC_422 D	0.1	1.0	RBC_548 E	< 0.1	< 0.1
RBC_441 A	0.2	1.0	RBC_572 A	660.	660.
RBC_441 B	0.1	1.0	RBC_572 B	0.4	1.2
RBC_441 C	0.2	1.1	RBC_572 C	0.2	1.1
RBC_441 D	0.2	1.1	RBC_572 D	0.3	1.1
RBC_441 E	0.1	1.0	RBC_607 A	< 0.1	< 0.1
RBC_441 F	0.2	1.0	RBC_607 B	0.4	1.3
RBC_441 G	0.2	1.0	RBC_607 C	200.	200.
RBC_441 H	0.2	1.1	RWC_452 A	< 0.1	< 0.1
RBC_441 I	26.	27.	TBC_441 A	< 0.1	< 0.1
RBC_471 A	1.6	2.4	TBC_441 B	< 0.1	< 0.1
RBC_471 B	< 0.1	1.0	TBC_441 C	< 0.1	< 0.1
RBC_471 C	0.4	1.3	TBC_441 D	< 0.1	< 0.1
RBC_471 D	0.3	1.1	TBC_456 A	< 0.1	< 0.1
RBC_501 A	0.1	1.0	TBC_456 B	< 0.1	< 0.1
RBC_501 B	0.3	1.2	TBC_456 C	< 0.1	< 0.1
RBC_501 C	0.3	1.2	TBC_471 A	< 0.1	1.0
RBC_501 D	0.2	1.1	TBC_471 B	< 0.1	< 0.1
RBC_522 A	0.5	1.4	TBC_471 C	< 0.1	< 0.1
RBC_522 B	0.2	1.1	TBC_501 A	< 0.1	< 0.1
RBC_522 C	0.8	1.7	TBC_501 B	< 0.1	< 0.1
RBC_522 D	0.2	1.1	TBC_501 C	< 0.1	< 0.1
RBC_548 A	0.6	1.4			

TABLE P10.p

IN-PLANT SURVEY AND SAMPLING DATA (T = 05:00) (12:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)
RBC_422 A	0.2	1.1	RBC_548 B	1.1	2.0
RBC_422 B	0.2	1.1	RBC_548 C	0.2	1.1
RBC_422 C	< 0.1	1.0	RBC_548 D	0.2	1.1
RBC_422 D	0.1	1.0	RBC_548 E	< 0.1	< 0.1
RBC_441 A	0.2	1.1	RBC_572 A	630.	630.
RBC_441 B	0.1	1.1	RBC_572 B	0.4	1.3
RBC_441 C	0.2	1.1	RBC_572 C	0.2	1.2
RBC_441 D	0.2	1.1	RBC_572 D	0.3	1.2
RBC_441 E	0.2	1.1	RBC_607 A	< 0.1	< 0.1
RBC_441 F	0.2	1.1	RBC_607 B	0.4	1.3
RBC_441 G	0.2	1.1	RBC_607 C	190.	190.
RBC_441 H	0.2	1.1	RWC_452 A	< 0.1	< 0.1
RBC_441 I	23.	24.	TBC_441 A	< 0.1	< 0.1
RBC_471 A	1.4	2.3	TBC_441 B	< 0.1	< 0.1
RBC_471 B.	< 0.1	1.0	TBC_441 C	< 0.1	< 0.1
RBC_471 C	0.4	1.4	TBC_441 D	< 0.1	< 0.1
RBC_471 D	0.3	1.2	TBC_456 A	< 0.1	< 0.1
RBC_501 A	0.1	1.1	TBC_456 B	< 0.1	< 0.1
RBC_501 B	0.3	1.2	TBC_456 C	< 0.1	< 0.1
RBC_501 C	0.3	1.3	TBC_471 A	< 0.1	1.0
RBC_501 D	0.2	1.2	TBC_471 B	< 0.1	< 0.1
RBC_522 A	0.5	1.4	TBC_471 C	< 0.1	< 0.1
RBC_522 B	0.2	1.1	TBC_501 A	< 0.1	< 0.1
RBC_522 C	0.8	1.7	TBC_501 B	< 0.1	< 0.1
RBC_522 D	0.2	1.2	TBC_501 C	< 0.1	< 0.1
RBC_548 A	0.6	1.5			

TABLE P10.q

IN-PLANT SURVEY AND SAMPLING DATA (T = 05:30) (12:30)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)
RBC_422 A	0.2	1.2	RBC_548 B	1.0	2.0
RBC_422 B	0.2	1.2	RBC_548 C	0.2	1.2
RBC_422 C	0.1	1.1	RBC_548 D	0.2	1.2
RBC_422 D	0.1	1.1	RBC_548 E	< 0.1	< 0.1
RBC_441 A	0.2	1.2	RBC_572 A	600.	600.
RBC_441 B	0.1	1.1	RBC_572 B	0.3	1.3
RBC_441 C	0.2	1.2	RBC_572 C	0.2	1.2
RBC_441 D	0.2	1.2	RBC_572 D	0.3	1.2
RBC_441 E	0.2	1.1	RBC_607 A	< 0.1	< 0.1
RBC_441 F	0.2	1.2	RBC_607 B	0.4	1.4
RBC_441 G	0.2	1.2	RBC_607 C	180.	180.
RBC_441 H	0.2	1.2	RWC_452 A	< 0.1	< 0.1
RBC_441 I	20.	21.	TBC_441 A	< 0.1	< 0.1
RBC_471 A	1.3	2.3	TBC_441 B	< 0.1	< 0.1
RBC_471 B	0.1	1.1	TBC_441 C	< 0.1	< 0.1
RBC_471 C	0.4	1.4	TBC_441 D	< 0.1	< 0.1
RBC_471 D	0.3	1.3	TBC_456 A	< 0.1	< 0.1
RBC_501 A	0.1	1.1	TBC_456 B	< 0.1	< 0.1
RBC_501 B	0.3	1.3	TBC_456 C	< 0.1	< 0.1
RBC_501 C	0.3	1.3	TBC_471 A	< 0.1	1.1
RBC_501 D	0.2	1.2	TBC_471 B	< 0.1	< 0.1
RBC_522 A	0.5	1.4	TBC_471 C	< 0.1	< 0.1
RBC_522 B	0.2	1.2	TBC_501 A	< 0.1	< 0.1
RBC_522 C	0.7	1.7	TBC_501 B	< 0.1	< 0.1
RBC_522 D	0.2	1.2	TBC_501 C	< 0.1	< 0.1
RBC_548 A	0.5	1.5			

TABLE P10.r

IN-PLANT SURVEY AND SAMPLING DATA (T = 06:00) (13:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)
RBC_422 A	0.2	1.2	RBC_548 B	0.9	1.9
RBC_422 B	0.2	1.2	RBC_548 C	0.2	1.2
RBC_422 C	0.1	1.1	RBC_548 D	0.2	1.2
RBC_422 D	0.1	1.1	RBC_548 E	< 0.1	< 0.1
RBC_441 A	0.2	1.2	RBC_572 A	580.	580.
RBC_441 B	0.1	1.1	RBC_572 B	0.3	1.4
RBC_441 C	0.2	1.2	RBC_572 C	0.2	1.3
RBC_441 D	0.2	1.2	RBC_572 D	0.3	1.3
RBC_441 E	0.2	1.2	RBC_607 A	< 0.1	< 0.1
RBC_441 F	0.2	1.2	RBC_607 B	0.4	1.4
RBC_441 G	0.2	1.2	RBC_607 C	170.	170.
RBC_441 H	0.2	1.2	RWC_452 A	< 0.1	< 0.1
RBC_441 I	18.	19.	TBC_441 A	< 0.1	< 0.1
RBC_471 A	1.2	2.2	TBC_441 B	< 0.1	< 0.1
RBC_471 B	0.1	1.1	TBC_441 C	< 0.1	< 0.1
RBC_471 C	0.4	1.4	TBC_441 D	< 0.1	< 0.1
RBC_471 D	0.3	1.3	TBC_456 A	< 0.1	< 0.1
RBC_501 A	0.1	1.2	TBC_456 B	< 0.1	< 0.1
RBC_501 B	0.3	1.3	TBC_456 C	< 0.1	< 0.1
RBC_501 C	0.3	1.3	TBC_471 A	< 0.1	1.1
RBC_501 D	0.2	1.3	TBC_471 B	< 0.1	< 0.1
RBC_522 A	0.4	1.5	TBC_471 C	< 0.1	< 0.1
RBC_522 B	0.2	1.2	TBC_501 A	< 0.1	< 0.1
RBC_522 C	0.7	1.7	TBC_501 B	< 0.1	< 0.1
RBC_522 D	0.2	1.2	TBC_501 C	< 0.1	< 0.1
RBC_548 A	0.5	1.5			

TABLE P10.s

IN-PLANT SURVEY AND SAMPLING DATA (T = 06:30) (13:30)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)
RBC_422 A	0.2	1.2	RBC_548 B	0.8	1.8
RBC_422 B	0.2	1.2	RBC_548 C	0.2	1.2
RBC_422 C	0.1	1.1	RBC_548 D	0.2	1.2
RBC_422 D	0.1	1.1	RBC_548 E	< 0.1	< 0.1
RBC_441 A	0.2	1.2	RBC_572 A	560.	560.
RBC_441 B	0.1	1.1	RBC_572 B	0.3	1.4
RBC_441 C	0.2	1.2	RBC_572 C	0.2	1.3
RBC_441 D	0.2	1.2	RBC_572 D	0.3	1.3
RBC_441 E	0.2	1.2	RBC_607 A	< 0.1	< 0.1
RBC_441 F	0.2	1.2	RBC_607 B	0.4	1.4
RBC_441 G	0.2	1.2	RBC_607 C	170.	170.
RBC_441 H	0.2	1.2	RWC_452 A	< 0.1	< 0.1
RBC_441 I	16.	17.	TBC_441 A	< 0.1	< 0.1
RBC_471 A	1.0	2.1	TBC_441 B	< 0.1	< 0.1
RBC_471 B	0.1	1.1	TBC_441 C	< 0.1	< 0.1
RBC_471 C	0.4	1.4	TBC_441 D	< 0.1	< 0.1
RBC_471 D	0.3	1.3	TBC_456 A	< 0.1	< 0.1
RBC_501 A	0.1	1.2	TBC_456 B	< 0.1	< 0.1
RBC_501 B	0.3	1.3	TBC_456 C	< 0.1	< 0.1
RBC_501 C	0.3	1.3	TBC_471 A	< 0.1	1.1
RBC_501 D	0.2	1.3	TBC_471 B	< 0.1	< 0.1
RBC_522 A	0.4	1.4	TBC_471 C	< 0.1	< 0.1
RBC_522 B	0.2	1.2	TBC_501 A	< 0.1	< 0.1
RBC_522 C	0.7	1.7	TBC_501 B	< 0.1	< 0.1
RBC_522 D	0.2	1.3	TBC_501 C	< 0.1	< 0.1
RBC_548 A	0.5	1.5			

TABLE P10.t

IN-PLANT SURVEY AND SAMPLING DATA (T = 07:00) (14:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)
RBC_422 A	0.2	1.2	RBC_548 B	0.7	1.7
RBC_422 B	0.2	1.2	RBC_548 C	0.2	1.2
RBC_422 C	< 0.1	1.1	RBC_548 D	0.2	1.2
RBC_422 D	0.1	1.1	RBC_548 E	< 0.1	< 0.1
RBC_441 A	0.2	1.2	RBC_572 A	540.	540.
RBC_441 B	0.1	1.1	RBC_572 B	0.3	1.3
RBC_441 C	0.2	1.2	RBC_572 C	0.2	1.3
RBC_441 D	0.2	1.2	RBC_572 D	0.3	1.3
RBC_441 E	0.2	1.2	RBC_607 A	< 0.1	< 0.1
RBC_441 F	0.2	1.2	RBC_607 B	0.4	1.4
RBC_441 G	0.2	1.2	RBC_607 C	160.	160.
RBC_441 H	0.2	1.2	RWC_452 A	< 0.1	< 0.1
RBC_441 I	14.	15.	TBC_441 A	< 0.1	< 0.1
RBC_471 A	0.9	2.0	TBC_441 B	< 0.1	< 0.1
RBC_471 B	< 0.1	1.1	TBC_441 C	< 0.1	< 0.1
RBC_471 C	0.4	1.4	TBC_441 D	< 0.1	< 0.1
RBC_471 D	0.3	1.3	TBC_456 A	< 0.1	< 0.1
RBC_501 A	0.1	1.2	TBC_456 B	< 0.1	< 0.1
RBC_501 B	0.3	1.3	TBC_456 C	< 0.1	< 0.1
RBC_501 C	0.3	1.3	TBC_471 A	< 0.1	1.1
RBC_501 D	0.2	1.2	TBC_471 B	< 0.1	< 0.1
RBC_522 A	0.4	1.4	TBC_471 C	< 0.1	< 0.1
RBC_522 B	0.2	1.2	TBC_501 A	< 0.1	< 0.1
RBC_522 C	0.6	1.7	TBC_501 B	< 0.1	< 0.1
RBC_522 D	0.2	1.2	TBC_501 C	< 0.1	< 0.1
RBC_548 A	0.5	1.5			

TABLE P10.u

IN-PLANT SURVEY AND SAMPLING DATA (T = 07:30) (14:30)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)
RBC_422 A	0.2	1.2	RBC_548 B	0.7	1.7
RBC_422 B	0.2	1.2	RBC_548 C	0.2	1.2
RBC_422 C	< 0.1	1.1	RBC_548 D	0.2	1.2
RBC_422 D	0.1	1.1	RBC_548 E	< 0.1	< 0.1
RBC_441 A	0.2	1.2	RBC_572 A	520.	520.
RBC_441 B	0.1	1.1	RBC_572 B	0.3	1.3
RBC_441 C	0.2	1.2	RBC_572 C	0.2	1.2
RBC_441 D	0.2	1.2	RBC_572 D	0.3	1.2
RBC_441 E	0.2	1.1	RBC_607 A	< 0.1	< 0.1
RBC_441 F	0.2	1.2	RBC_607 B	0.4	1.4
RBC_441 G	0.2	1.2	RBC_607 C	150.	150.
RBC_441 H	0.2	1.2	RWC_452 A	< 0.1	< 0.1
RBC_441 I	12.	13.	TBC_441 A	< 0.1	< 0.1
RBC_471 A	0.9	1.9	TBC_441 B	< 0.1	< 0.1
RBC_471 B	< 0.1	1.1	TBC_441 C	< 0.1	< 0.1
RBC_471 C	0.3	1.3	TBC_441 D	< 0.1	< 0.1
RBC_471 D	0.3	1.3	TBC_456 A	< 0.1	< 0.1
RBC_501 A	0.1	1.1	TBC_456 B	< 0.1	< 0.1
RBC_501 B	0.3	1.3	TBC_456 C	< 0.1	< 0.1
RBC_501 C	0.3	1.3	TBC_471 A	< 0.1	1.1
RBC_501 D	0.2	1.2	TBC_471 B	< 0.1	< 0.1
RBC_522 A	0.4	1.4	TBC_471 C	< 0.1	< 0.1
RBC_522 B	0.2	1.2	TBC_501 A	< 0.1	< 0.1
RBC_522 C	0.6	1.6	TBC_501 B	< 0.1	< 0.1
RBC_522 D	0.2	1.2	TBC_501 C	< 0.1	< 0.1
RBC_548 A	0.5	1.4			

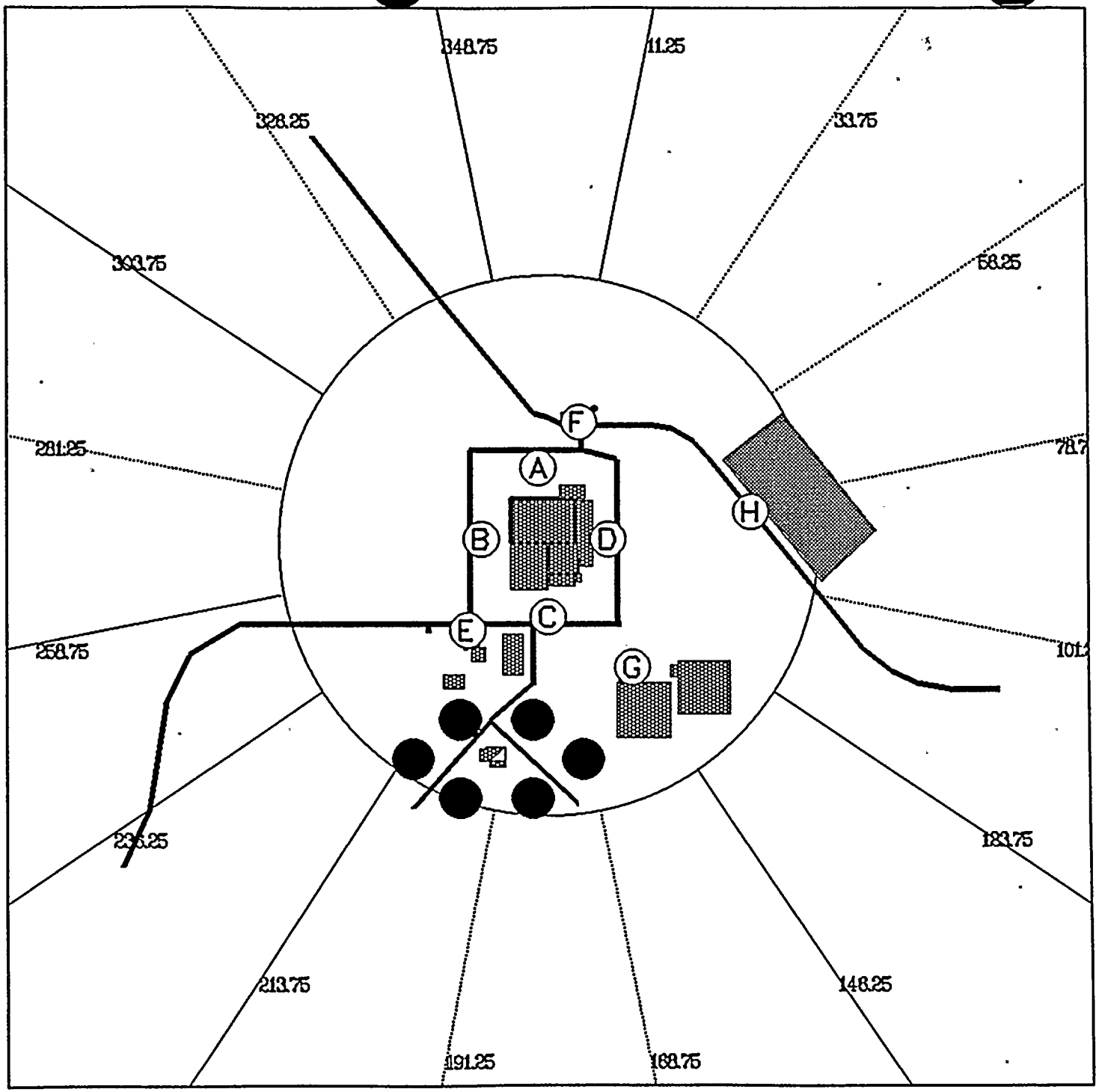
TABLE P10.v

IN-PLANT SURVEY AND SAMPLING DATA (T = 08:00) (15:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)
RBC_422 A	0.2	1.2	RBC_548 B	0.6	1.6
RBC_422 B	0.2	1.1	RBC_548 C	0.2	1.1
RBC_422 C	< 0.1	1.1	RBC_548 D	0.2	1.1
RBC_422 D	< 0.1	1.1	RBC_548 E	< 0.1	< 0.1
RBC_441 A	0.2	1.1	RBC_572 A	510.	510.
RBC_441 B	0.1	1.1	RBC_572 B	0.3	1.3
RBC_441 C	0.2	1.1	RBC_572 C	0.2	1.2
RBC_441 D	0.2	1.2	RBC_572 D	0.2	1.2
RBC_441 E	0.1	1.1	RBC_607 A	< 0.1	< 0.1
RBC_441 F	0.2	1.1	RBC_607 B	0.4	1.3
RBC_441 G	0.2	1.1	RBC_607 C	150.	150.
RBC_441 H	0.2	1.1	RWC_452 A	< 0.1	< 0.1
RBC_441 I	11.	12.	TBC_441 A	< 0.1	< 0.1
RBC_471 A	0.8	1.8	TBC_441 B	< 0.1	< 0.1
RBC_471 B	< 0.1	1.1	TBC_441 C	< 0.1	< 0.1
RBC_471 C	0.3	1.3	TBC_441 D	< 0.1	< 0.1
RBC_471 D	0.3	1.2	TBC_456 A	< 0.1	< 0.1
RBC_501 A	0.1	1.1	TBC_456 B	< 0.1	< 0.1
RBC_501 B	0.3	1.2	TBC_456 C	< 0.1	< 0.1
RBC_501 C	0.3	1.2	TBC_471 A	< 0.1	1.1
RBC_501 D	0.2	1.2	TBC_471 B	< 0.1	< 0.1
RBC_522 A	0.3	1.3	TBC_471 C	< 0.1	< 0.1
RBC_522 B	0.2	1.2	TBC_501 A	< 0.1	< 0.1
RBC_522 C	0.6	1.6	TBC_501 B	< 0.1	< 0.1
RBC_522 D	0.2	1.2	TBC_501 C	< 0.1	< 0.1
RBC_548 A	0.4	1.4			

WNP-2

1/2 Mile Site Plan



Ⓢ Survey Location

Water

Steel/Equip

Buildings

Warehouses

Roads

Grid Lines

Bndry Lines

TABLE P11.a

ONSITE SURVEY AND SAMPLING DATA (T = 00:00) (07:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.b

ONSITE SURVEY AND SAMPLING DATA (T = 01:00) (08:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.c

ONSITE SURVEY AND SAMPLING DATA (T = 01:30) (08:30)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	0.1	0.1	1.6
B	< 0.1	< 0.1	1.6
C	0.2	0.2	0.6
D	0.6	0.6	0.9
E	< 0.1	< 0.1	0.5
F	< 0.1	< 0.1	0.8
G	0.2	0.2	0.1
H	0.2	0.2	< 0.1

TABLE P11.d

ONSITE SURVEY AND SAMPLING DATA (T = 01:45) (08:45)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	1.0	1.0	1.9
B	0.7	0.7	1.9
C	1.2	1.2	0.7
D	4.2	4.2	1.0
E	0.4	0.4	0.5
F	0.6	0.6	1.0
G	1.5	1.5	0.1
H	1.7	1.7	< 0.1

TABLE P11.e

ONSITE SURVEY AND SAMPLING DATA (T = 02:00) (09:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	0.8	0.8	0.9
B	0.6	0.6	0.9
C	1.0	1.0	0.3
D	3.5	3.5	0.5
E	0.3	0.3	0.3
F	0.5	0.5	0.5
G	1.3	1.3	< 0.1
H	1.5	1.5	< 0.1

TABLE P11.f

ONSITE SURVEY AND SAMPLING DATA (T = 02:15) (09:15)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	0.7	0.7	0.5
B	0.5	0.5	0.5
C	0.9	0.9	0.2
D	3.1	3.1	0.3
E	0.3	0.3	0.1
F	0.5	0.5	0.3
G	1.1	1.1	< 0.1
H	1.3	1.3	< 0.1

TABLE P11.g

ONSITE SURVEY AND SAMPLING DATA (T = 02:30) (09:30)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.h

ONSITE SURVEY AND SAMPLING DATA (T = 02:45) (09:45)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.i

ONSITE SURVEY AND SAMPLING DATA (T = 03:00) (10:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.j

ONSITE SURVEY AND SAMPLING DATA (T = 03:15) (10:15)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.k

ONSITE SURVEY AND SAMPLING DATA (T = 03:30) (10:30)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.1

ONSITE SURVEY AND SAMPLING DATA (T = 03:45) (10:45)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.m

ONSITE SURVEY AND SAMPLING DATA (T = 04:00) (11:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.n

ONSITE SURVEY AND SAMPLING DATA (T = 04:15) (11:15)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.o

ONSITE SURVEY AND SAMPLING DATA (T = 04:30) (11:30)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.p

ONSITE SURVEY AND SAMPLING DATA (T = 05:00) (12:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.q

ONSITE SURVEY AND SAMPLING DATA (T = 05:30) (12:30)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.r

ONSITE SURVEY AND SAMPLING DATA (T = 06:00) (13:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.s

ONSITE SURVEY AND SAMPLING DATA (T = 06:30) (13:30)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.t

ONSITE SURVEY AND SAMPLING DATA (T = 07:00) (14:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.u

ONSITE SURVEY AND SAMPLING DATA (T = 07:30) (14:30)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.v

ONSITE SURVEY AND SAMPLING DATA (T = 08:00) (15:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P12.a

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 00:00) (07:00)

The Environment cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	3.91E-16 uCi/cc
Kr-87	4.49E-16 uCi/cc
Kr-88	7.17E-16 uCi/cc
Xe-133	3.96E-15 uCi/cc
Xe-135	6.67E-15 uCi/cc
Xe-138	4.16E-16 uCi/cc
TOTAL GAS SAMPLE	1.27E-14 uCi/cc
I-131	3.19E-16 uCi/cc
I-132	6.07E-16 uCi/cc
I-133	2.09E-15 uCi/cc
I-134	3.69E-16 uCi/cc
I-135	2.83E-15 uCi/cc
TOTAL CHARCOAL SAMPLE	6.23E-15 uCi/cc
Cs-137	1.56E-17 uCi/cc
Np-239	8.75E-17 uCi/cc
TOTAL FILTER SAMPLE	1.10E-16 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:3.4E+1
For 4" lead shield divide dose rate by:7.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.3E+7 Hours
Stay Time: 2 MPC hr (in mask):6.7E+8 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):9.9E+9 Hours

TABLE P12.b

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 01:00) (08:00)

The Environment cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	6.91E-16 uCi/cc
Kr-87	7.03E-16 uCi/cc
Kr-88	1.27E-15 uCi/cc
Xe-133	6.04E-15 uCi/cc
Xe-135	5.92E-15 uCi/cc
Xe-138	1.56E-16 uCi/cc
TOTAL GAS SAMPLE	1.50E-14 uCi/cc
I-131	4.69E-16 uCi/cc
I-132	9.92E-16 uCi/cc
I-133	3.13E-15 uCi/cc
I-134	5.91E-16 uCi/cc
I-135	4.38E-15 uCi/cc
TOTAL CHARCOAL SAMPLE	9.58E-15 uCi/cc
Cs-137	2.18E-17 uCi/cc
Np-239	1.21E-16 uCi/cc
TOTAL FILTER SAMPLE	1.54E-16 uCi/cc

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:3.2E+1
For 4" lead shield divide dose rate by:7.1E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):9.0E+6 Hours
Stay Time: 2 MPC hr (in mask):4.5E+8 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):9.9E+9 Hours

TABLE P12.c

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 01:30) (08:30)

The Environment cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	3.36E-09 uCi/cc
Kr-87	5.86E-09 uCi/cc
Kr-88	9.31E-09 uCi/cc
Xe-133	2.51E-08 uCi/cc
Xe-133m	8.81E-10 uCi/cc
Xe-135	6.02E-09 uCi/cc
Xe-138	1.03E-08 uCi/cc
TOTAL GAS SAMPLE	6.14E-08 uCi/cc
Br-83	3.22E-12 uCi/cc
Br-84	3.68E-12 uCi/cc
I-131	3.39E-11 uCi/cc
I-132	4.40E-11 uCi/cc
I-133	6.71E-11 uCi/cc
I-134	5.96E-11 uCi/cc
I-135	5.80E-11 uCi/cc
TOTAL CHARCOAL SAMPLE	2.70E-10 uCi/cc
Rb-88	9.61E-12 uCi/cc
Cs-134	1.97E-12 uCi/cc
Cs-136	7.26E-13 uCi/cc
Cs-137	1.32E-12 uCi/cc
TOTAL FILTER SAMPLE	1.37E-11 uCi/cc

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TABLE P12.c

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 01:30) (08:30)
(continued)

The Environment cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.7E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: 0.1 mRem/hr
Net Air Sample Contact Rate: 1.6 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):5.3E+1 Hours
Stay Time: 2 MPC hr (in mask):2.7E+3 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):1.1E+5 Hours

TABLE P12.d

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 01:45) (08:45)

The Environment cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	6.39E-09 uCi/cc
Kr-87	1.08E-08 uCi/cc
Kr-88	1.76E-08 uCi/cc
Xe-133	4.82E-08 uCi/cc
Xe-133m	1.69E-09 uCi/cc
Xe-135	1.16E-08 uCi/cc
Xe-138	1.59E-08 uCi/cc
TOTAL GAS SAMPLE	1.13E-07 uCi/cc
Br-83	3.69E-12 uCi/cc
Br-84	3.91E-12 uCi/cc
I-131	3.97E-11 uCi/cc
I-132	5.03E-11 uCi/cc
I-133	7.83E-11 uCi/cc
I-134	6.57E-11 uCi/cc
I-135	6.74E-11 uCi/cc
TOTAL CHARCOAL SAMPLE	3.09E-10 uCi/cc
Rb-88	1.50E-11 uCi/cc
Cs-134	3.22E-12 uCi/cc
Cs-136	1.18E-12 uCi/cc
Cs-137	2.16E-12 uCi/cc
TOTAL FILTER SAMPLE	2.16E-11 uCi/cc

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TABLE P12.d

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 01:45) (08:45)
(continued)

The Environment cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.7E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: 0.1 mRem/hr
Net Air Sample Contact Rate: 1.9 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):3.2E+1 Hours
Stay Time: 2 MPC hr (in mask):1.6E+3 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):6.5E+4 Hours

TABLE P12.e

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 02:00) (09:00)

The Environment cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	5.41E-09 uCi/cc
Kr-87	8.89E-09 uCi/cc
Kr-88	1.48E-08 uCi/cc
Xe-133	4.13E-08 uCi/cc
Xe-133m	1.45E-09 uCi/cc
Xe-135	9.88E-09 uCi/cc
Xe-138	1.10E-08 uCi/cc
TOTAL GAS SAMPLE	9.34E-08 uCi/cc
Br-83	1.70E-12 uCi/cc
Br-84	1.67E-12 uCi/cc
I-131	1.87E-11 uCi/cc
I-132	2.32E-11 uCi/cc
I-133	3.69E-11 uCi/cc
I-134	2.93E-11 uCi/cc
I-135	3.15E-11 uCi/cc
TOTAL CHARCOAL SAMPLE	1.43E-10 uCi/cc
Rb-88	1.08E-11 uCi/cc
Cs-134	2.27E-12 uCi/cc
Cs-136	8.34E-13 uCi/cc
Cs-137	1.52E-12 uCi/cc
TOTAL FILTER SAMPLE	1.54E-11 uCi/cc

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TABLE P12.e

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 02:00) (09:00)
(continued)

The Environment cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 0.9 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):4.3E+1 Hours
Stay Time: 2 MPC hr (in mask):2.2E+3 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):8.6E+4 Hours

TABLE P12.f

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 02:15) (09:15)

The Environment cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	5.08E-09 uCi/cc
Kr-87	8.12E-09 uCi/cc
Kr-88	1.38E-08 uCi/cc
Xe-133	3.92E-08 uCi/cc
Xe-133m	1.37E-09 uCi/cc
Xe-135	9.35E-09 uCi/cc
Xe-138	8.41E-09 uCi/cc
TOTAL GAS SAMPLE	8.60E-08 uCi/cc
Br-83	8.91E-13 uCi/cc
Br-84	8.13E-13 uCi/cc
I-131	9.99E-12 uCi/cc
I-132	1.21E-11 uCi/cc
I-133	1.96E-11 uCi/cc
I-134	1.48E-11 uCi/cc
I-135	1.67E-11 uCi/cc
TOTAL CHARCOAL SAMPLE	7.50E-11 uCi/cc
Rb-88	8.80E-12 uCi/cc
Cs-134	1.79E-12 uCi/cc
Cs-136	6.59E-13 uCi/cc
Cs-137	1.20E-12 uCi/cc
TOTAL FILTER SAMPLE	1.25E-11 uCi/cc

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TABLE P12.f

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 02:15) (09:15)
(continued)

The Environment cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: 0.5 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):5.0E+1 Hours
Stay Time: 2 MPC hr (in mask):2.5E+3 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):1.0E+5 Hours

TABLE P12.g

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 02:30) (09:30)

The Environment cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	1.28E-12 uCi/cc
Kr-87	1.99E-12 uCi/cc
Kr-88	3.45E-12 uCi/cc
Xe-133	9.98E-12 uCi/cc
Xe-133m	3.49E-13 uCi/cc
Xe-135	2.37E-12 uCi/cc
Xe-138	1.73E-12 uCi/cc
TOTAL GAS SAMPLE	2.13E-11 uCi/cc
Br-83	1.53E-14 uCi/cc
Br-84	1.29E-14 uCi/cc
I-131	1.75E-13 uCi/cc
I-132	2.08E-13 uCi/cc
I-133	3.44E-13 uCi/cc
I-134	2.44E-13 uCi/cc
I-135	2.91E-13 uCi/cc
TOTAL CHARCOAL SAMPLE	1.29E-12 uCi/cc
Rb-88	2.33E-13 uCi/cc
Cs-134	1.07E-13 uCi/cc
Cs-136	3.95E-14 uCi/cc
Cs-137	7.20E-14 uCi/cc
TOTAL FILTER SAMPLE	4.64E-13 uCi/cc

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TABLE P12.g

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 02:30) (09:30)
(continued)

The Environment cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:4.0E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):4.3E+4 Hours
Stay Time: 2 MPC hr (in mask):2.1E+6 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):8.5E+7 Hours

TABLE P12.h

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 02:45) (09:45)

The Environment cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	8.25E-13 uCi/cc
Kr-87	1.25E-12 uCi/cc
Kr-88	2.21E-12 uCi/cc
Xe-133	6.51E-12 uCi/cc
Xe-133m	2.28E-13 uCi/cc
Xe-135	1.54E-12 uCi/cc
Xe-138	9.12E-13 uCi/cc
TOTAL GAS SAMPLE	1.36E-11 uCi/cc
Br-83	1.22E-14 uCi/cc
I-131	1.43E-13 uCi/cc
I-132	1.66E-13 uCi/cc
I-133	2.80E-13 uCi/cc
I-134	1.88E-13 uCi/cc
I-135	2.36E-13 uCi/cc
TOTAL CHARCOAL SAMPLE	1.03E-12 uCi/cc
Rb-88	1.96E-13 uCi/cc
Cs-134	1.05E-13 uCi/cc
Cs-136	3.86E-14 uCi/cc
Cs-137	7.04E-14 uCi/cc
TOTAL FILTER SAMPLE	4.21E-13 uCi/cc

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TABLE P12.h

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 02:45) (09:45)
(continued)

The Environment cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:4.1E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):5.4E+4 Hours
Stay Time: 2 MPC hr (in mask):2.7E+6 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):1.1E+8 Hours

TABLE P12.i

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 03:00) (10:00)

The Environment cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	6.61E-13 uCi/cc
Kr-87	9.70E-13 uCi/cc
Kr-88	1.76E-12 uCi/cc
Xe-133	5.27E-12 uCi/cc
Xe-133m	1.84E-13 uCi/cc
Xe-135	1.24E-12 uCi/cc
Xe-138	5.97E-13 uCi/cc
TOTAL GAS SAMPLE	1.08E-11 uCi/cc
Br-83	9.66E-15 uCi/cc
I-131	1.15E-13 uCi/cc
I-132	1.31E-13 uCi/cc
I-133	2.25E-13 uCi/cc
I-134	1.44E-13 uCi/cc
I-135	1.89E-13 uCi/cc
TOTAL CHARCOAL SAMPLE	8.21E-13 uCi/cc
Rb-88	1.66E-13 uCi/cc
Cs-134	1.02E-13 uCi/cc
Cs-136	3.73E-14 uCi/cc
Cs-137	6.81E-14 uCi/cc
TOTAL FILTER SAMPLE	3.83E-13 uCi/cc

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TABLE P12.i

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 03:00) (10:00)
(continued)

The Environment cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:4.1E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):6.7E+4 Hours
Stay Time: 2 MPC hr (in mask):3.3E+6 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):1.3E+8 Hours

TABLE P12.j

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 03:15) (10:15)

The Environment cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	6.20E-13 uCi/cc
Kr-87	8.85E-13 uCi/cc
Kr-88	1.64E-12 uCi/cc
Xe-133	4.99E-12 uCi/cc
Xe-133m	1.75E-13 uCi/cc
Xe-135	1.17E-12 uCi/cc
Xe-138	4.58E-13 uCi/cc
TOTAL GAS SAMPLE	1.00E-11 uCi/cc
Br-83	7.59E-15 uCi/cc
I-131	9.25E-14 uCi/cc
I-132	1.03E-13 uCi/cc
I-133	1.80E-13 uCi/cc
I-134	1.09E-13 uCi/cc
I-135	1.51E-13 uCi/cc
TOTAL CHARCOAL SAMPLE	6.48E-13 uCi/cc
Rb-88	1.44E-13 uCi/cc
Cs-134	9.71E-14 uCi/cc
Cs-136	3.57E-14 uCi/cc
Cs-137	6.51E-14 uCi/cc
TOTAL FILTER SAMPLE	3.52E-13 uCi/cc

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TABLE P12.j

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 03:15) (10:15)
(continued)

The Environment cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:4.0E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):8.1E+4 Hours
Stay Time: 2 MPC hr (in mask):4.0E+6 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):1.6E+8 Hours

TABLE P12.k

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 03:30) (10:30)

The Environment cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	6.30E-13 uCi/cc
Kr-87	8.75E-13 uCi/cc
Kr-88	1.66E-12 uCi/cc
Xe-133	5.13E-12 uCi/cc
Xe-133m	1.79E-13 uCi/cc
Xe-135	1.20E-12 uCi/cc
Xe-138	3.81E-13 uCi/cc
TOTAL GAS SAMPLE	1.01E-11 uCi/cc
Br-83	5.94E-15 uCi/cc
I-131	7.39E-14 uCi/cc
I-132	8.06E-14 uCi/cc
I-133	1.44E-13 uCi/cc
I-134	8.20E-14 uCi/cc
I-135	1.19E-13 uCi/cc
TOTAL CHARCOAL SAMPLE	5.09E-13 uCi/cc
Rb-88	1.28E-13 uCi/cc
Cs-134	9.21E-14 uCi/cc
Cs-136	3.38E-14 uCi/cc
Cs-137	6.17E-14 uCi/cc
TOTAL FILTER SAMPLE	3.25E-13 uCi/cc

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TABLE P12.k

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 03:30) (10:30)
(continued)

The Environment cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:4.0E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):9.6E+4 Hours
Stay Time: 2 MPC hr (in mask):4.8E+6 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):1.9E+8 Hours

TABLE P12.1

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 03:45) (10:45)

The Environment cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	6.62E-13 uCi/cc
Kr-87	8.93E-13 uCi/cc
Kr-88	1.73E-12 uCi/cc
Xe-133	5.45E-12 uCi/cc
Xe-133m	1.90E-13 uCi/cc
Xe-135	1.27E-12 uCi/cc
Xe-138	3.27E-13 uCi/cc
TOTAL GAS SAMPLE	1.06E-11 uCi/cc
Br-83	4.64E-15 uCi/cc
I-131	5.89E-14 uCi/cc
I-132	6.29E-14 uCi/cc
I-133	1.14E-13 uCi/cc
I-134	6.18E-14 uCi/cc
I-135	9.46E-14 uCi/cc
TOTAL CHARCOAL SAMPLE	4.00E-13 uCi/cc
Rb-88	1.17E-13 uCi/cc
Cs-134	8.66E-14 uCi/cc
Cs-136	3.18E-14 uCi/cc
Cs-137	5.80E-14 uCi/cc
TOTAL FILTER SAMPLE	3.02E-13 uCi/cc

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TABLE P12.1

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 03:45) (10:45)
(continued)

The Environment cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:3.9E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.1E+5 Hours
Stay Time: 2 MPC hr (in mask):5.7E+6 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):2.3E+8 Hours

TABLE P12.m

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 04:00) (11:00)

The Environment cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	7.02E-13 uCi/cc
Kr-87	9.21E-13 uCi/cc
Kr-88	1.82E-12 uCi/cc
Xe-133	5.84E-12 uCi/cc
Xe-133m	2.04E-13 uCi/cc
Xe-135	1.35E-12 uCi/cc
Xe-138	2.84E-13 uCi/cc
TOTAL GAS SAMPLE	1.12E-11 uCi/cc
Br-83	3.63E-15 uCi/cc
I-131	4.70E-14 uCi/cc
I-132	4.91E-14 uCi/cc
I-133	9.12E-14 uCi/cc
I-134	4.66E-14 uCi/cc
I-135	7.50E-14 uCi/cc
TOTAL CHARCOAL SAMPLE	3.14E-13 uCi/cc
Rb-88	1.10E-13 uCi/cc
Cs-134	8.10E-14 uCi/cc
Cs-136	2.97E-14 uCi/cc
Cs-137	5.43E-14 uCi/cc
TOTAL FILTER SAMPLE	2.82E-13 uCi/cc

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TABLE P12.m

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 04:00) (11:00)
(continued)

The Environment cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.4E+1
For 4" lead shield divide dose rate by:3.8E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.3E+5 Hours
Stay Time: 2 MPC hr (in mask):6.5E+6 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):2.6E+8 Hours

TABLE P12.n

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 04:15) (11:15)

The Environment cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	7.44E-13 uCi/cc
Kr-87	9.49E-13 uCi/cc
Kr-88	1.92E-12 uCi/cc
Xe-133	6.26E-12 uCi/cc
Xe-133m	2.18E-13 uCi/cc
Xe-135	1.45E-12 uCi/cc
Xe-138	2.46E-13 uCi/cc
TOTAL GAS SAMPLE	1.19E-11 uCi/cc
Br-83	2.84E-15 uCi/cc
I-131	3.76E-14 uCi/cc
I-132	3.84E-14 uCi/cc
I-133	7.28E-14 uCi/cc
I-134	3.52E-14 uCi/cc
I-135	5.96E-14 uCi/cc
TOTAL CHARCOAL SAMPLE	2.48E-13 uCi/cc
Rb-88	1.04E-13 uCi/cc
Cs-134	7.53E-14 uCi/cc
Cs-136	2.77E-14 uCi/cc
Cs-137	5.04E-14 uCi/cc
TOTAL FILTER SAMPLE	2.65E-13 uCi/cc

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TABLE P12.n

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 04:15) (11:15)
(continued)

The Environment cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.8E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.5E+5 Hours
Stay Time: 2 MPC hr (in mask):7.4E+6 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):3.0E+8 Hours

TABLE P12.o

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 04:30) (11:30)

The Environment cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	7.86E-13 uCi/cc
Kr-87	9.75E-13 uCi/cc
Kr-88	2.01E-12 uCi/cc
Xe-133	6.69E-12 uCi/cc
Xe-133m	2.33E-13 uCi/cc
Xe-135	1.54E-12 uCi/cc
Xe-138	2.13E-13 uCi/cc
TOTAL GAS SAMPLE	1.25E-11 uCi/cc
Br-83	2.23E-15 uCi/cc
I-131	3.02E-14 uCi/cc
I-132	3.02E-14 uCi/cc
I-133	5.84E-14 uCi/cc
I-134	2.67E-14 uCi/cc
I-135	4.75E-14 uCi/cc
TOTAL CHARCOAL SAMPLE	1.96E-13 uCi/cc
Rb-88	1.01E-13 uCi/cc
Cs-134	6.96E-14 uCi/cc
Cs-136	2.56E-14 uCi/cc
Cs-137	4.67E-14 uCi/cc
TOTAL FILTER SAMPLE	2.49E-13 uCi/cc

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TABLE P12.o

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 04:30) (11:30)
(continued)

The Environment cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.7E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):1.7E+5 Hours
Stay Time: 2 MPC hr (in mask):8.3E+6 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):3.3E+8 Hours

TABLE P12.p

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 05:00) (12:00)

The Environment cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	8.65E-13 uCi/cc
Kr-87	1.01E-12 uCi/cc
Kr-88	2.19E-12 uCi/cc
Xe-133	7.52E-12 uCi/cc
Xe-133m	2.62E-13 uCi/cc
Xe-135	1.71E-12 uCi/cc
Xe-138	1.57E-13 uCi/cc
TOTAL GAS SAMPLE	1.38E-11 uCi/cc
Br-83	1.41E-15 uCi/cc
I-131	1.98E-14 uCi/cc
I-132	1.90E-14 uCi/cc
I-133	3.82E-14 uCi/cc
I-134	1.56E-14 uCi/cc
I-135	3.09E-14 uCi/cc
TOTAL CHARCOAL SAMPLE	1.26E-13 uCi/cc
Rb-88	9.73E-14 uCi/cc
Cs-134	5.89E-14 uCi/cc
Cs-136	2.16E-14 uCi/cc
Cs-137	3.95E-14 uCi/cc
TOTAL FILTER SAMPLE	2.23E-13 uCi/cc

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TABLE P12.p

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 05:00) (12:00)
(continued)

The Environment cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.7E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):2.0E+5 Hours
Stay Time: 2 MPC hr (in mask):1.0E+7 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):4.0E+8 Hours

TABLE P12.q

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 05:30) (12:30)

The Environment cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	9.29E-13 uCi/cc
Kr-87	1.03E-12 uCi/cc
Kr-88	2.32E-12 uCi/cc
Xe-133	8.25E-12 uCi/cc
Xe-133m	2.87E-13 uCi/cc
Xe-135	1.86E-12 uCi/cc
TOTAL GAS SAMPLE	1.49E-11 uCi/cc
Br-83	9.15E-16 uCi/cc
I-131	1.34E-14 uCi/cc
I-132	1.24E-14 uCi/cc
I-133	2.59E-14 uCi/cc
I-134	9.46E-15 uCi/cc
I-135	2.07E-14 uCi/cc
TOTAL CHARCOAL SAMPLE	8.31E-14 uCi/cc
Rb-88	9.65E-14 uCi/cc
Cs-134	4.91E-14 uCi/cc
Cs-136	1.80E-14 uCi/cc
Cs-137	3.29E-14 uCi/cc
TOTAL FILTER SAMPLE	2.01E-13 uCi/cc

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TABLE P12.q

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 05:30) (12:30)
(continued)

The Environment cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):2.3E+5 Hours
Stay Time: 2 MPC hr (in mask):1.1E+7 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):4.6E+8 Hours

TABLE P12.r

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 06:00) (13:00)

The Environment cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	9.73E-13 uCi/cc
Kr-87	1.01E-12 uCi/cc
Kr-88	2.39E-12 uCi/cc
Xe-133	8.84E-12 uCi/cc
Xe-133m	3.07E-13 uCi/cc
Xe-135	1.98E-12 uCi/cc
TOTAL GAS SAMPLE	1.57E-11 uCi/cc
Br-83	6.18E-16 uCi/cc
I-131	9.49E-15 uCi/cc
I-132	8.35E-15 uCi/cc
I-133	1.82E-14 uCi/cc
I-134	5.91E-15 uCi/cc
I-135	1.45E-14 uCi/cc
TOTAL CHARCOAL SAMPLE	5.73E-14 uCi/cc
Rb-88	9.44E-14 uCi/cc
Cs-134	4.05E-14 uCi/cc
Cs-136	1.49E-14 uCi/cc
Cs-137	2.72E-14 uCi/cc
TOTAL FILTER SAMPLE	1.80E-13 uCi/cc

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TABLE P12.r

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 06:00) (13:00)
(continued)

The Environment cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):2.5E+5 Hours
Stay Time: 2 MPC hr (in mask):1.3E+7 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):5.1E+8 Hours

TABLE P12.s

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 06:30) (13:30)

The Environment cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	9.97E-13 uCi/cc
Kr-87	9.83E-13 uCi/cc
Kr-88	2.42E-12 uCi/cc
Xe-133	9.26E-12 uCi/cc
Xe-133m	3.21E-13 uCi/cc
Xe-135	2.05E-12 uCi/cc
TOTAL GAS SAMPLE	1.62E-11 uCi/cc
Br-83	4.32E-16 uCi/cc
I-131	6.93E-15 uCi/cc
I-132	5.85E-15 uCi/cc
I-133	1.33E-14 uCi/cc
I-134	3.85E-15 uCi/cc
I-135	1.05E-14 uCi/cc
TOTAL CHARCOAL SAMPLE	4.10E-14 uCi/cc
Rb-88	9.45E-14 uCi/cc
Cs-134	3.31E-14 uCi/cc
Cs-136	1.21E-14 uCi/cc
Cs-137	2.22E-14 uCi/cc
TOTAL FILTER SAMPLE	1.64E-13 uCi/cc

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TABLE P12.s

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 06:30) (13:30)
(continued)

The Environment cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):2.8E+5 Hours
Stay Time: 2 MPC hr (in mask):1.4E+7 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):5.5E+8 Hours

TABLE P12.t

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 07:00) (14:00)

The Environment cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	1.00E-12 uCi/cc
Kr-87	9.32E-13 uCi/cc
Kr-88	2.40E-12 uCi/cc
Xe-133	9.49E-12 uCi/cc
Xe-133m	3.29E-13 uCi/cc
Xe-135	2.08E-12 uCi/cc
TOTAL GAS SAMPLE	1.64E-11 uCi/cc
Br-83	3.13E-16 uCi/cc
I-131	5.24E-15 uCi/cc
I-132	4.24E-15 uCi/cc
I-133	1.01E-14 uCi/cc
I-134	2.60E-15 uCi/cc
I-135	7.90E-15 uCi/cc
TOTAL CHARCOAL SAMPLE	3.04E-14 uCi/cc
Rb-88	9.32E-14 uCi/cc
Cs-134	2.68E-14 uCi/cc
Cs-136	9.82E-15 uCi/cc
Cs-137	1.79E-14 uCi/cc
TOTAL FILTER SAMPLE	1.50E-13 uCi/cc

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TABLE P12.t

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 07:00) (14:00)
(continued)

The Environment cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):3.0E+5 Hours
Stay Time: 2 MPC hr (in mask):1.5E+7 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):5.9E+8 Hours

TABLE P12.u

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 07:30) (14:30)

The Environment cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	9.90E-13 uCi/cc
Kr-87	8.73E-13 uCi/cc
Kr-88	2.35E-12 uCi/cc
Xe-133	9.61E-12 uCi/cc
Xe-133m	3.32E-13 uCi/cc
Xe-135	2.09E-12 uCi/cc
TOTAL GAS SAMPLE	1.64E-11 uCi/cc
Br-83	2.36E-16 uCi/cc
I-131	4.12E-15 uCi/cc
I-132	3.20E-15 uCi/cc
I-133	7.93E-15 uCi/cc
I-134	1.82E-15 uCi/cc
I-135	6.18E-15 uCi/cc
TOTAL CHARCOAL SAMPLE	2.35E-14 uCi/cc
Rb-88	9.11E-14 uCi/cc
Cs-134	2.17E-14 uCi/cc
Cs-136	7.94E-15 uCi/cc
Cs-137	1.45E-14 uCi/cc
TOTAL FILTER SAMPLE	1.37E-13 uCi/cc

CONTINUED ON NEXT PAGE

TABLE P12.u

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 07:30) (14:30)
(continued)

The Environment cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):3.2E+5 Hours
Stay Time: 2 MPC hr (in mask):1.6E+7 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):6.4E+8 Hours

TABLE P12.v

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 08:00) (15:00)

The Environment cannot be sampled through the PASS system

Nuclide	Concentration
Kr-85m	9.77E-13 uCi/cc
Kr-87	8.14E-13 uCi/cc
Kr-88	2.28E-12 uCi/cc
Xe-133	9.68E-12 uCi/cc
Xe-133m	3.34E-13 uCi/cc
Xe-135	2.09E-12 uCi/cc
TOTAL GAS SAMPLE	1.63E-11 uCi/cc
I-131	3.41E-15 uCi/cc
I-132	2.54E-15 uCi/cc
I-133	6.57E-15 uCi/cc
I-134	1.35E-15 uCi/cc
I-135	5.09E-15 uCi/cc
TOTAL CHARCOAL SAMPLE	1.92E-14 uCi/cc
Rb-88	8.88E-14 uCi/cc
Cs-134	1.76E-14 uCi/cc
Cs-136	6.46E-15 uCi/cc
Cs-137	1.18E-14 uCi/cc
TOTAL FILTER SAMPLE	1.26E-13 uCi/cc

CONTINUED ON NEXT PAGE

TABLE P12.v

AIRBORNE ACTIVITY (PLANT VICINITY) (T = 08:00) (15:00)
(continued)

The Environment cannot be sampled through the PASS system

Normal Sample (15. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (14. ml) Dose Rate at 1 ft.: < 0.1 mR/hr
PASS Sample (charcoal) Dose Rate at 1 ft.: < 0.1 mR/hr per cf
PASS Sample (filter) Dose Rate at 1 ft.: < 0.1 mR/hr per cf

For 2" lead shield divide dose rate by:2.3E+1
For 4" lead shield divide dose rate by:3.6E+2
Hydrogen Concentration: .0%
Oxygen Concentration: 21.0%

Airborne Beta Dose Rate: < 0.1 mRad/hr
Airborne Thyroid Dose Rate: < 0.1 mRem/hr
Net Air Sample Contact Rate: < 0.1 cpm/cf sample

Floor Contamination: < 0.1 cpm/100cm2
Wall and Equipment Contamination: < 0.1 cpm/100cm2
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Personnel Contamination Rate: < 0.1 cpm/100cm2 per minute
Stay Time: 2 MPC hr (no mask):3.4E+5 Hours
Stay Time: 2 MPC hr (in mask):1.7E+7 Hours
Stay Time: 2 MPC hr (in Air Sup. mask):6.7E+8 Hours

TABLE P13.a

CRITICAL PLANT PARAMETER SUMMARY

For Controller and Observer Use Only

Reactor Level (inch)	36.	36.	35.	13.	7.	-11.	-311.	-311.
Reactor Press (psig)	998.	998.	998.	998.	998.	998.	445.	43.
Reactor Power (%)	100.0	100.0	.0	.0	.0	.0	.0	.0
Core Flow (M lb/hr)	1.0E+7	1.0E+7	2.0E+6	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0
Steam Flow (M lb/hr)	6.0E+7	6.0E+7	1.0E+4	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0
Fdwtr Flow (M lb/hr)	6.0E+7	6.0E+7	1.0E+4	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0
Condenser Vac (inHg)	29.	29.	29.	29.	29.	29.	29.	25.
Hotwell Level (inch)	.0	.0	.0	.0	.0	.0	.0	.0
Drywell H2 Conc (%)	.0	.0	.0	.0	.0	.0	.1	.1
Drywell O2 Conc (%)	3.9	3.9	3.9	4.0	4.0	3.6	2.7	2.7
SGTS Flow (cfm)	1.	1.	1.	1.	1000.	1209.	1086.	1000.
Drywell Press (psig)	.8	.8	.8	.9	.1	.4	25.0	23.0
Drywell Temp (deg F)	103.	103.	103.	103.	111.	114.	264.	262.
Supp Pool Temp (F)	82.	82.	82.	82.	87.	91.	104.	109.
Supp Pool Level (ft)	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
Main Stm Rad (mR/hr)	1.0E+3	1.0E+3	1.6E+1	1.6E+1	1.6E+1	1.6E+1	1.6E+1	1.6E+1
Containmnt Rad (R/hr)	1.2E+0	1.2E+0	1.2E+0	1.2E+0	1.2E+0	1.2E+0	5.0E+1	7.9E+1
Cond Stor Tnk (ft)	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
Wetwell Press (psig)	3.0	5.6	5.7	5.9	5.9	6.0	29.6	30.1
T-Time (hr:min)	00:00	00:55	01:00	01:20	01:23	01:27	01:31	01:35
Clock Time (hr:min)	07:00	07:55	08:00	08:20	08:23	08:27	08:31	08:35

Drywell Delta-P	.0	3.8	3.8	4.0	4.4	10.1	4.8	3.1
Drywell Delta-T	0.	0.	0.	0.	0.	0.	0.	0.
Wetwell Delta-T	0.	0.	0.	0.	0.	0.	0.	0.

NOTE:

Drywell Pressure is the pressure calculated by the simulator. Drywell Delta P is the pressure differential due to hydrogen generation and any containment leakage.

Drywell Delta P must be provided to operators of any "live time" plant parameter display screens. (Tables ---- list the sum of Simulator Drywell Pressure and the Delta P, and the sum of the Reactor Pressure and the Delta P)

TABLE P13.b

CRITICAL PLANT PARAMETER SUMMARY

For Controller and Observer Use Only

Reactor Level (inch)	-120.	-22.	-60.	35.	35.	35.	35.	35.
Reactor Press (psig)	20.	13.	11.	24.	23.	23.	23.	20.
Reactor Power (%)	.0	.0	.0	.0	.0	.0	.0	.0
Core Flow (M lb/hr)	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0
Steam Flow (M lb/hr)	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0
Fdwtr Flow (M lb/hr)	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0
Condenser Vac (inHg)	20.	18.	15.	10.	0.	0.	0.	0.
Hotwell Level (inch)	.0	.0	.0	.0	.0	.0	.0	.0
Drywell H2 Conc (%)	.1	.1	.1	.1	.1	.1	.1	.1
Drywell O2 Conc (%)	2.7	2.9	2.9	3.0	2.8	2.8	2.3	2.0
SGTS Flow (cfm)	1000.	1000.	1000.	1000.	1000.	4455.	4455.	4455.
Drywell Press (psig)	19.0	17.0	13.0	10.0	8.0	6.0	6.0	6.0
Drywell Temp (deg F)	256.	253.	246.	239.	220.	220.	220.	210.
Supp Pool Temp (F)	110.	112.	113.	112.	110.	110.	110.	104.
Supp Pool Level (ft)	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
Main Stm Rad (mR/hr)	1.6E+1	1.6E+1	1.6E+1	1.6E+1	1.6E+1	1.6E+1	1.6E+1	1.6E+1
Contnmnt Rad (R/hr)	7.1E+1	6.2E+1	6.0E+1	5.7E+1	3.8E+1	2.5E+1	1.8E+1	1.4E+1
Cond Stor Tnk (ft)	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
Wetwell Press (psig)	29.8	24.8	22.8	19.2	13.3	9.8	10.0	9.9
T-Time (hr:min)	01:38	01:42	01:43	01:45	02:00	02:20	03:00	04:00
Clock Time (hr:min)	08:38	08:42	08:43	08:45	09:00	09:20	10:00	11:00

Drywell Delta-P	5.1	3.1	4.2	5.0	3.5	2.2	3.0	3.3
Drywell Delta-T	0.	0.	0.	0.	0.	0.	0.	0.
Wetwell Delta-T	0.	0.	0.	0.	0.	0.	0.	0.

NOTE:

Drywell Pressure is the pressure calculated by the simulator.
Drywell Delta P is the pressure differential
due to hydrogen generation and any containment leakage.

Drywell Delta P must be provided to operators of
any "live time" plant parameter display screens.
(Tables ---- list the sum of Simulator Drywell Pressure and the
Delta P, and the sum of the Reactor Pressure and the Delta P)

TABLE P13.c

CRITICAL PLANT PARAMETER SUMMARY

For Controller and Observer Use Only

Reactor Level (inch)	35.	35.	35.	35.
Reactor Press (psig)	20.	18.	16.	15.
Reactor Power (%)	.0	.0	.0	.0
Core Flow (M lb/hr)	0.0E+0	0.0E+0	0.0E+0	0.0E+0
Steam Flow (M lb/hr)	0.0E+0	0.0E+0	0.0E+0	0.0E+0
Fdwtr Flow (M lb/hr)	0.0E+0	0.0E+0	0.0E+0	0.0E+0
Condenser Vac (inHg)	0.	0.	0.	0.
Hotwell Level (inch)	.0	.0	.0	.0
Drywell H2 Conc (%)	.1	.1	.1	.1
Drywell O2 Conc (%)	2.3	3.2	2.3	2.1
SGTS Flow (cfm)	4455.	4455.	4455.	4455.
Drywell Press (psig)	5.0	3.0	1.0	1.0
Drywell Temp (deg F)	210.	195.	160.	160.
Supp Pool Temp (F)	104.	104.	104.	103.
Supp Pool Level (ft)	32.0	32.0	32.0	32.0
Main Stm Rad (mR/hr)	1.6E+1	1.6E+1	1.6E+1	1.6E+1
Contnmnt Rad (R/hr)	1.3E+1	1.3E+1	1.2E+1	1.2E+1
Cond Stor Tnk (ft)	26.0	26.0	26.0	26.0
Wetwell Press (psig)	9.4	7.2	4.4	3.5
T-Time (hr:min)	05:00	06:00	07:00	08:00
Clock Time (hr:min)	12:00	13:00	14:00	15:00

Drywell Delta-P	3.6	3.2	2.2	1.5
Drywell Delta-T	0.	0.	0.	0.
Wetwell Delta-T	0.	0.	0.	0.

NOTE:

Drywell Pressure is the pressure calculated by the simulator. Drywell Delta P is the pressure differential due to hydrogen generation and any containment leakage.

Drywell Delta P must be provided to operators of any "live time" plant parameter display screens. (Tables ---- list the sum of Simulator Drywell Pressure and the Delta P, and the sum of the Reactor Pressure and the Delta P)

TABLE P14.a

PUMP AND FAN STATUS SUMMARY (T = 00:00) (07:00)

PUMP STATUS		FAN STATUS	
Lo Press Core Spray	OFF	Standby Gas Treat B	OFF
Hi Press Core Spray	OFF	Standby Gas Treat A	OFF
Suppres Pool Cleanup	OFF	Standby Gas Treat B	OFF
Resid Ht Removal A	OFF	18" to SGTA	OFF
Resid Ht Removal B	OFF	18" to SGTB	OFF
Resid Ht Removal C	OFF	30" to RBV Exhaust	OFF
Drywell Spray A	OFF	RBV Exhaust A CFM	OFF
Drywell Spray B	OFF	RBV Exhaust B CFM	ON
Wetwell Spray A	OFF	Turb Bld Exst 1A CFM	ON
Wetwell Spray B	OFF	Turb Bld Exst 1B CFM	ON
Low Pres Coolant A	OFF	Turb Bld Exst 1C CFM	ON
Low Pres Coolant B	OFF	Turb Bld Exst 1D CFM	OFF
Low Pres Coolant C	OFF	RBV Supply A CFM	ON
RX Cool Inject Steam	OFF	RBV Supply B CFM	OFF
RX Cool Inject Water	OFF	Turb Bld Sply 1A CFM	ON
Control Rod Drive	OFF	Turb Bld Sply 1B CFM	ON
Reactor Water Clean	ON	Turb Bld Sply 2A CFM	ON
Post Accid Samp Liq	OFF	Turb Bld Sply 2B CFM	OFF
Post Accid Samp GAS	OFF	ADS Actuation 1	OFF
		ADS Actuation 2	OFF
		ADS Actuation 3	OFF
		RADW Bld Sply 1A CFM	ON
		RADW Bld Sply 1B CFM	OFF
		RADW Bld Exst 1A CFM	ON
		RADW Bld Sply 1B CFM	OFF

TABLE P14.b

PUMP AND FAN STATUS SUMMARY (T = 00:55) (07:55)

PUMP STATUS		FAN STATUS	
Lo Press Core Spray	OFF	Standby Gas Treat B	OFF
Hi Press Core Spray	OFF	Standby Gas Treat A	OFF
Suppres Pool Cleanup	OFF	Standby Gas Treat B	OFF
Resid Ht Removal A	OFF	18" to SGTA	OFF
Resid Ht Removal B	OFF	18" to SGTB	OFF
Resid Ht Removal C	OFF	30" to RBV Exhaust	OFF
Drywell Spray A	OFF	RBV Exhaust A CFM	OFF
Drywell Spray B	OFF	RBV Exhaust B CFM	ON
Wetwell Spray A	OFF	Turb Bld Exst 1A CFM	ON
Wetwell Spray B	OFF	Turb Bld Exst 1B CFM	ON
Low Pres Coolant A	OFF	Turb Bld Exst 1C CFM	ON
Low Pres Coolant B	OFF	Turb Bld Exst 1D CFM	OFF
Low Pres Coolant C	OFF	RBV Supply A CFM	ON
RX Cool Inject Steam	OFF	RBV Supply B CFM	OFF
RX Cool Inject Water	OFF	Turb Bld Sply 1A CFM	ON
Control Rod Drive	OFF	Turb Bld Sply 1B CFM	ON
Reactor Water Clean	ON	Turb Bld Sply 2A CFM	ON
Post Accid Samp Liq	OFF	Turb Bld Sply 2B CFM	OFF
Post Accid Samp GAS	OFF	ADS Actuation 1	OFF
		ADS Actuation 2	OFF
		ADS Actuation 3	OFF
		RADW Bld Sply 1A CFM	ON
		RADW Bld Sply 1B CFM	OFF
		RADW Bld Exst 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON

TABLE P14.c

PUMP AND FAN STATUS SUMMARY (T = 01:00) (08:00)

PUMP STATUS		FAN STATUS	
Lo Press Core Spray	OFF	Standby Gas Treat B	OFF
Hi Press Core Spray	OFF	Standby Gas Treat A	OFF
Suppres Pool Cleanup	OFF	Standby Gas Treat B	OFF
Resid Ht Removal A	OFF	18" to SGTA	OFF
Resid Ht Removal B	OFF	18" to SGTB	OFF
Resid Ht Removal C	OFF	30" to RBV Exhaust	OFF
Drywell Spray A	OFF	RBV Exhaust A CFM	OFF
Drywell Spray B	OFF	RBV Exhaust B CFM	OFF
Wetwell Spray A	OFF	Turb Bld Exst 1A CFM	ON
Wetwell Spray B	OFF	Turb Bld Exst 1B CFM	ON
Low Pres Coolant A	OFF	Turb Bld Exst 1C CFM	OFF
Low Pres Coolant B	OFF	Turb Bld Exst 1D CFM	ON
Low Pres Coolant C	OFF	RBV Supply A CFM	OFF
RX Cool Inject Steam	ON	RBV Supply B CFM	OFF
RX Cool Inject Water	ON	Turb Bld Sply 1A CFM	OFF
Control Rod Drive	OFF	Turb Bld Sply 1B CFM	ON
Reactor Water Clean	OFF	Turb Bld Sply 2A CFM	OFF
Post Accid Samp Liq	OFF	Turb Bld Sply 2B CFM	OFF
Post Accid Samp GAS	OFF	ADS Actuation 1	ON
		ADS Actuation 2	OFF
		ADS Actuation 3	OFF
		RADW Bld Sply 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON
		RADW Bld Exst 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON

TABLE P14.d

PUMP AND FAN STATUS SUMMARY (T = 01:05) (08:05)

PUMP STATUS		FAN STATUS	
Lo Press Core Spray	OFF	Standby Gas Treat B	OFF
Hi Press Core Spray	OFF	Standby Gas Treat A	OFF
Suppres Pool Cleanup	OFF	Standby Gas Treat B	OFF
Resid Ht Removal A	OFF	18" to SGTA	OFF
Resid Ht Removal B	OFF	18" to SGTB	OFF
Resid Ht Removal C	OFF	30" to RBV Exhaust	OFF
Drywell Spray A	OFF	RBV Exhaust A CFM	OFF
Drywell Spray B	OFF	RBV Exhaust B CFM	OFF
Wetwell Spray A	OFF	Turb Bld Exst 1A CFM	ON
Wetwell Spray B	OFF	Turb Bld Exst 1B CFM	ON
Low Pres Coolant A	OFF	Turb Bld Exst 1C CFM	OFF
Low Pres Coolant B	OFF	Turb Bld Exst 1D CFM	ON
Low Pres Coolant C	OFF	RBV Supply A CFM	OFF
RX Cool Inject Steam	ON	RBV Supply B CFM	OFF
RX Cool Inject Water	ON	Turb Bld Sply 1A CFM	OFF
Control Rod Drive	OFF	Turb Bld Sply 1B CFM	OFF
Reactor Water Clean	OFF	Turb Bld Sply 2A CFM	OFF
Post Accid Samp Liq	OFF	Turb Bld Sply 2B CFM	ON
Post Accid Samp GAS	OFF	ADS Actuation 1	ON
		ADS Actuation 2	OFF
		ADS Actuation 3	OFF
		RADW Bld Sply 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON
		RADW Bld Exst 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON

TABLE P14.e

PUMP AND FAN STATUS SUMMARY (T = 01:20) (08:20)

PUMP STATUS		FAN STATUS	
Lo Press Core Spray	OFF	Standby Gas Treat B	OFF
Hi Press Core Spray	OFF	Standby Gas Treat A	OFF
Suppres Pool Cleanup	OFF	Standby Gas Treat B	OFF
Resid Ht Removal A	OFF	18" to SGTA	OFF
Resid Ht Removal B	OFF	18" to SGTB	OFF
Resid Ht Removal C	OFF	30" to RBV Exhaust	OFF
Drywell Spray A	OFF	RBV Exhaust A CFM	OFF
Drywell Spray B	OFF	RBV Exhaust B CFM	OFF
Wetwell Spray A	OFF	Turb Bld Exst 1A CFM	ON
Wetwell Spray B	OFF	Turb Bld Exst 1B CFM	ON
Low Pres Coolant A	OFF	Turb Bld Exst 1C CFM	OFF
Low Pres Coolant B	OFF	Turb Bld Exst 1D CFM	ON
Low Pres Coolant C	OFF	RBV Supply A CFM	OFF
RX Cool Inject Steam	OFF	RBV Supply B CFM	OFF
RX Cool Inject Water	OFF	Turb Bld Sply 1A CFM	OFF
Control Rod Drive	OFF	Turb Bld Sply 1B CFM	ON
Reactor Water Clean	OFF	Turb Bld Sply 2A CFM	OFF
Post Accid Samp Liq	OFF	Turb Bld Sply 2B CFM	ON
Post Accid Samp GAS	OFF	ADS Actuation 1	OFF
		ADS Actuation 2	OFF
		ADS Actuation 3	OFF
		RADW Bld Sply 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON
		RADW Bld Exst 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON

TABLE P14.f

PUMP AND FAN STATUS SUMMARY (T = 01:25) (08:25)

PUMP STATUS		FAN STATUS	
Lo Press Core Spray	OFF	Standby Gas Treat B	OFF
Hi Press Core Spray	OFF	Standby Gas Treat A	ON
Suppres Pool Cleanup	OFF	Standby Gas Treat B	OFF
Resid Ht. Removal A	OFF	18" to SGTA	ON
Resid Ht Removal B	OFF	18" to SGTB	OFF
Resid Ht Removal C	OFF	30" to RBV Exhaust	OFF
Drywell Spray A	OFF	RBV Exhaust A CFM	OFF
Drywell Spray B	OFF	RBV Exhaust B CFM	OFF
Wetwell Spray A	OFF	Turb Bld Exst 1A CFM	ON
Wetwell Spray B	OFF	Turb Bld Exst 1B CFM	ON
Low Pres Coolant A	OFF	Turb Bld Exst 1C CFM	OFF
Low Pres Coolant B	OFF	Turb Bld Exst 1D CFM	ON
Low Pres Coolant C	OFF	RBV Supply A CFM	OFF
RX Cool Inject Steam	OFF	RBV Supply B CFM	OFF
RX Cool Inject Water	OFF	Turb Bld Sply 1A CFM	OFF
Control Rod Drive	OFF	Turb Bld Sply 1B CFM	ON
Reactor Water Clean	OFF	Turb Bld Sply 2A CFM	OFF
Post Accid Samp Liq	OFF	Turb Bld Sply 2B CFM	ON
Post Accid Samp GAS	OFF	ADS Actuation 1	OFF
		ADS Actuation 2	OFF
		ADS Actuation 3	OFF
		RADW Bld Sply 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON
		RADW Bld Exst 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON

TABLE P14.g

PUMP AND FAN STATUS SUMMARY (T = 01:30) (08:30)

PUMP STATUS		FAN STATUS	
Lo Press Core Spray	OFF	Standby Gas Treat B	OFF
Hi Press Core Spray	OFF	Standby Gas Treat A	ON
Suppres Pool Cleanup	OFF	Standby Gas Treat B	OFF
Resid Ht Removal A	OFF	18" to SGTA	ON
Resid Ht Removal B	OFF	18" to SGTB	OFF
Resid Ht Removal C	OFF	30" to RBV Exhaust	OFF
Drywell Spray A	OFF	RBV Exhaust A CFM	OFF
Drywell Spray B	OFF	RBV Exhaust B CFM	OFF
Wetwell Spray A	OFF	Turb Bld Exst 1A CFM	ON
Wetwell Spray B	OFF	Turb Bld Exst 1B CFM	ON
Low Pres Coolant A	OFF	Turb Bld Exst 1C CFM	OFF
Low Pres Coolant B	OFF	Turb Bld Exst 1D CFM	ON
Low Pres Coolant C	OFF	RBV Supply A CFM	OFF
RX Cool Inject Steam	OFF	RBV Supply B CFM	OFF
RX Cool Inject Water	OFF	Turb Bld Sply 1A CFM	OFF
Control Rod Drive	OFF	Turb Bld Sply 1B CFM	ON
Reactor Water Clean	OFF	Turb Bld Sply 2A CFM	OFF
Post Accid Samp Liq	OFF	Turb Bld Sply 2B CFM	ON
Post Accid Samp GAS	OFF	ADS Actuation 1	OFF
		ADS Actuation 2	OFF
		ADS Actuation 3	OFF
		RADW Bld Sply 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON
		RADW Bld Exst 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON

TABLE P14.h

PUMP AND FAN STATUS SUMMARY (T = 01:35) (08:35)

PUMP STATUS		FAN STATUS	
Lo Press Core Spray	OFF	Standby Gas Treat B	OFF
Hi Press Core Spray	OFF	Standby Gas Treat A	ON
Suppres Pool Cleanup	OFF	Standby Gas Treat B	OFF
Resid Ht Removal A	OFF	18" to SGTA	ON
Resid Ht Removal B	OFF	18" to SGTB	OFF
Resid Ht Removal C	OFF	30" to RBV Exhaust	OFF
Drywell Spray A	OFF	RBV Exhaust A CFM	OFF
Drywell Spray B	OFF	RBV Exhaust B CFM	OFF
Wetwell Spray A	OFF	Turb Bld Exst 1A CFM	ON
Wetwell Spray B	OFF	Turb Bld Exst 1B CFM	ON
Low Pres Coolant A	OFF	Turb Bld Exst 1C CFM	OFF
Low Pres Coolant B	ON	Turb Bld Exst 1D CFM	ON
Low Pres Coolant C	OFF	RBV Supply A CFM	OFF
RX Cool Inject Steam	OFF	RBV Supply B CFM	OFF
RX Cool Inject Water	OFF	Turb Bld Sply 1A CFM	OFF
Control Rod Drive	OFF	Turb Bld Sply 1B CFM	ON
Reactor Water Clean	OFF	Turb Bld Sply 2A CFM	OFF
Post Accid Samp Liq	OFF	Turb Bld Sply 2B CFM	ON
Post Accid Samp GAS	OFF	ADS Actuation 1	OFF
		ADS Actuation 2	OFF
		ADS Actuation 3	OFF
		RADW Bld Sply 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON
		RADW Bld Exst 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON

TABLE P14.i

PUMP AND FAN STATUS SUMMARY (T = 02:00) (09:00)

PUMP STATUS		FAN STATUS	
Lo Press Core Spray	OFF	Standby Gas Treat B	OFF
Hi Press Core Spray	OFF	Standby Gas Treat A	ON
Suppres Pool Cleanup	OFF	Standby Gas Treat B	OFF
Resid Ht Removal A	OFF	18" to SGTA	ON
Resid Ht Removal B	OFF	18" to SGTB	OFF
Resid Ht Removal C	OFF	30" to RBV Exhaust	OFF
Drywell Spray A	OFF	RBV Exhaust A CFM	OFF
Drywell Spray B	OFF	RBV Exhaust B CFM	OFF
Wetwell Spray A	OFF	Turb Bld Exst 1A CFM	ON
Wetwell Spray B	OFF	Turb Bld Exst 1B CFM	ON
Low Pres Coolant A	OFF	Turb Bld Exst 1C CFM	OFF
Low Pres Coolant B	ON	Turb Bld Exst 1D CFM	ON
Low Pres Coolant C	OFF	RBV Supply A CFM	OFF
RX Cool Inject Steam	OFF	RBV Supply B CFM	OFF
RX Cool Inject Water	OFF	Turb Bld Sply 1A CFM	OFF
Control Rod Drive	OFF	Turb Bld Sply 1B CFM	ON
Reactor Water Clean	OFF	Turb Bld Sply 2A CFM	OFF
Post Accid Samp Liq	OFF	Turb Bld Sply 2B CFM	ON
Post Accid Samp GAS	OFF	ADS Actuation 1	OFF
		ADS Actuation 2	OFF
		ADS Actuation 3	OFF
		RADW Bld Sply 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON
		RADW Bld Exst 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON

TABLE P14.j

PUMP AND FAN STATUS SUMMARY (T = 02:20) (09:20)

PUMP STATUS		FAN STATUS	
Lo Press Core Spray	OFF	Standby Gas Treat B	ON
Hi Press Core Spray	OFF	Standby Gas Treat A	OFF
Suppres Pool Cleanup	OFF	Standby Gas Treat B	ON
Resid Ht Removal A	OFF	18" to SGTA	OFF
Resid Ht Removal B	OFF	18" to SGTB	OFF
Resid Ht Removal C	OFF	30" to RBV Exhaust	OFF
Drywell Spray A	OFF	RBV Exhaust A CFM	OFF
Drywell Spray B	OFF	RBV Exhaust B CFM	OFF
Wetwell Spray A	OFF	Turb Bld Exst 1A CFM	ON
Wetwell Spray B	OFF	Turb Bld Exst 1B CFM	ON
Low Pres Coolant A	OFF	Turb Bld Exst 1C CFM	OFF
Low Pres Coolant B	ON	Turb Bld Exst 1D CFM	ON
Low Pres Coolant C	OFF	RBV Supply A CFM	OFF
RX Cool Inject Steam	OFF	RBV Supply B CFM	OFF
RX Cool Inject Water	OFF	Turb Bld Sply 1A CFM	OFF
Control Rod Drive	OFF	Turb Bld Sply 1B CFM	ON
Reactor Water Clean	OFF	Turb Bld Sply 2A CFM	OFF
Post Accid Samp Liq	OFF	Turb Bld Sply 2B CFM	ON
Post Accid Samp GAS	OFF	ADS Actuation 1	OFF
		ADS Actuation 2	OFF
		ADS Actuation 3	OFF
		RADW Bld Sply 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON
		RADW Bld Exst 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON

TABLE P14.k

PUMP AND FAN STATUS SUMMARY (T = 03:00) (10:00)

PUMP STATUS		FAN STATUS	
Lo Press Core Spray	OFF	Standby Gas Treat B	ON
Hi Press Core Spray	OFF	Standby Gas Treat A	OFF
Suppres Pool Cleanup	OFF	Standby Gas Treat B	ON
Resid Ht Removal A	OFF	18" to SGTA	OFF
Resid Ht Removal B	OFF	18" to SGTB	OFF
Resid Ht Removal C	OFF	30" to RBV Exhaust	OFF
Drywell Spray A	OFF	RBV Exhaust A CFM	OFF
Drywell Spray B	OFF	RBV Exhaust B CFM	OFF
Wetwell Spray A	OFF	Turb Bld Exst 1A CFM	ON
Wetwell Spray B	OFF	Turb Bld Exst 1B CFM	ON
Low Pres Coolant A	OFF	Turb Bld Exst 1C CFM	OFF
Low Pres Coolant B	ON	Turb Bld Exst 1D CFM	ON
Low Pres Coolant C	OFF	RBV Supply A CFM	OFF
RX Cool Inject Steam	OFF	RBV Supply B CFM	OFF
RX Cool Inject Water	OFF	Turb Bld Sply 1A CFM	OFF
Control Rod Drive	OFF	Turb Bld Sply 1B CFM	ON
Reactor Water Clean	OFF	Turb Bld Sply 2A CFM	OFF
Post Accid Samp Liq	OFF	Turb Bld Sply 2B CFM	ON
Post Accid Samp GAS	OFF	ADS Actuation 1	OFF
		ADS Actuation 2	OFF
		ADS Actuation 3	OFF
		RADW Bld Sply 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON
		RADW Bld Exst 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON

TABLE P14.1

PUMP AND FAN STATUS SUMMARY (T = 04:00) (11:00)

PUMP STATUS		FAN STATUS	
Lo Press Core Spray	OFF	Standby Gas Treat B	ON
Hi Press Core Spray	OFF	Standby Gas Treat A	OFF
Suppres Pool Cleanup	OFF	Standby Gas Treat B	ON
Resid Ht Removal A	OFF	18" to SGTA	OFF
Resid Ht Removal B	OFF	18" to SGTB	OFF
Resid Ht Removal C	OFF	30" to RBV Exhaust	OFF
Drywell Spray A	OFF	RBV Exhaust A CFM	OFF
Drywell Spray B	OFF	RBV Exhaust B CFM	OFF
Wetwell Spray A	OFF	Turb Bld Exst 1A CFM	ON
Wetwell Spray B	OFF	Turb Bld Exst 1B CFM	ON
Low Pres Coolant A	OFF	Turb Bld Exst 1C CFM	OFF
Low Pres Coolant B	ON	Turb Bld Exst 1D CFM	ON
Low Pres Coolant C	OFF	RBV Supply A CFM	OFF
RX Cool Inject Steam	OFF	RBV Supply B CFM	OFF
RX Cool Inject Water	OFF	Turb Bld Sply 1A CFM	OFF
Control Rod Drive	OFF	Turb Bld Sply 1B CFM	ON
Reactor Water Clean	OFF	Turb Bld Sply 2A CFM	OFF
Post Accid Samp Liq	OFF	Turb Bld Sply 2B CFM	ON
Post Accid Samp GAS	OFF	ADS Actuation 1	OFF
		ADS Actuation 2	OFF
		ADS Actuation 3	OFF
		RADW Bld Sply 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON
		RADW Bld Exst 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON

TABLE P14.m

PUMP AND FAN STATUS SUMMARY (T = 06:00) (13:00)

PUMP STATUS		FAN STATUS	
Lo Press Core Spray	OFF	Standby Gas Treat B	ON
Hi Press Core Spray	OFF	Standby Gas Treat A	OFF
Suppres Pool Cleanup	OFF	Standby Gas Treat B	ON
Resid Ht Removal A	OFF	18" to SGTA	OFF
Resid Ht Removal B	OFF	18" to SGTB	OFF
Resid Ht Removal C	OFF	30" to RBV Exhaust	OFF
Drywell Spray A	OFF	RBV Exhaust A CFM	OFF
Drywell Spray B	OFF	RBV Exhaust B CFM	OFF
Wetwell Spray A	OFF	Turb Bld Exst 1A CFM	ON
Wetwell Spray B	OFF	Turb Bld Exst 1B CFM	ON
Low Pres Coolant A	OFF	Turb Bld Exst 1C CFM	OFF
Low Pres Coolant B	ON	Turb Bld Exst 1D CFM	ON
Low Pres Coolant C	OFF	RBV Supply A CFM	OFF
RX Cool Inject Steam	OFF	RBV Supply B CFM	OFF
RX Cool Inject Water	OFF	Turb Bld Sply 1A CFM	OFF
Control Rod Drive	OFF	Turb Bld Sply 1B CFM	ON
Reactor Water Clean	OFF	Turb Bld Sply 2A CFM	OFF
Post Accid Samp Liq	OFF	Turb Bld Sply 2B CFM	ON
Post Accid Samp GAS	OFF	ADS Actuation 1	OFF
		ADS Actuation 2	OFF
		ADS Actuation 3	OFF
		RADW Bld Sply 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON
		RADW Bld Exst 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON

TABLE P14.n

PUMP AND FAN STATUS SUMMARY (T = 07:00) (14:00)

PUMP STATUS		FAN STATUS	
Lo Press Core Spray	OFF	Standby Gas Treat B	ON
Hi Press Core Spray	OFF	Standby Gas Treat A	OFF
Suppres Pool Cleanup	OFF	Standby Gas Treat B	ON
Resid Ht Removal A	OFF	18" to SGTA	OFF
Resid Ht Removal B	OFF	18" to SGTB	OFF
Resid Ht Removal C	OFF	30" to RBV Exhaust	OFF
Drywell Spray A	OFF	RBV Exhaust A CFM	OFF
Drywell Spray B	OFF	RBV Exhaust B CFM	OFF
Wetwell Spray A	OFF	Turb Bld Exst 1A CFM	ON
Wetwell Spray B	OFF	Turb Bld Exst 1B CFM	ON
Low Pres Coolant A	OFF	Turb Bld Exst 1C CFM	OFF
Low Pres Coolant B	ON	Turb Bld Exst 1D CFM	ON
Low Pres Coolant C	OFF	RBV Supply A CFM	OFF
RX Cool Inject Steam	OFF	RBV Supply B CFM	OFF
RX Cool Inject Water	OFF	Turb Bld Sply 1A CFM	OFF
Control Rod Drive	OFF	Turb Bld Sply 1B CFM	ON
Reactor Water Clean	OFF	Turb Bld Sply 2A CFM	OFF
Post Accid Samp Liq	OFF	Turb Bld Sply 2B CFM	ON
Post Accid Samp GAS	OFF	ADS Actuation 1	OFF
		ADS Actuation 2	OFF
		ADS Actuation 3	OFF
		RADW Bld Sply 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON
		RADW Bld Exst 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON

TABLE P14.o

PUMP AND FAN STATUS SUMMARY (T = 08:00) (15:00)

PUMP STATUS		FAN STATUS	
Lo Press Core Spray	OFF	Standby Gas Treat B	ON
Hi Press Core Spray	OFF	Standby Gas Treat A	OFF
Suppres Pool Cleanup	OFF	Standby Gas Treat B	ON
Resid Ht Removal A	OFF	18" to SGTA	OFF
Resid Ht Removal B	OFF	18" to SGTB	OFF
Resid Ht Removal C	OFF	30" to RBV Exhaust	OFF
Drywell Spray A	OFF	RBV Exhaust A CFM	OFF
Drywell Spray B	OFF	RBV Exhaust B CFM	OFF
Wetwell Spray A	OFF	Turb Bld Exst 1A CFM	ON
Wetwell Spray B	OFF	Turb Bld Exst 1B CFM	ON
Low Pres Coolant A	OFF	Turb Bld Exst 1C CFM	OFF
Low Pres Coolant B	ON	Turb Bld Exst 1D CFM	ON
Low Pres Coolant C	OFF	RBV Supply A CFM	OFF
RX Cool Inject Steam	OFF	RBV Supply B CFM	OFF
RX Cool Inject Water	OFF	Turb Bld Sply 1A CFM	OFF
Control Rod Drive	OFF	Turb Bld Sply 1B CFM	ON
Reactor Water Clean	OFF	Turb Bld Sply 2A CFM	OFF
Post Accid Samp Liq	OFF	Turb Bld Sply 2B CFM	ON
Post Accid Samp GAS	OFF	ADS Actuation 1	OFF
		ADS Actuation 2	OFF
		ADS Actuation 3	OFF
		RADW Bld Sply 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON
		RADW Bld Exst 1A CFM	OFF
		RADW Bld Sply 1B CFM	ON

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

CONTROLLER INFORMATION
SCENARIO MESSAGES

DRILL NO.	PAGE
EXERCISE 92	1 OF 1

MESSAGE NO.	REAL TIME OF:	DRILL TIME OF:
1	0730	0000

CONTROLER LOCATION: CONTROL ROOM (SIMULATOR) & EOFCC

CONTROLER NAME	ORGANIZATION

MESSAGE FOR: ALL PERSONNEL

MESSAGE FROM: CONTROL ROOM (SIMULATOR) & LEAD EOFCC CONTROLLERS

MESSAGE:

Please make the following announcements on the Plant and PSF PA's.

THIS IS AN EXERCISE. . . THIS IS AN EXERCISE.

EXERCISE 92 IS NOW IN PROGRESS. PERSONNEL NOT IDENTIFIED AS PARTICIPANTS IN THE EXERCISE SHOULD CONTINUE WITH THEIR NORMAL WORK SCHEDULE.

THIS IS AN EXERCISE . . . THIS IS AN EXERCISE.

REFERENCE GENERAL DATA SHEETS: _____

FOR CONTROLLER USE ONLY

REPEAT THIS PA ANNOUNCEMENT APPROXIMATELY EVERY HOUR.

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

CONTROLLER INFORMATION
SCENARIO MESSAGES

DRILL NO.		PAGE
EXERCISE 92		1 OF 1

MESSAGE NO.	REAL TIME OF:	DRILL TIME OF:
2	1300	0000

CONTROLLER LOCATION: CONTROL ROOM (SIMULATOR) & EOFCC

CONTROLLER NAME	ORGANIZATION

MESSAGE FOR: ALL PERSONNEL

MESSAGE FROM: CONTROL ROOM (SIMULATOR) & LEAD EOFCC CONTROLLERS

MESSAGE:

Please make the following announcements on the Plant and PSF PA's.

THIS IS AN EXERCISE. . . THIS IS AN EXERCISE.

EXERCISE 92 IS NOW TERMINATED. PERSONNEL IDENTIFIED AS PARTICIPANTS IN THE DRILL SHOULD RETURN TO THEIR EMERGENCY CENTER TO CONDUCT POST EXERCISE CRITIQUE.

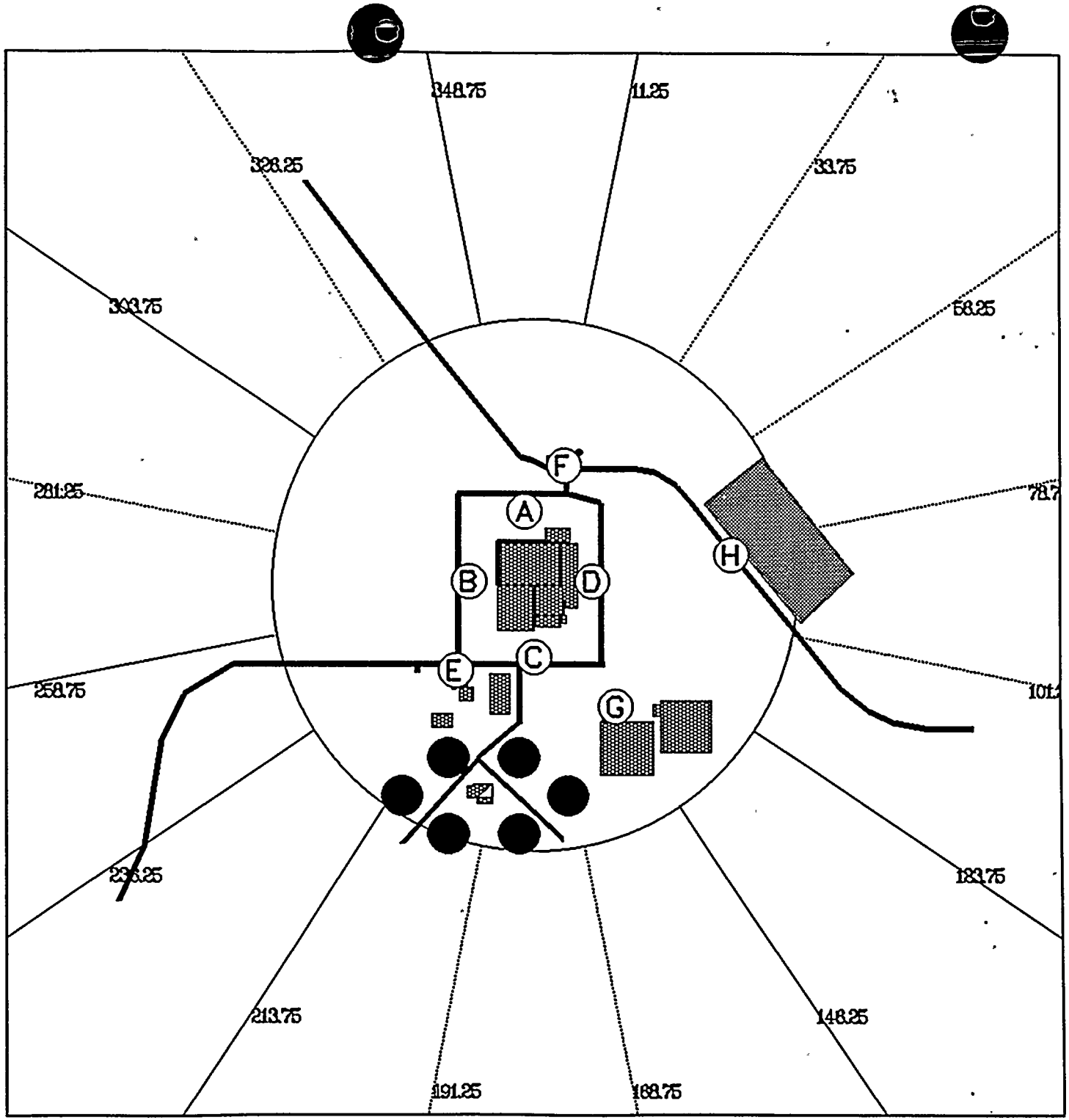
THIS IS AN EXERCISE . . . THIS IS AN EXERCISE.

REFERENCE GENERAL DATA SHEETS:_

FOR CONTROLLER USE ONLY

WNP-2

1/2 Mile Site Plan



Ⓢ Survey Location

Water

Steel/Equip

Buildings

Warehouses

Roads

Grid Lines

Bndry Lines

TABLE P11.a

ONSITE SURVEY AND SAMPLING DATA (T = 00:00) (07:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.b

ONSITE SURVEY AND SAMPLING DATA (T = 01:00) (08:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.c

ONSITE SURVEY AND SAMPLING DATA (T = 01:30) (08:30)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	0.1	0.1	1.6
B	< 0.1	< 0.1	1.6
C	0.2	0.2	0.6
D	0.6	0.6	0.9
E	< 0.1	< 0.1	0.5
F	< 0.1	< 0.1	0.8
G	0.2	0.2	0.1
H	0.2	0.2	< 0.1

TABLE P11.d

ONSITE SURVEY AND SAMPLING DATA (T = 01:45) (08:45)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	1.0	1.0	1.9
B	0.7	0.7	1.9
C	1.2	1.2	0.7
D	4.2	4.2	1.0
E	0.4	0.4	0.5
F	0.6	0.6	1.0
G	1.5	1.5	0.1
H	1.7	1.7	< 0.1

TABLE P11.e

ONSITE SURVEY AND SAMPLING DATA (T = 02:00) (09:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	0.8	0.8	0.9
B	0.6	0.6	0.9
C	1.0	1.0	0.3
D	3.5	3.5	0.5
E	0.3	0.3	0.3
F	0.5	0.5	0.5
G	1.3	1.3	< 0.1
H	1.5	1.5	< 0.1

TABLE P11.f

ONSITE SURVEY AND SAMPLING DATA (T = 02:15) (09:15)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	0.7	0.7	0.5
B	0.5	0.5	0.5
C	0.9	0.9	0.2
D	3.1	3.1	0.3
E	0.3	0.3	0.1
F	0.5	0.5	0.3
G	1.1	1.1	< 0.1
H	1.3	1.3	< 0.1

TABLE P11.g

ONSITE SURVEY AND SAMPLING DATA (T = 02:30) (09:30)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.h

ONSITE SURVEY AND SAMPLING DATA (T = 02:45) (09:45)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.i

ONSITE SURVEY AND SAMPLING DATA (T = 03:00) (10:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.j

ONSITE SURVEY AND SAMPLING DATA (T = 03:15) (10:15)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.k

ONSITE SURVEY AND SAMPLING DATA (T = 03:30) (10:30)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.1

ONSITE SURVEY AND SAMPLING DATA (T = 03:45) (10:45)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.m

ONSITE SURVEY AND SAMPLING DATA (T = 04:00) (11:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.n

ONSITE SURVEY AND SAMPLING DATA (T = 04:15) (11:15)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.o

ONSITE SURVEY AND SAMPLING DATA (T = 04:30) (11:30)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.p

ONSITE SURVEY AND SAMPLING DATA (T = 05:00) (12:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.q

ONSITE SURVEY AND SAMPLING DATA (T = 05:30) (12:30)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.r

ONSITE SURVEY AND SAMPLING DATA (T = 06:00) (13:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.s

ONSITE SURVEY AND SAMPLING DATA (T = 06:30) (13:30)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.t

ONSITE SURVEY AND SAMPLING DATA (T = 07:00) (14:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.u

ONSITE SURVEY AND SAMPLING DATA (T = 07:30) (14:30)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE P11.v

ONSITE SURVEY AND SAMPLING DATA (T = 08:00) (15:00)

LOCATION	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/cf)
A	< 0.1	< 0.1	< 0.1
B	< 0.1	< 0.1	< 0.1
C	< 0.1	< 0.1	< 0.1
D	< 0.1	< 0.1	< 0.1
E	< 0.1	< 0.1	< 0.1
F	< 0.1	< 0.1	< 0.1
G	< 0.1	< 0.1	< 0.1
H	< 0.1	< 0.1	< 0.1

TABLE PE1 a

EMERGENCY RESPONSE FACILITY DATA (T = 00:00) (07:00)

Emergency Center	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/min)
MCR	< 0.1	< 0.1	< 0.1
OSC - 1	< 0.1	< 0.1	< 0.1
OSC - 2	< 0.1	< 0.1	< 0.1
TSC	< 0.1	< 0.1	< 0.1
EOF	< 0.1	< 0.1	< 0.1
PASS Sample St.	< 0.1	< 0.1	< 0.1

TABLE PE1 b

EMERGENCY RESPONSE FACILITY DATA (T = 01:00) (08:00)

Emergency Center	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/min)
MCR	< 0.1	< 0.1	< 0.1
OSC - 1	< 0.1	< 0.1	< 0.1
OSC - 2	< 0.1	< 0.1	< 0.1
TSC	< 0.1	< 0.1	< 0.1
EOF	< 0.1	< 0.1	< 0.1
PASS Sample St.	< 0.1	< 0.1	< 0.1

TABLE PE1 c

EMERGENCY RESPONSE FACILITY DATA (T = 01:30) (08:30)

Emergency Center	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/min)
MCR	< 0.1	< 0.1	< 0.1
OSC - 1	< 0.1	< 0.1	1.6
OSC - 2	< 0.1	< 0.1	1.6
TSC	< 0.1	< 0.1	< 0.1
EOF	< 0.1	< 0.1	< 0.1
PASS Sample St.	< 0.1	< 0.1	1.6

TABLE PE1 d

EMERGENCY RESPONSE FACILITY DATA (T = 01:45) (08:45)

Emergency Center	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/min)
MCR	< 0.1	< 0.1	< 0.1
OSC - 1	0.5	0.5	1.9
OSC - 2	0.5	0.5	1.9
TSC	< 0.1	< 0.1	< 0.1
EOF	< 0.1	< 0.1	< 0.1
PASS Sample St.	< 0.1	< 0.1	1.9

TABLE PE1 e

EMERGENCY RESPONSE FACILITY DATA (T = 02:00) (09:00)

Emergency Center	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/min)
MCR	< 0.1	< 0.1	< 0.1
OSC - 1	0.4	0.4	0.9
OSC - 2	0.4	0.4	0.9
TSC	< 0.1	< 0.1	< 0.1
EOF	< 0.1	< 0.1	< 0.1
PASS Sample St.	< 0.1	< 0.1	0.9

TABLE PE1 f

EMERGENCY RESPONSE FACILITY DATA (T = 02:15) (09:15)

Emergency Center	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/min)
MCR	< 0.1	< 0.1	< 0.1
OSC - 1	0.3	0.4	0.5
OSC - 2	0.4	0.4	0.5
TSC	< 0.1	< 0.1	< 0.1
EOF	< 0.1	< 0.1	< 0.1
PASS Sample St.	< 0.1	< 0.1	0.5

TABLE PE1 g

EMERGENCY RESPONSE FACILITY DATA (T = 02:30) (09:30)

Emergency Center	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/min)
MCR	< 0.1	< 0.1	< 0.1
OSC - 1	< 0.1	< 0.1	< 0.1
OSC - 2	< 0.1	< 0.1	< 0.1
TSC	< 0.1	< 0.1	< 0.1
EOF	< 0.1	< 0.1	< 0.1
PASS Sample St.	< 0.1	< 0.1	< 0.1

TABLE PE1 h

EMERGENCY RESPONSE FACILITY DATA (T = 02:45) (09:45)

Emergency Center	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/min)
MCR	< 0.1	< 0.1	< 0.1
OSC - 1	< 0.1	< 0.1	< 0.1
OSC - 2	< 0.1	< 0.1	< 0.1
TSC	< 0.1	< 0.1	< 0.1
EOF	< 0.1	< 0.1	< 0.1
PASS Sample St.	< 0.1	< 0.1	< 0.1

TABLE PE1 i

EMERGENCY RESPONSE FACILITY DATA (T = 03:00) (10:00)

Emergency Center	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/min)
MCR	< 0.1	< 0.1	< 0.1
OSC - 1	< 0.1	< 0.1	< 0.1
OSC - 2	< 0.1	< 0.1	< 0.1
TSC	< 0.1	< 0.1	< 0.1
EOF	< 0.1	< 0.1	< 0.1
PASS Sample St.	< 0.1	< 0.1	< 0.1

TABLE PE1 j

EMERGENCY RESPONSE FACILITY DATA (T = 03:15) (10:15)

Emergency Center	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/min)
MCR	< 0.1	< 0.1	< 0.1
OSC - 1	< 0.1	< 0.1	< 0.1
OSC - 2	< 0.1	< 0.1	< 0.1
TSC	< 0.1	< 0.1	< 0.1
EOF	< 0.1	< 0.1	< 0.1
PASS Sample St.	< 0.1	< 0.1	< 0.1

TABLE PE1 k

EMERGENCY RESPONSE FACILITY DATA (T = 03:30) (10:30)

Emergency Center	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/min)
MCR	< 0.1	< 0.1	< 0.1
OSC - 1	< 0.1	< 0.1	< 0.1
OSC - 2	< 0.1	< 0.1	< 0.1
TSC	< 0.1	< 0.1	< 0.1
EOF	< 0.1	< 0.1	< 0.1
PASS Sample St.	< 0.1	< 0.1	< 0.1

TABLE PE1 1

EMERGENCY RESPONSE FACILITY DATA (T = 03:45) (10:45)

Emergency Center	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/min)
MCR	< 0.1	< 0.1	< 0.1
OSC - 1	< 0.1	< 0.1	< 0.1
OSC - 2	< 0.1	< 0.1	< 0.1
TSC	< 0.1	< 0.1	< 0.1
EOF	< 0.1	< 0.1	< 0.1
PASS Sample St.	< 0.1	< 0.1	< 0.1

TABLE PE1 m

EMERGENCY RESPONSE FACILITY DATA (T = 04:00) (11:00)

Emergency Center	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/min)
MCR	< 0.1	< 0.1	< 0.1
OSC - 1	< 0.1	< 0.1	< 0.1
OSC - 2	< 0.1	< 0.1	< 0.1
TSC	< 0.1	< 0.1	< 0.1
EOF	< 0.1	< 0.1	< 0.1
PASS Sample St.	< 0.1	< 0.1	< 0.1

TABLE PE1 n

EMERGENCY RESPONSE FACILITY DATA (T = 04:15) (11:15)

Emergency Center	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/min)
MCR	< 0.1	< 0.1	< 0.1
OSC - 1	< 0.1	< 0.1	< 0.1
OSC - 2	< 0.1	< 0.1	< 0.1
TSC	< 0.1	< 0.1	< 0.1
EOF	< 0.1	< 0.1	< 0.1
PASS Sample St.	< 0.1	< 0.1	< 0.1

TABLE PE1 o

EMERGENCY RESPONSE FACILITY DATA (T = 04:30) (11:30)

Emergency Center	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/min)
MCR	< 0.1	< 0.1	< 0.1
OSC - 1	< 0.1	< 0.1	< 0.1
OSC - 2	< 0.1	< 0.1	< 0.1
TSC	< 0.1	< 0.1	< 0.1
EOF	< 0.1	< 0.1	< 0.1
PASS Sample St.	< 0.1	< 0.1	< 0.1

TABLE PE1 p

EMERGENCY RESPONSE FACILITY DATA (T = 05:00) (12:00)

Emergency Center	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/min)
MCR	< 0.1	< 0.1	< 0.1
OSC - 1	< 0.1	< 0.1	< 0.1
OSC - 2	< 0.1	< 0.1	< 0.1
TSC	< 0.1	< 0.1	< 0.1
EOF	< 0.1	< 0.1	< 0.1
PASS Sample St.	< 0.1	< 0.1	< 0.1

TABLE PE1 q

EMERGENCY RESPONSE FACILITY DATA (T = 05:30) (12:30)

Emergency Center	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/min)
MCR	< 0.1	< 0.1	< 0.1
OSC - 1	< 0.1	< 0.1	< 0.1
OSC - 2	< 0.1	< 0.1	< 0.1
TSC	< 0.1	< 0.1	< 0.1
EOF	< 0.1	< 0.1	< 0.1
PASS Sample St.	< 0.1	< 0.1	< 0.1

TABLE PE1 r

EMERGENCY RESPONSE FACILITY DATA (T = 06:00) (13:00)

Emergency Center	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/min)
MCR	< 0.1	< 0.1	< 0.1
OSC - 1	< 0.1	< 0.1	< 0.1
OSC - 2	< 0.1	< 0.1	< 0.1
TSC	< 0.1	< 0.1	< 0.1
EOF	< 0.1	< 0.1	< 0.1
PASS Sample St.	< 0.1	< 0.1	< 0.1

TABLE PE1 s

EMERGENCY RESPONSE FACILITY DATA (T = 06:30) (13:30)

Emergency Center	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/min)
MCR	< 0.1	< 0.1	< 0.1
OSC - 1	< 0.1	< 0.1	< 0.1
OSC - 2	< 0.1	< 0.1	< 0.1
TSC	< 0.1	< 0.1	< 0.1
EOF	< 0.1	< 0.1	< 0.1
PASS Sample St.	< 0.1	< 0.1	< 0.1

TABLE PE1 t

EMERGENCY RESPONSE FACILITY DATA (T = 07:00) (14:00)

Emergency Center	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/min)
MCR	< 0.1	< 0.1	< 0.1
OSC - 1	< 0.1	< 0.1	< 0.1
OSC - 2	< 0.1	< 0.1	< 0.1
TSC	< 0.1	< 0.1	< 0.1
EOF	< 0.1	< 0.1	< 0.1
PASS Sample St.	< 0.1	< 0.1	< 0.1

TABLE PE1 u

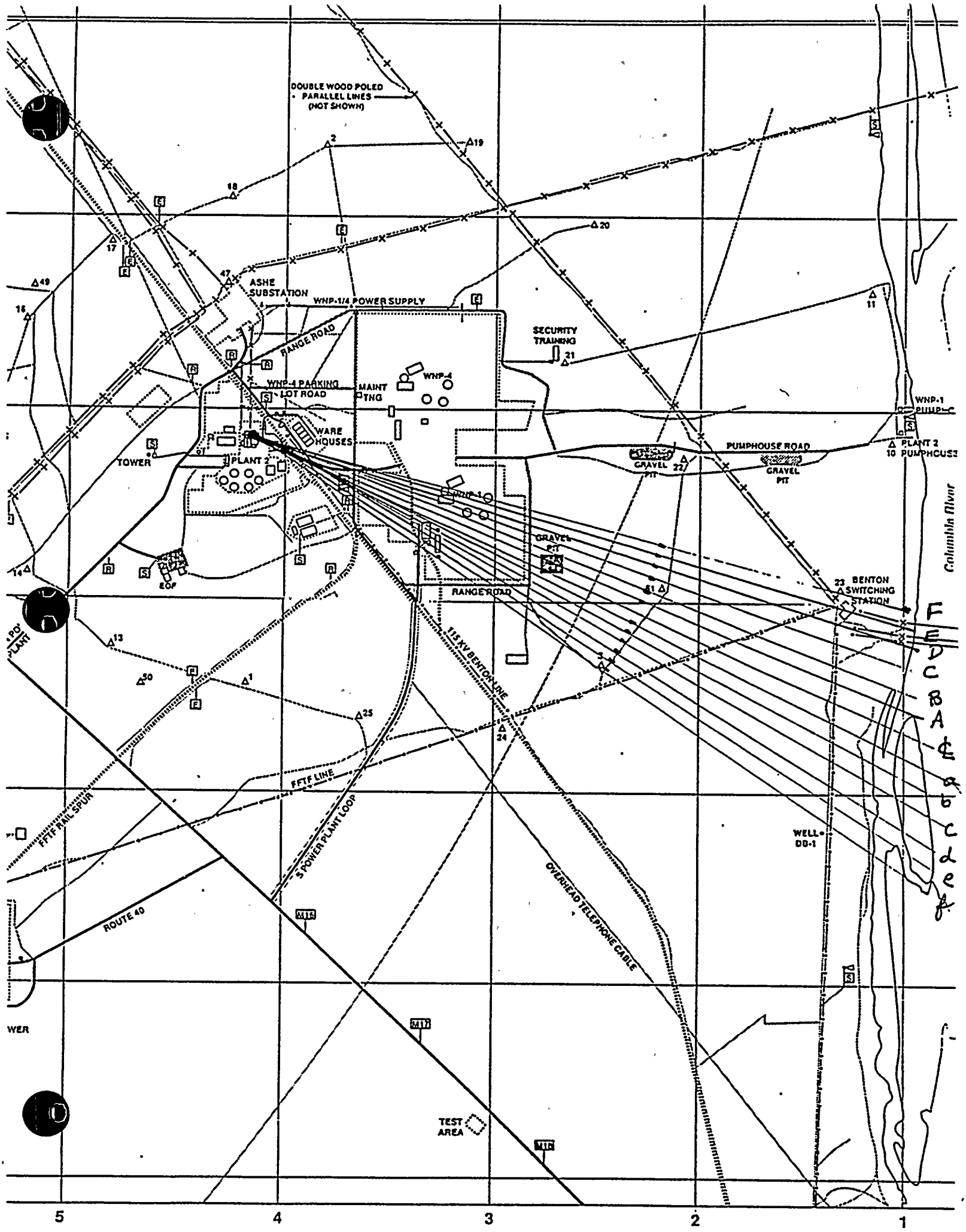
EMERGENCY RESPONSE FACILITY DATA (T = 07:30) (14:30)

Emergency Center	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/min)
MCR	< 0.1	< 0.1	< 0.1
OSC - 1	< 0.1	< 0.1	< 0.1
OSC - 2	< 0.1	< 0.1	< 0.1
TSC	< 0.1	< 0.1	< 0.1
EOF	< 0.1	< 0.1	< 0.1
PASS Sample St.	< 0.1	< 0.1	< 0.1

TABLE PE1 v

EMERGENCY RESPONSE FACILITY DATA (T = 08:00) (15:00)

Emergency Center	CLOSED WINDOW (mR/hr)	OPEN WINDOW (mR/hr)	AIR SAMPLE COUNT RATE (cpm/min)
MCR	< 0.1	< 0.1	< 0.1
OSC - 1	< 0.1	< 0.1	< 0.1
OSC - 2	< 0.1	< 0.1	< 0.1
TSC	< 0.1	< 0.1	< 0.1
EOF	< 0.1	< 0.1	< 0.1
PASS Sample St.	< 0.1	< 0.1	< 0.1


DOUBLE WOOD POLED PARALLEL LINES (NOT SHOWN)
ASHE SUBSTATION
WNP-1/4 POWER SUPPLY
RANGE ROAD
SECURITY TRAINING
WNP-4 PARKING LOT ROAD
MAINT TNG
WNP-4
WARE HOUSES
TOWER
PLANT 2
WNP-1
PUMPHOUSE ROAD
GRAVEL PIT
PLANT 2 PUMPHOUSE
Columbia River
EOP
RANGE ROAD
BENTON SWITCHING STATION
115 KV BENTON LINE
FFTF LINE
FFTF RAIL SPUR
3 POWER PLANT LOOP
OVERHEAD TELEPHONE CABLE
WELL 00-1
ROUTE 40
TEST AREA
WER
5
4
3
2
1

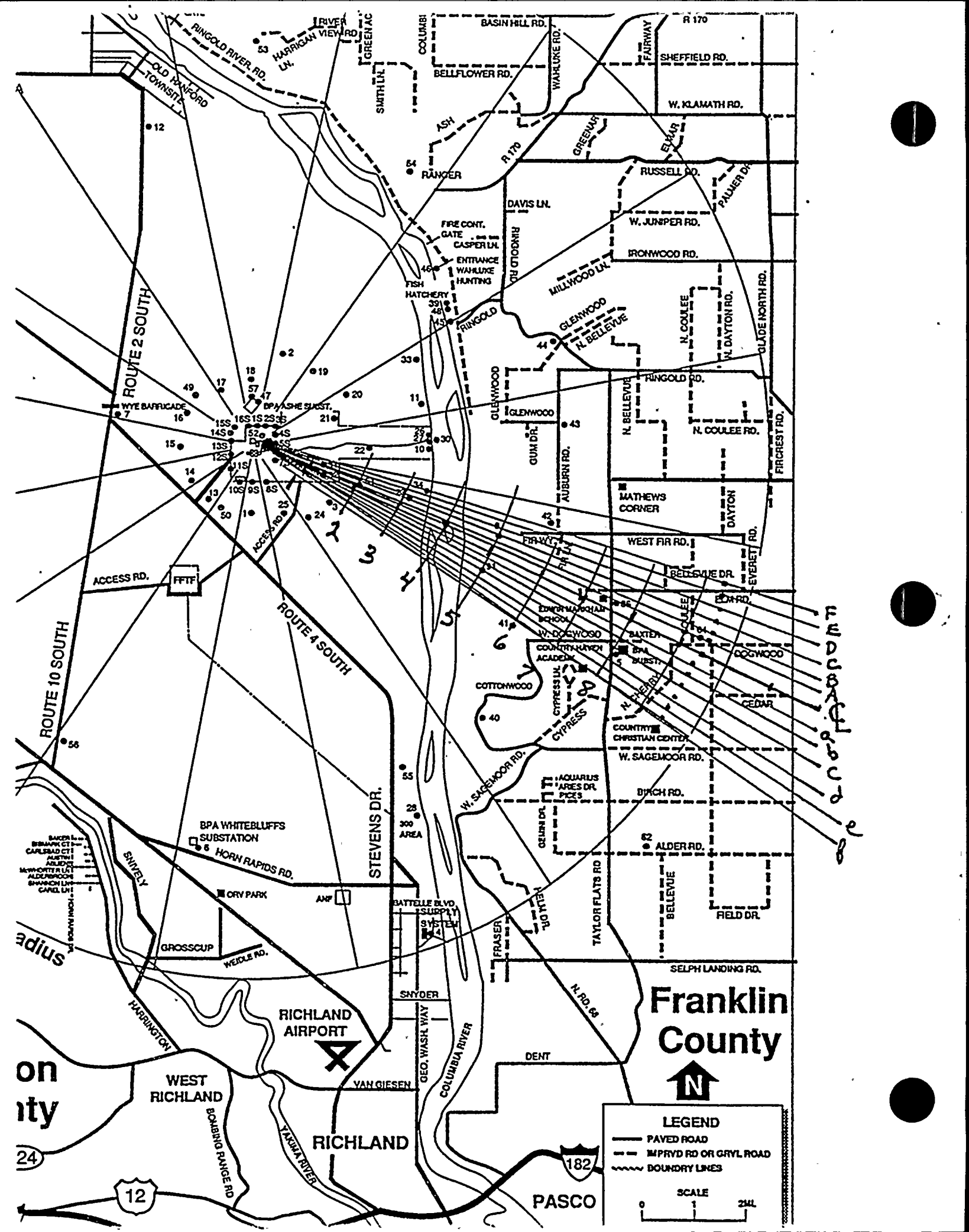

Franklin County
N
LEGEND
PAVED ROAD
IMPRVD RD OR GRVL ROAD
BOUNDRY LINES
SCALE
0 1 2MI
RICHLAND
WEST RICHLAND
RICHLAND AIRPORT
PASCO
ROUTE 2 SOUTH
ROUTE 4 SOUTH
ROUTE 10 SOUTH
STEVENS DR.
BASIN HILL RD.
BELLFLOWER RD.
SHEFFIELD RD.
W. KLAMATH RD.
RUSSELL RD.
DAVIS LN.
W. JUNIPER RD.
IRONWOOD RD.
MILLWOOD LN.
GLENWOOD
N. BELLEVUE
RINGOLD RD.
N. COULEE RD.
N. DAYTON RD.
GLADE NORTH RD.
FIRCREST RD.
MATHEWS CORNER
WEST FIR RD.
BELLEVUE DR.
EVERETT RD.
EDWIN MAGHAN SCHOOL
W. COGSWOOD
COUNTRY UNION ACADEMY
COTTONWOOD
CYPRESS LN.
CYPRESS
COUNTRY CHRISTIAN CENTER
W. SAGEMOOR RD.
AQUARIUS
ARIES DR.
PICES
BIRCH RD.
ALDER RD.
FIELD DR.
SELPH LANDING RD.
TAYLOR FLATS RD
BELLEVUE
FRASER
HELM DR.
N. RD 68
DENT
SNYDER
VAN GIESEN
GEO. WASH WAY
COLUMBIA RIVER
BOMBING RANGE RD
YAKIMA RIVER
HARRINGTON
SNIVELY
HORN RAPIDS RD.
ORV PARK
ANF
GROSSCUP
WEIDLE RD.
BPA WHITEBLUFFS SUBSTATION
300 AREA
BATTELLE BLVD
SUPPLY SYSTEM
ACCESS RD.
FFTF
WYE BARRICADE
BPA ASHE SUBST.
FISH HATCHERY
FIRE CONT. GATE
CASPER LN.
ENTRANCE WAHLUKE HUNTING
RANGER
OLD HANFORD TOWNSITE
RIVER VIEW RD.
HARRIGAN LN.
RINGOLD RIVER RD.
SMITH LN.
GREEN AC
COLUMBI
WAHLUKE RD.
FAIRWAY
R 170
ASH
GREENAR
ELMAR
PALMER DR.
RINGOLD RD.
GLENWOOD
GUM DR.
AUBURN RD.
DAYTON
FIR WY.
BAXTER
COGWOOD
CEDAR
N. PHERRIN
BIRCH
GELLMAN DR.
FEDERAL GROUP
radius

TABLE E2. a

OFFSITE SURVEY AND SAMPLING DATA (T = 00:00) (07:00)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
ALL	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	0.0E+00	0	0	0

FOR CONTROLLER/OBSERVER USE ONLY
(Not to be Provided to Players):

Current Stability Class E

Primary Release Pt: PS Flow: 3.8E+1 m3/sec
Release Concentration-GIP (uCi/cc): 3.4E-10 1.7E-10 4.7E-12
(Flow & Release Integrated & Averaged over previous 15 minutes)
Whole Body Dose Projection: < 0.1 mRem/hr
Thyroid Dose Projection: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind
Maximums and Projections do not include plant shine or ground shine

Maximum Plume Whole-Body Dose Rate: < 0.1 mRem/hr
at a distance of: 1.00 miles downwind

Maximum Thyroid Dose Commitment: < 0.1 mRem/hr
at a distance of: 1.00 miles downwind

TABLE E2. b

OFFSITE SURVEY AND SAMPLING DATA (T = 01:00) (08:00)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
ALL	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	0.0E+00	0	0	0

FOR CONTROLLER/OBSERVER USE ONLY
(Not to be Provided to Players):

Current Stability Class E

Primary Release Pt: PS Flow: 3.8E+1 m3/sec
Release Concentration-GIP (uCi/cc): 2.1E-10 1.7E-10 4.3E-12
(Flow & Release Integrated & Averaged over previous 15 minutes)
Whole Body Dose Projection: < 0.1 mRem/hr
Thyroid Dose Projection: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind
Maximums and Projections do not include plant shine or ground shine

Maximum Plume Whole-Body Dose Rate: < 0.1 mRem/hr
at a distance of: 3.98 miles downwind

Maximum Thyroid Dose Commitment: < 0.1 mRem/hr
at a distance of: 1.00 miles downwind

TABLE E2. c

OFFSITE SURVEY AND SAMPLING DATA (T = 01:30) (08:30)

FIELD MONITOR POINT	MONITOR READINGS CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	AIR SAMPLES (10 CF) bare absorb CPM	AIR SAMPLES (10 CF) filter-absorb CPM	15-min RAD DATA change in SRD mR	15-min RAD DATA contam cpm/100cm2	*CONTROLLER INFO* I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPM							
.5F	0.1	0.1	0.2	0.2	62.	62.	< 0.1	< 0.1	1.5E-10	100	0	0
.5E	0.8	0.8	1.2	1.2	69.	69.	0.2	< 0.1	7.6E-10	100	0	0
.5D	2.8	2.8	4.6	4.6	92.	95.	0.7	0.3	2.8E-09	100	0	0
.5C	7.9	7.9	13.	13.	150.	160.	2.0	0.8	7.9E-09	100	0	0
.5B	15.	15.	24.	24.	230.	250.	3.7	1.5	1.5E-08	100	0	0
.5A	16.	16.	25.	25.	240.	250.	3.9	1.5	1.6E-08	100	0	0
.5CL	16.	16.	26.	26.	240.	260.	4.0	1.5	1.6E-08	100	0	0
.5a	16.	16.	25.	25.	240.	250.	3.9	1.5	1.6E-08	100	0	0
.5b	15.	15.	24.	24.	230.	250.	3.7	1.5	1.5E-08	100	0	0
.5c	7.9	7.9	13.	13.	150.	160.	2.0	0.8	7.9E-09	100	0	0
.5d	2.9	2.9	4.7	4.7	93.	96.	0.7	0.3	2.9E-09	100	0	0
.5e	0.8	0.8	1.3	1.3	69.	70.	0.2	< 0.1	7.8E-10	100	0	0
.5f	0.1	0.1	0.2	0.2	62.	62.	< 0.1	< 0.1	1.5E-10	100	0	0
WNP1	0.5	0.5	0.9	0.9	66.	67.	0.1	< 0.1	5.5E-10	100	0	0
1F	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	2.5E-11	100	0	0
1E	0.2	0.2	0.3	0.3	62.	62.	< 0.1	< 0.1	1.7E-10	100	0	0
1D	0.8	0.8	1.4	1.4	69.	70.	0.2	< 0.1	8.4E-10	100	0	0
1C	2.8	2.8	4.5	4.5	92.	95.	0.7	0.3	2.8E-09	100	0	0
1B	6.7	6.7	11.	11.	140.	140.	1.7	0.7	6.7E-09	100	0	0
1A	7.5	7.5	12.	12.	150.	150.	1.9	0.7	7.6E-09	100	0	0
1CL	7.8	7.8	13.	13.	150.	160.	2.0	0.8	7.9E-09	100	0	0
1a	7.5	7.5	12.	12.	150.	150.	1.9	0.7	7.6E-09	100	0	0
1b	6.7	6.7	11.	11.	140.	140.	1.7	0.7	6.7E-09	100	0	0
1c	2.8	2.8	4.6	4.6	92.	95.	0.7	0.3	2.8E-09	100	0	0
1d	0.8	0.8	1.3	1.3	69.	70.	0.2	< 0.1	8.3E-10	100	0	0
1e	0.2	0.2	0.3	0.3	62.	62.	< 0.1	< 0.1	1.7E-10	100	0	0
1.2E	0.1	0.1	0.2	0.2	61.	61.	< 0.1	< 0.1	1.1E-10	100	0	0
1.2D	0.6	0.6	0.9	0.9	67.	67.	0.1	< 0.1	5.8E-10	100	0	0
1.2C	2.1	2.1	3.3	3.3	83.	86.	0.5	0.2	2.1E-09	100	0	0
1.2B	5.1	5.1	8.4	8.4	120.	120.	1.3	0.5	5.2E-09	100	0	0
1.2A	6.1	6.1	10.	10.	130.	140.	1.5	0.6	6.2E-09	100	0	0

CONTINUED ON NEXT PAGE

TABLE E2. c

OFFSITE SURVEY AND SAMPLING DATA (T = 01:30) (08:30)
(continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPH	filter-absorb CPH	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
1.2CL	6.4	6.4	11.	11.	130.	140.	1.6	0.6	6.5E-09	100	0	0
1.2a	6.1	6.1	10.	10.	130.	140.	1.5	0.6	6.2E-09	100	0	0
1.2b	5.2	5.2	8.5	8.5	120.	120.	1.3	0.5	5.2E-09	100	0	0
1.2c	2.0	2.0	3.3	3.3	83.	86.	0.5	0.2	2.1E-09	100	0	0
1.2d	0.6	0.6	0.9	0.9	67.	67.	0.1	< 0.1	5.8E-10	100	0	0
1.2e	0.1	0.1	0.2	0.2	61.	61.	< 0.1	< 0.1	1.1E-10	100	0	0
1.5E	< 0.1	< 0.1	< 0.1	< 0.1	61.	61.	< 0.1	< 0.1	6.2E-11	100	0	0
1.5D	0.4	0.4	0.6	0.6	64.	64.	< 0.1	< 0.1	3.6E-10	100	0	0
1.5C	1.4	1.4	2.3	2.3	76.	77.	0.3	0.1	1.4E-09	100	0	0
1.5B	3.7	3.7	6.0	6.0	100.	110.	0.9	0.4	3.7E-09	100	0	0
1.5A	4.8	4.8	7.8	7.8	110.	120.	1.2	0.5	4.8E-09	100	0	0
1.5CL	5.1	5.1	8.3	8.3	120.	120.	1.3	0.5	5.1E-09	100	0	0
1.5a	4.8	4.8	7.9	7.9	110.	120.	1.2	0.5	4.9E-09	100	0	0
1.5b	3.7	3.7	6.0	6.0	100.	110.	0.9	0.4	3.7E-09	100	0	0
1.5c	1.4	1.4	2.3	2.3	76.	78.	0.4	0.1	1.4E-09	100	0	0
1.5d	0.4	0.4	0.6	0.6	64.	64.	< 0.1	< 0.1	3.6E-10	100	0	0
1.5e	< 0.1	< 0.1	< 0.1	< 0.1	61.	61.	< 0.1	< 0.1	6.1E-11	100	0	0
2E	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	2.8E-11	100	0	0
2D	0.2	0.2	0.3	0.3	62.	62.	< 0.1	< 0.1	1.9E-10	100	0	0
2C	0.8	0.8	1.3	1.3	69.	70.	0.2	< 0.1	8.3E-10	100	0	0
2B	2.3	2.3	3.8	3.8	87.	89.	0.6	0.2	2.4E-09	100	0	0
2A	3.4	3.4	5.5	5.5	99.	100.	0.8	0.3	3.4E-09	100	0	0
2CL	3.7	3.7	6.0	6.0	100.	110.	0.9	0.4	3.7E-09	100	0	0
2a	3.4	3.4	5.5	5.5	99.	100.	0.8	0.3	3.4E-09	100	0	0
2b	2.4	2.4	3.8	3.8	87.	89.	0.6	0.2	2.4E-09	100	0	0
2c	0.8	0.8	1.3	1.3	69.	70.	0.2	< 0.1	8.3E-10	100	0	0
2d	0.2	0.2	0.3	0.3	62.	62.	< 0.1	< 0.1	1.9E-10	100	0	0
2e	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	2.8E-11	100	0	0
TLD3	< 0.1	< 0.1	0.1	0.1	61.	61.	< 0.1	< 0.1	6.3E-11	100	0	0
OTHERS	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	0.0E+00	0	0	0

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TABLE E2. c

OFFSITE SURVEY AND SAMPLING DATA (T = 01:30) (08:30)
(continued)

FOR CONTROLLER/OBSERVER USE ONLY
(Not to be Provided to Players):

Current Stability Class E

Primary Release Pt: PS Flow: 1.0E+0 m3/sec
Release Concentration-GIP (uCi/cc): 3.4E-01 1.5E-03 6.4E-05
(Flow & Release Integrated & Averaged over previous 15 minutes)
Whole Body Dose Projection: 4.1 mRem/hr
Thyroid Dose Projection: 13. mRem/hr
at a distance of: 1.20 miles downwind
Maximums and Projections do not include plant shine or ground shine

Maximum Plume Whole-Body Dose Rate: 4.1 mRem/hr
at a distance of: 1.20 miles downwind

Maximum Thyroid Dose Commitment: 13. mRem/hr
at a distance of: 1.20 miles downwind

TABLE E2. d

OFFSITE SURVEY AND SAMPLING DATA (T = 01:45) (08:45)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	ground (mR/hr)	OPEN WINDOW waist (mR/hr)	ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPM							
.5F	1.0	1.0	1.6	1.6	69.	70.	0.2	< 0.1	8.4E-10	99	0	0
.5E	5.0	5.0	8.2	8.2	110.	110.	1.2	0.4	4.3E-09	99	0	0
.5D	19.	19.	30.	30.	240.	250.	4.6	1.5	1.6E-08	99	0	0
.5C	52.	52.	85.	85.	550.	610.	13.	4.3	4.4E-08	99	0	0
.5B	98.	98.	160.	160.	990.	1100.	25.	8.0	8.4E-08	99	0	0
.5A	100.	100.	170.	170.	1000.	1100.	26.	8.4	8.8E-08	99	0	0
.5CL	100.	100.	170.	170.	1100.	1200.	26.	8.6	8.9E-08	99	0	0
.5a	100.	100.	170.	170.	1000.	1100.	26.	8.4	8.8E-08	99	0	0
.5b	98.	98.	160.	160.	990.	1100.	25.	8.0	8.4E-08	99	0	0
.5c	52.	52.	85.	85.	550.	610.	13.	4.2	4.4E-08	99	0	0
.5d	19.	19.	31.	31.	240.	260.	4.8	1.6	1.6E-08	99	0	0
.5e	5.1	5.1	8.4	8.4	110.	110.	1.3	0.4	4.3E-09	99	0	0
.5f	1.0	1.0	1.6	1.6	69.	70.	0.2	< 0.1	8.1E-10	99	0	0
WNP1	3.6	3.6	5.9	5.9	94.	98.	0.9	0.3	3.1E-09	99	0	0
WNP1GATE	< 0.1	< 0.1	0.1	0.1	61.	61.	< 0.1	< 0.1	7.1E-11	99	0	0
1F	0.2	0.2	0.3	0.3	62.	62.	< 0.1	< 0.1	1.4E-10	99	0	0
1E	1.1	1.1	1.8	1.8	71.	72.	0.3	< 0.1	9.6E-10	99	0	0
1D	5.5	5.5	9.0	9.0	110.	120.	1.4	0.5	4.7E-09	99	0	0
1C	18.	18.	30.	30.	230.	250.	4.6	1.5	1.6E-08	99	0	0
1B	44.	44.	72.	72.	480.	520.	11.	3.6	3.8E-08	99	0	0
1A	50.	50.	81.	81.	530.	580.	12.	4.1	4.2E-08	99	0	0
1CL	52.	52.	85.	85.	550.	600.	13.	4.2	4.4E-08	99	0	0
1a	50.	50.	81.	81.	530.	580.	12.	4.1	4.2E-08	99	0	0
1b	44.	44.	72.	72.	480.	520.	11.	3.6	3.8E-08	99	0	0
1c	19.	19.	30.	31.	240.	260.	4.7	1.5	1.6E-08	99	0	0
1d	5.4	5.4	8.9	8.9	110.	120.	1.4	0.4	4.6E-09	99	0	0
1e	1.1	1.1	1.8	1.8	70.	72.	0.3	< 0.1	9.4E-10	99	0	0
1.2F	< 0.1	< 0.1	0.2	0.2	61.	61.	< 0.1	< 0.1	7.9E-11	99	0	0
1.2E	0.7	0.7	1.2	1.2	67.	68.	0.2	< 0.1	6.2E-10	99	0	0
1.2D	3.8	3.8	6.2	6.2	96.	100.	1.0	0.3	3.2E-09	99	0	0
1.2C	14.	14.	22.	22.	190.	200.	3.4	1.1	1.2E-08	99	0	0

CONTINUED ON NEXT PAGE

TABLE E2. d

OFFSITE SURVEY AND SAMPLING DATA (T = 01:45) (08:45)
(continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPM							
1.2B	34.	34.	56.	56.	380.	420.	8.5	2.8	2.9E-08	99	0	0
1.2A	41.	41.	66.	66.	440.	490.	10.	3.3	3.5E-08	99	0	0
1.2CL	43.	43.	70.	70.	460.	510.	11.	3.5	3.6E-08	99	0	0
1.2a	41.	41.	66.	66.	440.	490.	10.	3.3	3.5E-08	99	0	0
1.2b	34.	34.	56.	56.	380.	420.	8.6	2.8	2.9E-08	99	0	0
1.2c	14.	14.	22.	22.	190.	200.	3.4	1.1	1.2E-08	99	0	0
1.2d	3.8	3.8	6.3	6.3	96.	100.	1.0	0.3	3.3E-09	99	0	0
1.2e	0.7	0.7	1.2	1.2	67.	68.	0.2	< 0.1	6.2E-10	99	0	0
1.2f	< 0.1	< 0.1	0.2	0.2	61.	61.	< 0.1	< 0.1	7.9E-11	99	0	0
1.5F	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	3.9E-11	99	0	0
1.5E	0.4	0.4	0.7	0.7	64.	64.	0.1	< 0.1	3.4E-10	99	0	0
1.5D	2.4	2.4	3.9	3.9	82.	85.	0.6	0.2	2.0E-09	99	0	0
1.5C	9.2	9.2	15.	15.	150.	160.	2.3	0.7	7.8E-09	99	0	0
1.5B	24.	24.	40.	40.	290.	320.	6.1	2.0	2.1E-08	99	0	0
1.5A	32.	32.	52.	52.	360.	390.	7.9	2.6	2.7E-08	99	0	0
1.5CL	34.	34.	55.	55.	380.	410.	8.4	2.7	2.9E-08	99	0	0
1.5a	32.	32.	52.	52.	360.	390.	8.0	2.6	2.7E-08	99	0	0
1.5b	24.	24.	40.	40.	290.	320.	6.1	2.0	2.1E-08	99	0	0
1.5c	9.3	9.3	15.	15.	150.	160.	2.3	0.8	7.9E-09	99	0	0
1.5d	2.4	2.4	3.9	3.9	82.	85.	0.6	0.2	2.0E-09	99	0	0
1.5e	0.4	0.4	0.7	0.7	64.	64.	0.1	< 0.1	3.4E-10	99	0	0
1.5f	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	3.9E-11	99	0	0
TLD51	0.5	0.5	0.9	0.9	67.	230.	0.1	0.1	6.1E-10	100	0	0
2E	0.2	0.2	0.3	0.3	62.	62.	< 0.1	< 0.1	1.6E-10	99	0	0
2D	1.2	1.2	2.0	2.0	72.	73.	0.3	0.1	1.1E-09	99	0	0
2C	5.4	5.4	8.9	8.9	110.	120.	1.4	0.4	4.6E-09	99	0	0
2B	16.	16.	25.	25.	210.	220.	3.9	1.3	1.3E-08	99	0	0
2A	23.	23.	37.	37.	270.	300.	5.6	1.8	1.9E-08	99	0	0
2CL	24.	24.	40.	40.	290.	320.	6.1	2.0	2.1E-08	99	0	0
2a	23.	23.	37.	37.	270.	300.	5.6	1.8	1.9E-08	99	0	0

CONTINUED ON NEXT PAGE

TABLE E2. d

OFFSITE SURVEY AND SAMPLING DATA (T = 01:45) (08:45)
(continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPH	filter-absorb CPH	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPH							
2b	16.	16.	25.	25.	210.	220.	3.9	1.3	1.3E-08	99	0	0
2c	5.4	5.4	8.9	8.9	110.	120.	1.4	0.4	4.6E-09	99	0	0
2d	1.2	1.2	2.0	2.0	72.	73.	0.3	0.1	1.1E-09	99	0	0
2e	0.2	0.2	0.3	0.3	62.	62.	< 0.1	< 0.1	1.5E-10	99	0	0
TLD3	0.4	0.4	0.7	0.7	64.	64.	0.1	< 0.1	3.5E-10	99	0	0
2.5E	< 0.1	< 0.1	< 0.1	< 0.1	60.	64.	< 0.1	< 0.1	1.4E-11	100	0	0
2.5D	< 0.1	< 0.1	0.2	0.2	61.	91.	< 0.1	< 0.1	1.1E-10	100	0	0
2.5C	0.5	0.5	0.8	0.8	66.	210.	0.1	0.1	5.1E-10	100	0	0
2.5B	1.4	1.4	2.3	2.3	77.	510.	0.4	0.4	1.5E-09	100	0	0
2.5A	2.2	2.2	3.6	3.6	88.	780.	0.6	0.6	2.5E-09	100	0	0
2.5CL	2.5	2.5	4.1	4.1	91.	850.	0.6	0.7	2.8E-09	100	0	0
2.5a	2.2	2.2	3.6	3.6	88.	780.	0.6	0.6	2.5E-09	100	0	0
2.5b	1.4	1.4	2.3	2.3	77.	530.	0.4	0.4	1.5E-09	100	0	0
2.5c	0.5	0.5	0.8	0.8	66.	210.	0.1	0.1	5.1E-10	100	0	0
2.5d	< 0.1	< 0.1	0.2	0.2	61.	90.	< 0.1	< 0.1	1.0E-10	100	0	0
2.5e	< 0.1	< 0.1	< 0.1	< 0.1	60.	64.	< 0.1	< 0.1	1.4E-11	100	0	0
3E	< 0.1	< 0.1	< 0.1	< 0.1	60.	62.	< 0.1	< 0.1	7.8E-12	100	0	0
3D	< 0.1	< 0.1	< 0.1	< 0.1	61.	80.	< 0.1	< 0.1	6.7E-11	100	0	0
3C	0.3	0.3	0.5	0.5	64.	160.	< 0.1	< 0.1	3.6E-10	100	0	0
3B	1.1	1.1	1.7	1.7	73.	400.	0.3	0.3	1.2E-09	100	0	0
3A	1.8	1.8	2.9	2.9	83.	640.	0.5	0.5	2.0E-09	100	0	0
3CL	2.0	2.0	3.3	3.3	85.	710.	0.5	0.5	2.3E-09	100	0	0
3a	1.8	1.8	2.9	2.9	83.	640.	0.5	0.5	2.0E-09	100	0	0
3b	1.1	1.1	1.7	1.7	73.	400.	0.3	0.3	1.2E-09	100	0	0
3c	0.3	0.3	0.5	0.5	64.	160.	< 0.1	< 0.1	3.6E-10	100	0	0
3d	< 0.1	< 0.1	< 0.1	< 0.1	61.	80.	< 0.1	< 0.1	6.7E-11	100	0	0
3e	< 0.1	< 0.1	< 0.1	< 0.1	60.	62.	< 0.1	< 0.1	7.6E-12	100	0	0
OTHERS	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	0.0E+00	0	0	0

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TABLE E2. d

OFFSITE SURVEY AND SAMPLING DATA (T = 01:45) (08:45)
(continued)

FOR CONTROLLER/OBSERVER USE ONLY
(Not to be Provided to Players):

Current Stability Class E

Primary Release Pt: PS Flow: 1.0E+0 m3/sec
Release Concentration-GIP (uCi/cc): 2.3E+00 8.1E-03 4.0E-04
(Flow & Release Integrated & Averaged over previous 15 minutes)
Whole Body Dose Projection: 27. mRem/hr
Thyroid Dose Projection: 71. mRem/hr
at a distance of: 1.20 miles downwind
Maximums and Projections do not include plant shine or ground shine

Maximum Plume Whole-Body Dose Rate: 27. mRem/hr
at a distance of: 1.20 miles downwind

Maximum Thyroid Dose Commitment: 71. mRem/hr
at a distance of: 1.20 miles downwind

TABLE E2. e

OFFSITE SURVEY AND SAMPLING DATA (T = 02:00) (09:00)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	ground (mR/hr)	OPEN WINDOW waist (mR/hr)	ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPM							
.5F	1.0	1.0	1.6	1.7	66.	66.	0.3	< 0.1	5.1E-10	99	0	0
.5E	5.0	5.0	8.3	8.3	88.	92.	1.3	0.2	2.6E-09	99	0	0
.5D	19.	19.	31.	31.	160.	180.	4.7	0.9	9.5E-09	99	0	0
.5C	53.	53.	86.	87.	350.	390.	13.	2.5	2.7E-08	99	0	0
.5B	99.	99.	160.	160.	610.	680.	25.	4.7	5.0E-08	99	0	0
.5A	100.	100.	170.	170.	640.	710.	26.	5.0	5.3E-08	99	0	0
.5CL	110.	110.	170.	170.	640.	720.	26.	5.1	5.4E-08	99	0	0
.5a	100.	100.	170.	170.	640.	710.	26.	5.0	5.3E-08	99	0	0
.5b	99.	99.	160.	160.	610.	680.	25.	4.7	5.0E-08	99	0	0
.5c	52.	53.	86.	87.	350.	390.	13.	2.5	2.7E-08	99	0	0
.5d	19.	19.	32.	32.	170.	180.	4.8	0.9	9.8E-09	99	0	0
.5e	5.2	5.2	8.4	8.5	88.	92.	1.3	0.2	2.6E-09	99	0	0
.5f	1.0	1.0	1.6	1.6	65.	66.	0.2	< 0.1	4.9E-10	99	0	0
WNP1	3.7	3.7	6.0	6.0	80.	83.	0.9	0.2	1.9E-09	99	0	0
WNP1GATE	< 0.1	< 0.1	0.1	0.1	60.	61.	< 0.1	< 0.1	4.2E-11	99	0	0
1F	0.2	0.2	0.3	0.3	61.	61.	< 0.1	< 0.1	8.4E-11	99	0	0
1E	1.1	1.1	1.9	1.9	66.	67.	0.3	< 0.1	5.8E-10	99	0	0
1D	5.6	5.6	9.1	9.2	91.	95.	1.4	0.3	2.8E-09	99	0	0
1C	19.	19.	30.	31.	160.	180.	4.6	0.9	9.4E-09	99	0	0
1B	45.	45.	73.	74.	310.	340.	11.	2.1	2.3E-08	99	0	0
1A	50.	50.	82.	83.	340.	370.	13.	2.4	2.5E-08	99	0	0
1CL	52.	52.	86.	86.	350.	390.	13.	2.5	2.6E-08	99	0	0
1a	50.	50.	82.	83.	340.	370.	13.	2.4	2.5E-08	99	0	0
1b	45.	45.	73.	74.	310.	340.	11.	2.1	2.3E-08	99	0	0
1c	19.	19.	31.	31.	160.	180.	4.7	0.9	9.5E-09	99	0	0
1d	5.5	5.5	9.0	9.0	90.	94.	1.4	0.3	2.8E-09	99	0	0
1e	1.1	1.1	1.8	1.8	66.	67.	0.3	< 0.1	5.7E-10	99	0	0
1.2F	< 0.1	< 0.1	0.2	0.2	61.	61.	< 0.1	< 0.1	4.7E-11	99	0	0
1.2E	0.7	0.7	1.2	1.2	64.	65.	0.2	< 0.1	3.7E-10	99	0	0
1.2D	3.8	3.8	6.3	6.4	81.	84.	1.0	0.2	1.9E-09	99	0	0
1.2C	14.	14.	22.	23.	140.	150.	3.4	0.7	6.9E-09	99	0	0

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TABLE E2. e

OFFSITE SURVEY AND SAMPLING DATA (T = 02:00) (09:00)
(continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPH	filter-absorb CPH	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPH							
1.2B	34.	34.	56.	57.	250.	270.	8.6	1.6	1.7E-08	99	0	0
1.2A	41.	41.	67.	68.	290.	320.	10.	2.0	2.1E-08	99	0	0
1.2CL	43.	43.	71.	71.	300.	330.	11.	2.1	2.2E-08	99	0	0
1.2a	41.	41.	67.	68.	290.	320.	10.	2.0	2.1E-08	99	0	0
1.2b	35.	35.	57.	57.	250.	280.	8.7	1.7	1.8E-08	99	0	0
1.2c	14.	14.	22.	23.	140.	150.	3.4	0.7	6.9E-09	99	0	0
1.2d	3.9	3.9	6.3	6.4	81.	84.	1.0	0.2	2.0E-09	99	0	0
1.2e	0.7	0.7	1.2	1.2	64.	65.	0.2	< 0.1	3.7E-10	99	0	0
1.2f	< 0.1	< 0.1	0.2	0.2	61.	61.	< 0.1	< 0.1	4.7E-11	99	0	0
1.5F	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	2.3E-11	99	0	0
1.5E	0.4	0.4	0.7	0.7	62.	63.	0.1	< 0.1	2.1E-10	99	0	0
1.5D	2.4	2.4	3.9	4.0	73.	75.	0.6	0.1	1.2E-09	99	0	0
1.5C	9.3	9.3	15.	15.	110.	120.	2.3	0.4	4.7E-09	99	0	0
1.5B	25.	25.	40.	41.	200.	210.	6.1	1.2	1.2E-08	99	0	0
1.5A	32.	32.	52.	53.	240.	260.	7.9	1.5	1.6E-08	99	0	0
1.5CL	34.	34.	55.	56.	250.	270.	8.5	1.6	1.7E-08	99	0	0
1.5a	32.	32.	53.	53.	240.	260.	8.1	1.5	1.6E-08	99	0	0
1.5b	25.	25.	40.	41.	200.	210.	6.2	1.2	1.2E-08	99	0	0
1.5c	9.4	9.4	15.	16.	110.	120.	2.4	0.5	4.8E-09	99	0	0
1.5d	2.4	2.4	3.9	3.9	73.	75.	0.6	0.1	1.2E-09	99	0	0
1.5e	0.4	0.4	0.7	0.7	62.	63.	0.1	< 0.1	2.1E-10	99	0	0
1.5f	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	2.3E-11	99	0	0
TLD51	3.6	3.6	6.0	6.0	97.	1100.	0.9	0.9	3.4E-09	99	0	0
2E	0.2	0.2	0.3	0.3	61.	61.	< 0.1	< 0.1	9.3E-11	99	0	0
2D	1.2	1.2	2.0	2.1	67.	68.	0.3	< 0.1	6.3E-10	99	0	0
2C	5.5	5.5	9.0	9.1	90.	94.	1.4	0.3	2.8E-09	99	0	0
2B	16.	16.	26.	26.	150.	160.	3.9	0.7	7.9E-09	99	0	0
2A	23.	23.	37.	38.	190.	200.	5.7	1.1	1.2E-08	99	0	0
2CL	25.	25.	40.	41.	200.	210.	6.2	1.2	1.2E-08	99	0	0
2a	23.	23.	37.	38.	190.	200.	5.7	1.1	1.2E-08	99	0	0

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TABLE E2. e

OFFSITE SURVEY AND SAMPLING DATA (T = 02:00) (09:00)
(continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPM							
2b	16.	16.	26.	26.	150.	160.	3.9	0.8	8.0E-09	99	0	0
2c	5.5	5.5	9.0	9.0	90.	94.	1.4	0.3	2.8E-09	99	0	0
2d	1.2	1.2	2.0	2.1	67.	68.	0.3	< 0.1	6.3E-10	99	0	0
2e	0.2	0.2	0.3	0.3	61.	61.	< 0.1	< 0.1	9.3E-11	99	0	0
TLD3	0.4	0.4	0.7	0.7	62.	63.	0.1	< 0.1	2.1E-10	99	0	0
2.5F	< 0.1	< 0.1	< 0.1	< 0.1	60.	62.	< 0.1	< 0.1	6.1E-12	99	0	0
2.5E	< 0.1	< 0.1	0.1	0.1	61.	85.	< 0.1	< 0.1	7.6E-11	99	0	0
2.5D	0.6	0.6	1.0	1.0	67.	250.	0.2	0.2	6.0E-10	99	0	0
2.5C	3.1	3.1	5.0	5.1	91.	970.	0.8	0.7	2.9E-09	99	0	0
2.5B	9.2	9.2	15.	15.	160.	2800.	2.3	2.3	8.9E-09	99	0	0
2.5A	15.	15.	24.	25.	220.	4600.	3.7	3.6	1.4E-08	99	0	0
2.5CL	16.	16.	27.	27.	230.	5000.	4.1	4.0	1.6E-08	99	0	0
2.5a	15.	15.	24.	25.	220.	4600.	3.7	3.6	1.4E-08	99	0	0
2.5b	9.7	9.7	16.	16.	160.	2800.	2.4	2.3	8.9E-09	99	0	0
2.5c	3.1	3.1	5.0	5.1	91.	970.	0.8	0.7	2.9E-09	99	0	0
2.5d	0.6	0.6	1.0	1.0	66.	250.	0.2	0.1	5.8E-10	99	0	0
2.5e	< 0.1	< 0.1	0.1	0.1	61.	85.	< 0.1	< 0.1	7.6E-11	99	0	0
2.5f	< 0.1	< 0.1	< 0.1	< 0.1	60.	62.	< 0.1	< 0.1	6.2E-12	99	0	0
3F	< 0.1	< 0.1	< 0.1	< 0.1	60.	61.	< 0.1	< 0.1	3.0E-12	99	0	0
3E	< 0.1	< 0.1	< 0.1	< 0.1	60.	74.	< 0.1	< 0.1	4.3E-11	99	0	0
3D	0.4	0.4	0.7	0.7	64.	180.	0.1	< 0.1	3.8E-10	99	0	0
3C	2.2	2.2	3.5	3.6	81.	690.	0.5	0.5	1.9E-09	99	0	0
3B	7.2	7.2	12.	12.	130.	2200.	1.8	1.7	6.6E-09	99	0	0
3A	12.	12.	19.	19.	180.	3600.	2.9	2.9	1.1E-08	99	0	0
3CL	13.	13.	22.	22.	200.	4100.	3.3	3.2	1.3E-08	99	0	0
3a	12.	12.	19.	19.	180.	3600.	2.9	2.9	1.1E-08	99	0	0
3b	7.2	7.2	12.	12.	130.	2200.	1.8	1.7	6.6E-09	99	0	0
3c	2.2	2.2	3.5	3.6	83.	700.	0.5	0.5	2.1E-09	99	0	0
3d	0.4	0.4	0.7	0.7	64.	180.	< 0.1	< 0.1	3.8E-10	99	0	0
3e	< 0.1	< 0.1	< 0.1	< 0.1	60.	73.	< 0.1	< 0.1	4.3E-11	99	0	0

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TABLE E2. e

OFFSITE SURVEY AND SAMPLING DATA (T = 02:00) (09:00)
(continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
3f	< 0.1	< 0.1	< 0.1	< 0.1	60.	61.	< 0.1	< 0.1	3.0E-12	99	0	0
OTHERS	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	0.0E+00	0	0	0

FOR CONTROLLER/OBSERVER USE ONLY
(Not to be Provided to Players):

Current Stability Class E

Primary Release Pt: PS Flow: 1.0E+0 m3/sec
Release Concentration-GIP (uCi/cc): 2.4E+00 4.8E-03 3.4E-04
(Flow & Release Integrated & Averaged over previous 15 minutes)
Whole Body Dose Projection: 27. mRem/hr
Thyroid Dose Projection: 43. mRem/hr
at a distance of: 1.20 miles downwind
Maximums and Projections do not include plant shine or ground shine

Maximum Plume Whole-Body Dose Rate: 27. mRem/hr
at a distance of: 1.20 miles downwind

Maximum Thyroid Dose Commitment: 67. mRem/hr
at a distance of: 1.18 miles downwind

TABLE E2. f

OFFSITE SURVEY AND SAMPLING DATA (T = 02:15) (09:15)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	ground (mR/hr)	OPEN WINDOW waist (mR/hr)	ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
.5F	0.9	0.9	1.5	1.5	63.	63.	0.2	< 0.1	2.7E-10	99	0	0
.5E	4.5	4.5	7.3	7.4	74.	77.	1.1	0.1	1.3E-09	99	0	0
.5D	17.	17.	27.	28.	110.	120.	4.1	0.5	5.0E-09	99	0	0
.5C	46.	46.	76.	77.	210.	230.	12.	1.3	1.4E-08	99	0	0
.5B	87.	88.	140.	150.	340.	390.	22.	2.4	2.6E-08	99	0	0
.5A	92.	92.	150.	150.	360.	400.	23.	2.6	2.8E-08	99	0	0
.5CL	93.	93.	150.	160.	360.	410.	23.	2.6	2.8E-08	99	0	0
.5a	92.	92.	150.	150.	360.	400.	23.	2.6	2.8E-08	99	0	0
.5b	87.	88.	140.	150.	340.	390.	22.	2.4	2.6E-08	99	0	0
.5c	46.	46.	76.	77.	210.	230.	12.	1.3	1.4E-08	99	0	0
.5d	17.	17.	28.	28.	110.	120.	4.3	0.5	5.1E-09	99	0	0
.5e	4.6	4.6	7.5	7.6	75.	77.	1.1	0.1	1.4E-09	99	0	0
.5f	0.9	0.9	1.4	1.4	63.	63.	0.2	< 0.1	2.6E-10	99	0	0
WNP1	3.2	3.2	5.3	5.4	70.	72.	0.8	< 0.1	9.7E-10	99	0	0
WNP1GATE	< 0.1	< 0.1	0.1	0.1	60.	60.	< 0.1	< 0.1	2.2E-11	99	0	0
1F	0.1	0.1	0.2	0.2	60.	61.	< 0.1	< 0.1	4.4E-11	99	0	0
1E	1.0	1.0	1.7	1.7	63.	64.	0.3	< 0.1	3.0E-10	99	0	0
1D	4.9	4.9	8.1	8.2	76.	78.	1.2	0.1	1.5E-09	99	0	0
1C	16.	16.	27.	27.	110.	120.	4.1	0.5	4.9E-09	99	0	0
1B	39.	39.	65.	66.	190.	210.	9.8	1.1	1.2E-08	99	0	0
1A	44.	44.	73.	74.	200.	230.	11.	1.2	1.3E-08	99	0	0
1CL	46.	46.	76.	77.	210.	230.	12.	1.3	1.4E-08	99	0	0
1a	44.	44.	73.	74.	200.	230.	11.	1.2	1.3E-08	99	0	0
1b	39.	39.	65.	66.	190.	210.	9.9	1.1	1.2E-08	99	0	0
1c	17.	17.	27.	28.	110.	120.	4.2	0.5	5.0E-09	99	0	0
1d	4.8	4.8	7.9	8.0	75.	78.	1.2	0.1	1.4E-09	99	0	0
1e	1.0	1.0	1.6	1.6	63.	64.	0.2	< 0.1	3.0E-10	99	0	0
1.2F	< 0.1	< 0.1	0.1	0.1	60.	60.	< 0.1	< 0.1	2.5E-11	99	0	0
1.2E	0.7	0.7	1.1	1.1	62.	62.	0.2	< 0.1	2.0E-10	99	0	0
1.2D	3.4	3.4	5.6	5.7	71.	73.	0.8	< 0.1	1.0E-09	99	0	0
1.2C	12.	12.	20.	20.	99.	110.	3.0	0.3	3.6E-09	99	0	0

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TABLE E2. f

OFFSITE SURVEY AND SAMPLING DATA (T = 02:15) (09:15)
(continued)

FIELD MONITOR POINT	MONITOR READINGS: CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	AIR SAMPLES (10 CF) bare absorb CPM	AIR SAMPLES (10 CF) filter-absorb CPM	15-min RAD DATA change in SRD mR	15-min RAD DATA contam cpm/100cm2	*CONTROLLER INFO* I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
1.2B	30.	30.	50.	50.	160.	170.	7.6	0.8	9.1E-09	99	0	0
1.2A	36.	36.	60.	60.	180.	200.	9.0	1.0	1.1E-08	99	0	0
1.2CL	38.	38.	63.	63.	180.	200.	9.5	1.1	1.1E-08	99	0	0
1.2a	36.	36.	59.	60.	180.	200.	9.0	1.0	1.1E-08	99	0	0
1.2b	31.	31.	50.	51.	160.	170.	7.7	0.9	9.2E-09	99	0	0
1.2c	12.	12.	20.	20.	99.	110.	3.0	0.3	3.6E-09	99	0	0
1.2d	3.4	3.4	5.6	5.7	71.	73.	0.9	< 0.1	1.0E-09	99	0	0
1.2e	0.6	0.6	1.1	1.1	62.	62.	0.2	< 0.1	1.9E-10	99	0	0
1.2f	< 0.1	< 0.1	0.1	0.1	60.	60.	< 0.1	< 0.1	2.5E-11	99	0	0
1.5F	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	1.2E-11	99	0	0
1.5E	0.4	0.4	0.6	0.6	61.	61.	< 0.1	< 0.1	1.1E-10	99	0	0
1.5D	2.1	2.1	3.5	3.5	67.	68.	0.5	< 0.1	6.3E-10	99	0	0
1.5C	8.2	8.2	13.	14.	86.	91.	2.0	0.2	2.5E-09	99	0	0
1.5B	22.	22.	36.	36.	130.	140.	5.4	0.6	6.5E-09	99	0	0
1.5A	28.	28.	46.	47.	150.	170.	7.0	0.8	8.4E-09	99	0	0
1.5CL	30.	30.	49.	50.	160.	170.	7.5	0.8	9.0E-09	99	0	0
1.5a	28.	28.	47.	47.	150.	170.	7.1	0.8	8.5E-09	99	0	0
1.5b	22.	22.	36.	36.	130.	140.	5.4	0.6	6.5E-09	99	0	0
1.5c	8.3	8.3	14.	14.	87.	91.	2.1	0.2	2.5E-09	99	0	0
1.5d	2.1	2.1	3.5	3.5	67.	68.	0.5	< 0.1	6.3E-10	99	0	0
1.5e	0.4	0.4	0.6	0.6	61.	61.	< 0.1	< 0.1	1.1E-10	99	0	0
1.5f	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	1.2E-11	99	0	0
TLD51	3.7	3.7	6.1	6.4	83.	1000.	0.9	0.7	2.1E-09	99	0	0
2E	0.2	0.2	0.3	0.3	61.	61.	< 0.1	< 0.1	4.9E-11	99	0	0
2D	1.1	1.1	1.8	1.8	64.	64.	0.3	< 0.1	3.3E-10	99	0	0
2C	4.9	4.9	8.0	8.1	76.	78.	1.2	0.1	1.5E-09	99	0	0
2B	14.	14.	23.	23.	100.	110.	3.5	0.4	4.2E-09	99	0	0
2A	20.	20.	33.	33.	120.	140.	5.0	0.6	6.0E-09	99	0	0
2CL	22.	22.	36.	36.	130.	140.	5.4	0.6	6.5E-09	99	0	0
2a	20.	20.	33.	33.	120.	140.	5.0	0.6	6.0E-09	99	0	0

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TABLE E2. f

OFFSITE SURVEY AND SAMPLING DATA (T = 02:15) (09:15)
(continued)

FIELD MONITOR POINT	MONITOR READINGS: CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	AIR SAMPLES (10 CF): bare absorb CPM	AIR SAMPLES (10 CF): filter-absorb CPM	15-min RAD DATA: change in SRD mR	15-min RAD DATA: contam cpm/100cm2	*CONTROLLER INFO*: I-131 conc. uCi/cc	SRD percent dose contrib: Plm	Plt	Grd
Air Sample Background is 60 CPM												
2b	14.	14.	23.	23.	100.	110.	3.5	0.4	4.2E-09	99	0	0
2c	4.8	4.8	7.9	8.0	76.	78.	1.2	0.1	1.4E-09	99	0	0
2d	1.1	1.1	1.8	1.8	64.	64.	0.3	< 0.1	3.3E-10	99	0	0
2e	0.2	0.2	0.3	0.3	61.	61.	< 0.1	< 0.1	4.8E-11	99	0	0
TLD3	0.4	0.4	0.6	0.6	61.	61.	< 0.1	< 0.1	1.1E-10	99	0	0
2.5F	< 0.1	< 0.1	< 0.1	< 0.1	60.	62.	< 0.1	< 0.1	3.7E-12	99	0	0
2.5E	< 0.1	< 0.1	0.1	0.1	60.	81.	< 0.1	< 0.1	4.6E-11	99	0	0
2.5D	0.6	0.6	1.1	1.1	64.	230.	0.2	0.1	3.6E-10	99	0	0
2.5C	3.1	3.1	5.1	5.4	78.	870.	0.8	0.6	1.7E-09	99	0	0
2.5B	9.9	9.9	16.	17.	120.	2500.	2.5	1.8	5.4E-09	99	0	0
2.5A	15.	15.	25.	27.	150.	4000.	3.8	2.8	8.5E-09	99	0	0
2.5CL	17.	17.	28.	29.	160.	4300.	4.2	3.1	9.4E-09	99	0	0
2.5a	15.	15.	25.	27.	150.	4000.	3.8	2.8	8.5E-09	99	0	0
2.5b	9.9	9.9	16.	17.	120.	2500.	2.5	1.8	5.4E-09	99	0	0
2.5c	3.1	3.1	5.1	5.4	78.	870.	0.8	0.6	1.7E-09	99	0	0
2.5d	0.6	0.6	1.1	1.1	64.	230.	0.2	0.1	3.6E-10	99	0	0
2.5e	< 0.1	< 0.1	0.1	0.1	60.	81.	< 0.1	< 0.1	4.6E-11	99	0	0
2.5f	< 0.1	< 0.1	< 0.1	< 0.1	60.	62.	< 0.1	< 0.1	3.7E-12	99	0	0
3E	< 0.1	< 0.1	< 0.1	< 0.1	60.	72.	< 0.1	< 0.1	2.6E-11	99	0	0
3D	0.4	0.4	0.7	0.7	62.	170.	0.1	< 0.1	2.2E-10	99	0	0
3C	2.2	2.2	3.6	3.8	73.	630.	0.5	0.4	1.2E-09	99	0	0
3B	6.9	7.0	11.	12.	100.	1900.	1.7	1.3	4.0E-09	99	0	0
3A	12.	12.	20.	21.	130.	3300.	3.1	2.3	6.7E-09	99	0	0
3CL	14.	14.	23.	24.	140.	3600.	3.5	2.5	7.5E-09	99	0	0
3a	12.	12.	20.	21.	130.	3300.	3.1	2.3	6.7E-09	99	0	0
3b	7.4	7.5	12.	13.	100.	1900.	1.9	1.3	4.0E-09	99	0	0
3c	2.2	2.2	3.6	3.8	73.	630.	0.5	0.4	1.2E-09	99	0	0
3d	0.4	0.4	0.7	0.7	62.	170.	0.1	< 0.1	2.2E-10	99	0	0
3e	< 0.1	< 0.1	< 0.1	< 0.1	60.	72.	< 0.1	< 0.1	2.5E-11	99	0	0
4C	< 0.1	< 0.1	< 0.1	< 0.1	60.	65.	< 0.1	< 0.1	8.6E-12	100	0	0

CONTINUED ON NEXT PAGE

TABLE E2. f

OFFSITE SURVEY AND SAMPLING DATA (T = 02:15) (09:15)
(continued)

FIELD MONITOR POINT	MONITOR READINGS: CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	AIR SAMPLES (10 CF): bare absorb CPM	AIR SAMPLES (10 CF): filter-absorb CPM	15-min RAD DATA: change in SRD mR	15-min RAD DATA: contam cpm/100cm2	*CONTROLLER INFO*: I-131 conc. uCi/cc	SRD percent dose contrib: Plm	Plt	Grd
					Air Sample Background is 60 CPM							
4B	< 0.1	< 0.1	< 0.1	< 0.1	61.	92.	< 0.1	< 0.1	6.2E-11	100	0	0
4A	0.2	0.2	0.4	0.4	63.	210.	< 0.1	0.1	2.8E-10	100	0	0
4CL	0.3	0.3	0.5	0.5	64.	240.	< 0.1	0.1	3.6E-10	100	0	0
4a	1.0	1.0	1.6	1.6	73.	700.	0.2	0.4	1.2E-09	100	0	0
4b	1.1	1.1	1.8	1.8	74.	760.	0.3	0.5	1.3E-09	100	0	0
4c	0.9	0.9	1.5	1.5	72.	640.	0.2	0.4	1.1E-09	100	0	0
4d	0.4	0.4	0.7	0.7	66.	350.	0.1	0.2	5.4E-10	100	0	0
4e	0.1	0.1	0.2	0.2	62.	140.	< 0.1	< 0.1	1.5E-10	100	0	0
4f	< 0.1	< 0.1	< 0.1	< 0.1	60.	73.	< 0.1	< 0.1	2.5E-11	100	0	0
4.5E	< 0.1	< 0.1	< 0.1	< 0.1	60.	61.	< 0.1	< 0.1	1.8E-12	100	0	0
4.5D	< 0.1	< 0.1	< 0.1	< 0.1	60.	71.	< 0.1	< 0.1	2.1E-11	100	0	0
4.5C	0.1	0.1	0.2	0.2	62.	140.	< 0.1	< 0.1	1.5E-10	100	0	0
4.5B	0.4	0.4	0.7	0.7	66.	350.	0.1	0.2	5.5E-10	100	0	0
4.5A	0.9	0.9	1.5	1.5	72.	640.	0.2	0.4	1.1E-09	100	0	0
4.5CL	1.0	1.0	1.7	1.7	74.	750.	0.3	0.5	1.3E-09	100	0	0
4.5a	0.9	0.9	1.5	1.5	72.	640.	0.2	0.4	1.1E-09	100	0	0
4.5b	0.5	0.5	0.7	0.7	66.	350.	0.1	0.2	5.5E-10	100	0	0
4.5c	0.1	0.1	0.2	0.2	62.	140.	< 0.1	< 0.1	1.5E-10	100	0	0
4.5d	< 0.1	< 0.1	< 0.1	< 0.1	60.	71.	< 0.1	< 0.1	2.1E-11	100	0	0
TLD8	0.5	0.5	0.8	0.8	67.	380.	0.1	0.2	6.1E-10	100	0	0
5D	< 0.1	< 0.1	< 0.1	< 0.1	60.	68.	< 0.1	< 0.1	1.6E-11	100	0	0
5C	< 0.1	< 0.1	0.1	0.1	61.	120.	< 0.1	< 0.1	1.1E-10	100	0	0
5B	0.4	0.4	0.6	0.6	65.	300.	< 0.1	0.2	4.8E-10	100	0	0
5A	0.8	0.8	1.3	1.3	70.	560.	0.2	0.3	9.8E-10	100	0	0
5CL	0.9	0.9	1.5	1.5	72.	670.	0.2	0.4	1.1E-09	100	0	0
5a	0.8	0.8	1.3	1.3	70.	560.	0.2	0.3	9.8E-10	100	0	0
5b	0.4	0.4	0.6	0.6	65.	300.	< 0.1	0.2	4.6E-10	100	0	0
5c	< 0.1	< 0.1	0.2	0.2	61.	120.	< 0.1	< 0.1	1.1E-10	100	0	0
5d	< 0.1	< 0.1	< 0.1	< 0.1	60.	68.	< 0.1	< 0.1	1.6E-11	100	0	0
OTHERS	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	0.0E+00	0	0	0

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TABLE E2. f

OFFSITE SURVEY AND SAMPLING DATA (T = 02:15) (09:15)
(continued)

FOR CONTROLLER/OBSERVER USE ONLY
(Not to be Provided to Players):

Current Stability Class E

Primary Release Pt: PS Flow: 1.0E+0 m3/sec
Release Concentration-GIP (uCi/cc): 2.2E+00 2.5E-03 2.6E-04
(Flow & Release Integrated & Averaged over previous 15 minutes)
Whole Body Dose Projection: 24. mRem/hr
Thyroid Dose Projection: 22. mRem/hr
at a distance of: 1.20 miles downwind
Maximums and Projections do not include plant shine or ground shine

Maximum Plume Whole-Body Dose Rate: 24. mRem/hr
at a distance of: 1.20 miles downwind

Maximum Thyroid Dose Commitment: 40. mRem/hr
at a distance of: 1.18 miles downwind

TABLE E2. g

OFFSITE SURVEY AND SAMPLING DATA (T = 02:30) (09:30)

FIELD MONITOR POINT	MONITOR READINGS CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	AIR SAMPLES (10 CF) bare absorb CPM	AIR SAMPLES (10 CF) filter-absorb CPM	15-min RAD DATA change in SRD mR	15-min RAD DATA contam cpm/100cm2	*CONTROLLER INFO* I-131 conc. uCi/cc	*CONTROLLER INFO* SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
.5F	0.1	0.1	0.2	0.2	60.	60.	< 0.1	< 0.1	2.7E-11	99	0	0
.5E	0.7	0.7	1.1	1.2	61.	62.	0.2	< 0.1	1.4E-10	99	0	0
.5D	2.4	2.4	4.0	4.4	65.	66.	0.6	< 0.1	5.1E-10	99	0	0
.5C	6.8	6.9	11.	12.	75.	78.	1.7	0.1	1.4E-09	99	0	0
.5B	13.	13.	21.	23.	88.	94.	3.2	0.2	2.7E-09	99	0	0
.5A	14.	14.	22.	24.	90.	96.	3.4	0.3	2.8E-09	99	0	0
.5CL	14.	14.	23.	25.	90.	96.	3.4	0.3	2.9E-09	99	0	0
.5a	14.	14.	22.	24.	90.	96.	3.4	0.3	2.8E-09	99	0	0
.5b	13.	13.	21.	23.	88.	94.	3.2	0.2	2.7E-09	99	0	0
.5c	6.8	6.9	11.	12.	75.	78.	1.7	0.1	1.4E-09	99	0	0
.5d	2.5	2.5	4.1	4.5	66.	67.	0.6	< 0.1	5.2E-10	99	0	0
.5e	0.7	0.7	1.1	1.2	61.	62.	0.2	< 0.1	1.4E-10	99	0	0
.5f	0.1	0.1	0.2	0.2	60.	60.	< 0.1	< 0.1	2.6E-11	99	0	0
WNP1	0.5	0.5	0.8	0.9	61.	61.	0.1	< 0.1	9.9E-11	99	0	0
1E	0.1	0.1	0.2	0.3	60.	60.	< 0.1	< 0.1	3.1E-11	99	0	0
1D	0.7	0.7	1.2	1.3	62.	62.	0.2	< 0.1	1.5E-10	99	0	0
1C	2.4	2.4	4.0	4.4	65.	66.	0.6	< 0.1	5.0E-10	99	0	0
1B	5.8	5.8	9.5	10.	73.	75.	1.4	0.1	1.2E-09	99	0	0
1A	6.5	6.5	11.	12.	74.	77.	1.6	0.1	1.4E-09	99	0	0
1CL	6.8	6.8	11.	12.	75.	78.	1.7	0.1	1.4E-09	99	0	0
1a	6.5	6.5	11.	12.	74.	77.	1.6	0.1	1.4E-09	99	0	0
1b	5.8	5.8	9.5	10.	73.	75.	1.5	0.1	1.2E-09	99	0	0
1c	2.4	2.5	4.0	4.4	65.	66.	0.6	< 0.1	5.1E-10	99	0	0
1d	0.7	0.7	1.2	1.3	62.	62.	0.2	< 0.1	1.5E-10	99	0	0
1e	0.1	0.1	0.2	0.3	60.	60.	< 0.1	< 0.1	3.0E-11	99	0	0
1.2E	< 0.1	< 0.1	0.2	0.2	60.	60.	< 0.1	< 0.1	2.0E-11	99	0	0
1.2D	0.5	0.5	0.8	0.9	61.	61.	0.1	< 0.1	1.0E-10	99	0	0
1.2C	1.8	1.8	2.9	3.2	64.	65.	0.4	< 0.1	3.7E-10	99	0	0
1.2B	4.5	4.5	7.3	8.0	70.	72.	1.1	< 0.1	9.3E-10	99	0	0
1.2A	5.3	5.3	8.7	9.6	72.	74.	1.3	0.1	1.1E-09	99	0	0
1.2CL	5.6	5.6	9.2	10.	72.	75.	1.4	0.1	1.2E-09	99	0	0

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TABLE E2. g

OFFSITE SURVEY AND SAMPLING DATA (T = 02:30) (09:30)
(continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	ground (mR/hr)	OPEN WINDOW waist (mR/hr)	ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
1.2a	5.3	5.3	8.7	9.6	72.	74.	1.3	0.1	1.1E-09	99	0	0
1.2b	4.5	4.5	7.4	8.1	70.	72.	1.1	< 0.1	9.3E-10	99	0	0
1.2c	1.8	1.8	2.9	3.2	64.	65.	0.4	< 0.1	3.7E-10	99	0	0
1.2d	0.5	0.5	0.8	0.9	61.	61.	0.1	< 0.1	1.0E-10	99	0	0
1.2e	< 0.1	< 0.1	0.2	0.2	60.	60.	< 0.1	< 0.1	2.0E-11	99	0	0
1.5E	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	1.1E-11	99	0	0
1.5D	0.3	0.3	0.5	0.6	61.	61.	< 0.1	< 0.1	6.4E-11	99	0	0
1.5C	1.2	1.2	2.0	2.2	63.	63.	0.3	< 0.1	2.5E-10	99	0	0
1.5B	3.2	3.2	5.2	5.8	67.	68.	0.8	< 0.1	6.6E-10	99	0	0
1.5A	4.1	4.1	6.8	7.5	69.	71.	1.0	< 0.1	8.6E-10	99	0	0
1.5CL	4.4	4.4	7.2	7.9	70.	72.	1.1	< 0.1	9.1E-10	99	0	0
1.5a	4.2	4.2	6.9	7.6	69.	71.	1.0	< 0.1	8.7E-10	99	0	0
1.5b	3.2	3.2	5.3	5.8	67.	68.	0.8	< 0.1	6.6E-10	99	0	0
1.5c	1.2	1.2	2.0	2.2	63.	63.	0.3	< 0.1	2.5E-10	99	0	0
1.5d	0.3	0.3	0.5	0.6	61.	61.	< 0.1	< 0.1	6.4E-11	99	0	0
1.5e	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	1.1E-11	99	0	0
TLD51	3.4	3.4	5.5	6.0	71.	800.	0.8	0.5	1.1E-09	99	0	0
2D	0.2	0.2	0.3	0.3	60.	60.	< 0.1	< 0.1	3.4E-11	99	0	0
2C	0.7	0.7	1.2	1.3	62.	62.	0.2	< 0.1	1.5E-10	99	0	0
2B	2.0	2.0	3.3	3.7	64.	65.	0.5	< 0.1	4.2E-10	99	0	0
2A	3.0	3.0	4.8	5.3	66.	68.	0.7	< 0.1	6.1E-10	99	0	0
2CL	3.2	3.2	5.3	5.8	67.	68.	0.8	< 0.1	6.6E-10	99	0	0
2a	3.0	3.0	4.8	5.3	66.	68.	0.7	< 0.1	6.1E-10	99	0	0
2b	2.0	2.0	3.4	3.7	64.	65.	0.5	< 0.1	4.2E-10	99	0	0
2c	0.7	0.7	1.2	1.3	62.	62.	0.2	< 0.1	1.5E-10	99	0	0
2d	0.2	0.2	0.3	0.3	60.	60.	< 0.1	< 0.1	3.4E-11	99	0	0
TLD3	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	1.1E-11	99	0	0
2.5F	< 0.1	< 0.1	< 0.1	< 0.1	60.	61.	< 0.1	< 0.1	1.9E-12	99	0	0
2.5E	< 0.1	< 0.1	0.1	0.1	60.	77.	< 0.1	< 0.1	2.4E-11	99	0	0
2.5D	0.6	0.6	1.0	1.0	62.	190.	0.1	< 0.1	1.9E-10	99	0	0

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TABLE E2. g

OFFSITE SURVEY AND SAMPLING DATA (T = 02:30) (09:30)
(continued)

FIELD MONITOR POINT	MONITOR READINGS: CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	AIR SAMPLES (10 CF): bare absorb CPM	AIR SAMPLES (10 CF): filter-absorb CPM	15-min RAD DATA: change in SRD mR	15-min RAD DATA: contam cpm/100cm2	*CONTROLLER INFO*: I-131 conc. uCi/cc	SRD percent dose contrib: Plm	Plt	Grd
Air Sample Background is 60 CPM												
2.5C	2.9	2.9	4.7	5.1	70.	700.	0.7	0.4	9.1E-10	99	0	0
2.5B	8.8	8.8	14.	16.	90.	2000.	2.2	1.3	2.8E-09	99	0	0
2.5A	14.	14.	22.	24.	110.	3100.	3.4	2.0	4.4E-09	99	0	0
2.5CL	15.	15.	25.	27.	110.	3400.	3.8	2.2	4.8E-09	99	0	0
2.5a	14.	14.	22.	24.	110.	3100.	3.4	2.0	4.4E-09	99	0	0
2.5b	8.8	8.8	14.	16.	90.	2000.	2.2	1.3	2.8E-09	99	0	0
2.5c	2.8	2.8	4.6	5.0	69.	680.	0.7	0.4	9.0E-10	99	0	0
2.5d	0.6	0.6	1.0	1.0	62.	190.	0.1	< 0.1	1.9E-10	99	0	0
2.5e	< 0.1	< 0.1	0.1	0.1	60.	77.	< 0.1	< 0.1	2.4E-11	99	0	0
2.5f	< 0.1	< 0.1	< 0.1	< 0.1	60.	61.	< 0.1	< 0.1	1.9E-12	99	0	0
3E	< 0.1	< 0.1	< 0.1	< 0.1	60.	69.	< 0.1	< 0.1	1.3E-11	99	0	0
3D	0.4	0.4	0.6	0.7	61.	140.	< 0.1	< 0.1	1.2E-10	99	0	0
3C	2.0	2.0	3.3	3.6	67.	500.	0.5	0.3	6.3E-10	99	0	0
3B	6.3	6.3	10.	11.	83.	1500.	1.6	0.9	2.1E-09	99	0	0
3A	11.	11.	18.	20.	97.	2500.	2.8	1.6	3.5E-09	99	0	0
3CL	12.	12.	20.	22.	100.	2800.	3.0	1.8	4.0E-09	99	0	0
3a	11.	11.	18.	20.	97.	2500.	2.8	1.6	3.5E-09	99	0	0
3b	6.3	6.3	10.	11.	83.	1500.	1.6	0.9	2.1E-09	99	0	0
3c	2.0	2.0	3.3	3.6	67.	500.	0.5	0.3	6.3E-10	99	0	0
3d	0.4	0.4	0.6	0.7	61.	140.	< 0.1	< 0.1	1.2E-10	99	0	0
3e	< 0.1	< 0.1	< 0.1	< 0.1	60.	69.	< 0.1	< 0.1	1.3E-11	99	0	0
4D	< 0.1	< 0.1	< 0.1	< 0.1	60.	62.	< 0.1	< 0.1	4.1E-12	99	0	0
4C	< 0.1	< 0.1	< 0.1	< 0.1	61.	87.	< 0.1	< 0.1	4.8E-11	99	0	0
4B	0.3	0.3	0.6	0.6	64.	260.	< 0.1	0.1	3.5E-10	99	0	0
4A	1.5	1.5	2.5	2.5	77.	970.	0.4	0.6	1.6E-09	99	0	0
4CL	1.9	1.9	3.2	3.2	81.	1200.	0.5	0.8	2.0E-09	99	0	0
4a	6.8	6.8	11.	11.	130.	4000.	1.7	2.7	6.8E-09	99	0	0
4b	7.3	7.3	12.	12.	140.	4300.	1.8	2.9	7.5E-09	99	0	0
4c	5.8	5.8	9.6	9.7	130.	3600.	1.5	2.4	6.2E-09	99	0	0
4d	2.9	2.9	4.8	4.9	93.	1900.	0.7	1.2	3.1E-09	99	0	0

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TABLE E2. g

OFFSITE SURVEY AND SAMPLING DATA (T = 02:30) (09:30)
(continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
4e	0.8	0.8	1.4	1.4	69.	550.	0.2	0.3	8.4E-10	99	0	0
4f	0.1	0.1	0.2	0.2	62.	140.	< 0.1	< 0.1	1.5E-10	99	0	0
4.5E	< 0.1	< 0.1	< 0.1	< 0.1	60.	66.	< 0.1	< 0.1	1.0E-11	99	0	0
4.5D	0.1	0.1	0.2	0.2	61.	130.	< 0.1	< 0.1	1.2E-10	99	0	0
4.5C	0.8	0.8	1.3	1.3	68.	530.	0.2	0.3	8.0E-10	99	0	0
4.5B	3.0	3.0	5.0	5.0	93.	1900.	0.8	1.2	3.1E-09	99	0	0
4.5A	5.8	5.8	9.6	9.7	130.	3700.	1.5	2.5	6.3E-09	99	0	0
4.5CL	7.3	7.3	12.	12.	140.	4300.	1.8	2.9	7.4E-09	99	0	0
4.5a	5.8	5.8	9.6	9.7	130.	3700.	1.5	2.5	6.3E-09	99	0	0
4.5b	3.0	3.0	5.0	5.0	93.	1900.	0.8	1.2	3.1E-09	99	0	0
4.5c	0.8	0.8	1.3	1.3	68.	530.	0.2	0.3	8.0E-10	99	0	0
4.5d	0.1	0.1	0.2	0.2	61.	130.	< 0.1	< 0.1	1.2E-10	99	0	0
4.5e	< 0.1	< 0.1	< 0.1	< 0.1	60.	62.	< 0.1	< 0.1	3.2E-12	99	0	0
TLD8	3.3	3.3	5.4	5.5	95.	2000.	0.8	1.3	3.3E-09	99	0	0
5E	< 0.1	< 0.1	< 0.1	< 0.1	60.	64.	< 0.1	< 0.1	6.8E-12	99	0	0
5D	< 0.1	< 0.1	0.1	0.1	61.	110.	< 0.1	< 0.1	8.8E-11	99	0	0
5C	0.6	0.6	1.0	1.1	67.	430.	0.2	0.2	6.4E-10	99	0	0
5B	2.5	2.5	4.2	4.2	88.	1600.	0.6	1.0	2.7E-09	99	0	0
5A	5.3	5.3	8.8	8.9	120.	3300.	1.3	2.2	5.5E-09	99	0	0
5CL	6.3	6.3	10.	11.	130.	3900.	1.6	2.6	6.4E-09	99	0	0
5a	5.3	5.3	8.8	8.9	120.	3300.	1.3	2.2	5.5E-09	99	0	0
5b	2.5	2.5	4.2	4.2	88.	1600.	0.6	1.0	2.7E-09	99	0	0
5c	0.6	0.6	1.0	1.1	67.	430.	0.2	0.2	6.4E-10	99	0	0
5d	< 0.1	< 0.1	0.1	0.1	61.	110.	< 0.1	< 0.1	9.0E-11	99	0	0
5e	< 0.1	< 0.1	< 0.1	< 0.1	60.	64.	< 0.1	< 0.1	6.8E-12	99	0	0
6D	< 0.1	< 0.1	< 0.1	< 0.1	60.	64.	< 0.1	< 0.1	7.5E-12	100	0	0
6C	< 0.1	< 0.1	< 0.1	< 0.1	61.	100.	< 0.1	< 0.1	7.4E-11	100	0	0
6B	0.3	0.3	0.4	0.4	64.	260.	< 0.1	0.1	3.3E-10	100	0	0
6A	0.6	0.6	1.0	1.0	68.	490.	0.1	0.3	7.4E-10	100	0	0
6CL	0.7	0.7	1.2	1.2	69.	580.	0.2	0.3	9.0E-10	100	0	0

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TABLE E2. g

OFFSITE SURVEY AND SAMPLING DATA (T = 02:30) (09:30)
(continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
6a	0.6	0.6	1.0	1.0	68.	490.	0.1	0.3	7.4E-10	100	0	0
6b	0.3	0.3	0.4	0.4	64.	260.	< 0.1	0.1	3.3E-10	100	0	0
6c	< 0.1	< 0.1	< 0.1	< 0.1	61.	100.	< 0.1	< 0.1	7.4E-11	100	0	0
6d	< 0.1	< 0.1	< 0.1	< 0.1	60.	65.	< 0.1	< 0.1	9.1E-12	100	0	0
OTHERS	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	0.0E+00	0	0	0

FOR CONTROLLER/OBSERVER USE ONLY
(Not to be Provided to Players):

Current Stability Class E

Primary Release Pt: PS Flow: 1.6E+0 m3/sec
Release Concentration-GIP (uCi/cc): 2.1E-01 1.6E-04 2.2E-05
(Flow & Release Integrated & Averaged over previous 15 minutes)
Whole Body Dose Projection: 3.5 mRem/hr
Thyroid Dose Projection: 2.3 mRem/hr
at a distance of: 1.20 miles downwind
Maximums and Projections do not include plant shine or ground shine

Maximum Plume Whole-Body Dose Rate: 21. mRem/hr
at a distance of: 1.18 miles downwind

Maximum Thyroid Dose Commitment: 21. mRem/hr
at a distance of: 1.18 miles downwind

TABLE E3. g

ENVIRONMENTAL SAMPLING DATA (T = 02:30) (09:30)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
.5F	1.7E4	1.7E4	1.5
.5E	8.6E4	8.7E4	7.7
.5D	3.2E5	3.2E5	29.
.5C	9.0E5	9.0E5	80.
.5B	1.7E6	1.7E6	150.
.5A	1.8E6	1.8E6	160.
.5CL	1.8E6	1.8E6	160.
.5a	1.8E6	1.8E6	160.
.5b	1.7E6	1.7E6	150.
.5c	9.0E5	9.0E5	80.
.5d	3.3E5	3.3E5	29.
.5e	8.9E4	9.0E4	7.9
.5f	1.7E4	1.7E4	1.5
WNP1	6.2E4	6.2E4	5.5
WNP1GATE	1400.	1400.	0.1
1F	2800.	2800.	0.3
1E	1.9E4	1.9E4	1.7
1D	9.5E4	9.6E4	8.5
1C	3.2E5	3.2E5	28.
1B	7.6E5	7.6E5	68.
1A	8.6E5	8.7E5	77.
1CL	8.9E5	9.0E5	79.
1a	8.6E5	8.7E5	77.
1b	7.6E5	7.7E5	68.
1c	3.2E5	3.2E5	29.
1d	9.5E4	9.5E4	8.5
1e	1.9E4	1.9E4	1.7
1.2F	1600.	1600.	0.1
1.2E	1.3E4	1.3E4	1.1
1.2D	6.6E4	6.6E4	5.9
1.2C	2.4E5	2.4E5	21.
1.2B	5.8E5	5.8E5	52.
1.2A	7.1E5	7.1E5	63.
1.2CL	7.5E5	7.5E5	66.
1.2a	7.1E5	7.1E5	63.
1.2b	6.0E5	6.1E5	54.
1.2c	2.4E5	2.4E5	21.
1.2d	6.6E4	6.6E4	5.9
1.2e	1.3E4	1.3E4	1.1
1.2f	1600.	1600.	0.1

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TABLE E2. h

OFFSITE SURVEY AND SAMPLING DATA (T = 02:45) (09:45)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPM							
.5D	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	5.6E-14	0	0	99
.5C	< 0.1	< 0.1	< 0.1	1.1	60.	60.	< 0.1	< 0.1	1.6E-13	0	0	99
.5B	0.1	0.2	0.1	2.1	60.	60.	< 0.1	< 0.1	2.9E-13	0	0	99
.5A	0.1	0.2	0.1	2.2	60.	60.	< 0.1	< 0.1	3.1E-13	0	0	99
.5CL	0.1	0.2	0.1	2.2	60.	60.	< 0.1	< 0.1	3.1E-13	0	0	99
.5a	0.1	0.2	0.1	2.2	60.	60.	< 0.1	< 0.1	3.1E-13	0	0	99
.5b	0.1	0.2	0.1	2.1	60.	60.	< 0.1	< 0.1	2.9E-13	0	0	99
.5c	< 0.1	< 0.1	< 0.1	1.1	60.	60.	< 0.1	< 0.1	1.6E-13	0	0	99
.5d	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	5.7E-14	0	0	99
1C	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	5.5E-14	0	0	99
1B	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	1.3E-13	0	0	99
1A	< 0.1	< 0.1	< 0.1	1.1	60.	60.	< 0.1	< 0.1	1.5E-13	0	0	99
1CL	< 0.1	< 0.1	< 0.1	1.1	60.	60.	< 0.1	< 0.1	1.5E-13	0	0	99
1a	< 0.1	< 0.1	< 0.1	1.1	60.	60.	< 0.1	< 0.1	1.5E-13	0	0	99
1b	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	1.3E-13	0	0	99
1c	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	5.6E-14	0	0	99
1.2C	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	4.1E-14	0	0	99
1.2B	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	1.0E-13	0	0	99
1.2A	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	1.2E-13	0	0	99
1.2CL	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	1.3E-13	0	0	99
1.2a	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	1.2E-13	0	0	99
1.2b	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	1.0E-13	0	0	99
1.2c	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	4.1E-14	0	0	99
1.5C	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.7E-14	0	0	99
1.5B	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	7.3E-14	0	0	99
1.5A	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	9.4E-14	0	0	99
1.5CL	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	1.0E-13	0	0	99
1.5a	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	9.5E-14	0	0	99
1.5b	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	7.3E-14	0	0	99
1.5c	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.8E-14	0	0	99
TLD51	0.5	0.5	0.8	1.4	61.	160.	0.1	< 0.1	1.1E-10	98	0	1

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TABLE E2. h

OFFSITE SURVEY AND SAMPLING DATA (T = 02:45) (09:45)
(continued)

FIELD MONITOR POINT	MONITOR READINGS: CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	AIR SAMPLES (10 CF): bare absorb CPM	AIR SAMPLES (10 CF): filter-absorb CPM	15-min RAD DATA: change in SRD mR	15-min RAD DATA: contam cpm/100cm2	*CONTROLLER INFO*: I-131 conc. uCi/cc	SRD percent dose contrib: Plm	Plt	Grd
					Air Sample Background is 60 CPM							
2B	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	4.6E-14	0	0	99
2A	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	6.7E-14	0	0	99
2CL	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	7.3E-14	0	0	99
2a	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	6.7E-14	0	0	99
2b	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	4.7E-14	0	0	99
2.5E	< 0.1	< 0.1	< 0.1	< 0.1	60.	62.	< 0.1	< 0.1	2.4E-12	98	0	1
2.5D	< 0.1	< 0.1	0.1	0.2	60.	77.	< 0.1	< 0.1	1.9E-11	98	0	1
2.5C	0.4	0.4	0.7	1.2	61.	140.	0.1	< 0.1	9.2E-11	98	0	1
2.5B	1.3	1.3	2.1	3.7	63.	320.	0.3	0.2	2.8E-10	98	0	1
2.5A	2.0	2.1	3.4	5.8	65.	470.	0.5	0.3	4.5E-10	98	0	1
2.5CL	2.2	2.3	3.7	6.4	65.	510.	0.6	0.3	4.9E-10	98	0	1
2.5a	2.0	2.1	3.4	5.8	65.	470.	0.5	0.3	4.5E-10	98	0	1
2.5b	1.3	1.3	2.1	3.7	63.	320.	0.3	0.2	2.8E-10	98	0	1
2.5c	0.4	0.4	0.7	1.2	61.	140.	0.1	< 0.1	9.2E-11	98	0	1
2.5d	< 0.1	< 0.1	0.1	0.2	60.	77.	< 0.1	< 0.1	1.9E-11	98	0	1
2.5e	< 0.1	< 0.1	< 0.1	< 0.1	60.	62.	< 0.1	< 0.1	2.4E-12	98	0	1
3E	< 0.1	< 0.1	< 0.1	< 0.1	60.	61.	< 0.1	< 0.1	1.4E-12	98	0	1
3D	< 0.1	< 0.1	< 0.1	0.2	60.	71.	< 0.1	< 0.1	1.2E-11	98	0	1
3C	0.3	0.3	0.5	0.8	61.	120.	< 0.1	< 0.1	6.4E-11	98	0	1
3B	1.0	1.0	1.6	2.7	62.	260.	0.2	0.1	2.2E-10	98	0	1
3A	1.6	1.6	2.7	4.6	64.	390.	0.4	0.2	3.5E-10	98	0	1
3CL	1.8	1.8	3.0	5.2	64.	420.	0.5	0.2	4.1E-10	98	0	1
3a	1.6	1.6	2.7	4.6	64.	390.	0.4	0.2	3.5E-10	98	0	1
3b	1.0	1.0	1.6	2.7	62.	260.	0.2	0.1	2.2E-10	98	0	1
3c	0.3	0.3	0.5	0.8	61.	120.	< 0.1	< 0.1	6.4E-11	98	0	1
3d	< 0.1	< 0.1	< 0.1	0.2	60.	71.	< 0.1	< 0.1	1.2E-11	98	0	1
3e	< 0.1	< 0.1	< 0.1	< 0.1	60.	61.	< 0.1	< 0.1	1.4E-12	98	0	1
4D	< 0.1	< 0.1	< 0.1	< 0.1	60.	62.	< 0.1	< 0.1	2.6E-12	99	0	0
4C	< 0.1	< 0.1	< 0.1	< 0.1	60.	84.	< 0.1	< 0.1	2.8E-11	99	0	0
4B	0.3	0.3	0.6	0.6	62.	240.	< 0.1	0.1	2.0E-10	99	0	0

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TABLE E2. h

OFFSITE SURVEY AND SAMPLING DATA (T = 02:45) (09:45)
(continued)

FIELD MONITOR POINT	MONITOR READINGS: CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	AIR SAMPLES (10 CF): bare absorb CPM	AIR SAMPLES (10 CF): filter-absorb CPM	15-min RAD DATA: change in SRD mR	15-min RAD DATA: contam cpm/100cm2	*CONTROLLER INFO*: I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
4A	1.5	1.6	2.6	2.9	70.	880.	0.4	0.5	9.5E-10	99	0	0
4CL	2.0	2.0	3.3	3.7	73.	1100.	0.5	0.7	1.2E-09	99	0	0
4a	7.0	7.0	12.	13.	100.	3500.	1.8	2.2	4.1E-09	99	0	0
4b	7.5	7.5	12.	14.	110.	3800.	1.9	2.4	4.5E-09	99	0	0
4c	6.1	6.1	10.	11.	98.	3200.	1.5	2.0	3.6E-09	99	0	0
4d	3.0	3.1	5.0	5.6	78.	1600.	0.8	0.9	1.8E-09	99	0	0
4e	0.8	0.8	1.4	1.6	65.	500.	0.2	0.3	5.0E-10	99	0	0
4f	0.1	0.1	0.2	0.3	61.	130.	< 0.1	< 0.1	8.5E-11	99	0	0
4.5E	< 0.1	< 0.1	< 0.1	< 0.1	60.	65.	< 0.1	< 0.1	6.1E-12	99	0	0
4.5D	0.1	0.1	0.2	0.2	61.	120.	< 0.1	< 0.1	7.2E-11	99	0	0
4.5C	0.8	0.8	1.3	1.5	65.	480.	0.2	0.3	4.9E-10	99	0	0
4.5B	3.1	3.1	5.2	5.8	80.	1700.	0.8	1.0	1.9E-09	99	0	0
4.5A	6.1	6.1	10.	11.	100.	3200.	1.5	2.0	3.8E-09	99	0	0
4.5CL	7.5	7.5	12.	14.	110.	3800.	1.9	2.4	4.3E-09	99	0	0
4.5a	6.1	6.1	10.	11.	100.	3200.	1.5	2.0	3.8E-09	99	0	0
4.5b	3.1	3.1	5.2	5.8	80.	1700.	0.8	1.0	1.9E-09	99	0	0
4.5c	0.8	0.8	1.3	1.5	65.	480.	0.2	0.3	4.9E-10	99	0	0
4.5d	0.1	0.1	0.2	0.2	61.	120.	< 0.1	< 0.1	7.2E-11	99	0	0
4.5e	< 0.1	< 0.1	< 0.1	< 0.1	60.	62.	< 0.1	< 0.1	1.9E-12	99	0	0
TLD8	3.4	3.4	5.6	6.3	81.	1900.	0.8	1.1	2.0E-09	99	0	0
5E	< 0.1	< 0.1	< 0.1	< 0.1	60.	63.	< 0.1	< 0.1	4.1E-12	99	0	0
5D	< 0.1	< 0.1	0.1	0.2	61.	110.	< 0.1	< 0.1	5.3E-11	99	0	0
5C	0.7	0.7	1.1	1.2	64.	390.	0.2	0.2	3.8E-10	99	0	0
5B	2.6	2.6	4.3	4.9	77.	1400.	0.7	0.9	1.6E-09	99	0	0
5A	5.6	5.6	9.3	10.	94.	2900.	1.4	1.8	3.2E-09	99	0	0
5CL	6.6	6.6	11.	12.	100.	3400.	1.6	2.1	3.9E-09	99	0	0
5a	5.6	5.6	9.3	10.	94.	2900.	1.4	1.8	3.2E-09	99	0	0
5b	2.6	2.6	4.3	4.9	77.	1400.	0.7	0.8	1.6E-09	99	0	0
5c	0.7	0.7	1.1	1.2	64.	390.	0.2	0.2	3.8E-10	99	0	0
5d	< 0.1	< 0.1	0.1	0.2	61.	110.	< 0.1	< 0.1	5.4E-11	99	0	0

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TABLE E2. h

OFFSITE SURVEY AND SAMPLING DATA (T = 02:45) (09:45)
(continued)

FIELD MONITOR POINT	MONITOR READINGS: CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	AIR SAMPLES (10 CF): bare absorb CPM	AIR SAMPLES (10 CF): filter-absorb CPM	15-min RAD DATA: change in SRD mR	15-min RAD DATA: contam cpm/100cm2	*CONTROLLER INFO*: I-131 conc. uCi/cc	SRD percent dose contrib: Plm	Plt	Grd
					Air Sample Background is 60 CPM							
5e	< 0.1	< 0.1	< 0.1	< 0.1	60.	63.	< 0.1	< 0.1	4.1E-12	99	0	0
6E	< 0.1	< 0.1	< 0.1	< 0.1	60.	62.	< 0.1	< 0.1	3.4E-12	99	0	0
6D	< 0.1	< 0.1	< 0.1	< 0.1	60.	87.	< 0.1	< 0.1	4.2E-11	99	0	0
6C	0.4	0.4	0.6	0.7	64.	320.	< 0.1	0.2	4.2E-10	99	0	0
6B	1.7	1.7	2.9	2.9	80.	1200.	0.4	0.8	1.9E-09	99	0	0
6A	3.9	3.9	6.4	6.6	100.	2600.	1.0	1.7	4.2E-09	99	0	0
6CL	4.7	4.7	7.7	7.9	110.	3200.	1.2	2.1	5.0E-09	99	0	0
6a	3.9	3.9	6.4	6.6	100.	2600.	1.0	1.7	4.2E-09	99	0	0
6b	1.7	1.7	2.9	2.9	80.	1200.	0.4	0.8	1.9E-09	99	0	0
6c	0.4	0.4	0.6	0.6	64.	320.	< 0.1	0.2	4.2E-10	99	0	0
6d	< 0.1	< 0.1	< 0.1	< 0.1	61.	92.	< 0.1	< 0.1	5.0E-11	99	0	0
6e	< 0.1	< 0.1	< 0.1	< 0.1	60.	62.	< 0.1	< 0.1	3.4E-12	99	0	0
7D	< 0.1	< 0.1	< 0.1	< 0.1	60.	63.	< 0.1	< 0.1	5.5E-12	100	0	0
7C	< 0.1	< 0.1	< 0.1	< 0.1	61.	90.	< 0.1	< 0.1	5.0E-11	100	0	0
7B	0.2	0.2	0.3	0.3	63.	210.	< 0.1	< 0.1	2.4E-10	100	0	0
7A	0.4	0.4	0.7	0.7	66.	420.	0.1	0.2	5.8E-10	100	0	0
7CL	0.6	0.6	0.9	0.9	68.	500.	0.1	0.3	7.3E-10	100	0	0
7a	0.4	0.4	0.7	0.7	66.	420.	0.1	0.2	5.8E-10	100	0	0
7b	0.2	0.2	0.3	0.3	63.	210.	< 0.1	< 0.1	2.4E-10	100	0	0
7c	< 0.1	< 0.1	< 0.1	< 0.1	61.	90.	< 0.1	< 0.1	5.0E-11	100	0	0
7d	< 0.1	< 0.1	< 0.1	< 0.1	60.	63.	< 0.1	< 0.1	5.4E-12	100	0	0
OTHERS	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	0.0E+00	0	0	0

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TABLE E2. h

OFFSITE SURVEY AND SAMPLING DATA (T = 02:45) (09:45)
(continued)

FOR CONTROLLER/OBSERVER USE ONLY
(Not to be Provided to Players):

Current Stability Class E

Primary Release Pt: PS Flow: 2.1E+0 m3/sec
Release Concentration-GIP (uCi/cc): 1.2E-05 1.3E-08 1.5E-08
(Flow & Release Integrated & Averaged over previous 15 minutes)
Whole Body Dose Projection: < 0.1 mRem/hr
Thyroid Dose Projection: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind
Maximums and Projections do not include plant shine or ground shine

Maximum Plume Whole-Body Dose Rate: 9.2 mRem/hr
at a distance of: 1.99 miles downwind

Maximum Thyroid Dose Commitment: 11. mRem/hr
at a distance of: 3.98 miles downwind

TABLE E2. i

OFFSITE SURVEY AND SAMPLING DATA (T = 03:00) (10:00)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/100cm2	I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPM							
.5D	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	4.0E-14	0	0	99
.5C	< 0.1	< 0.1	< 0.1	1.0	60.	60.	< 0.1	< 0.1	1.1E-13	0	0	99
.5B	0.1	0.2	0.1	2.0	60.	60.	< 0.1	< 0.1	2.1E-13	0	0	99
.5A	0.1	0.2	0.1	2.0	60.	60.	< 0.1	< 0.1	2.2E-13	0	0	99
.5CL	0.1	0.2	0.1	2.1	60.	60.	< 0.1	< 0.1	2.2E-13	0	0	99
.5a	0.1	0.2	0.1	2.0	60.	60.	< 0.1	< 0.1	2.2E-13	0	0	99
.5b	0.1	0.2	0.1	2.0	60.	60.	< 0.1	< 0.1	2.1E-13	0	0	99
.5c	< 0.1	< 0.1	< 0.1	1.0	60.	60.	< 0.1	< 0.1	1.1E-13	0	0	99
.5d	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	4.1E-14	0	0	99
1C	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	4.0E-14	0	0	99
1B	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	9.5E-14	0	0	99
1A	< 0.1	< 0.1	< 0.1	1.0	60.	60.	< 0.1	< 0.1	1.1E-13	0	0	99
1CL	< 0.1	< 0.1	< 0.1	1.0	60.	60.	< 0.1	< 0.1	1.1E-13	0	0	99
1a	< 0.1	< 0.1	< 0.1	1.0	60.	60.	< 0.1	< 0.1	1.1E-13	0	0	99
1b	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	9.5E-14	0	0	99
1c	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	4.0E-14	0	0	99
1.2C	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	2.9E-14	0	0	99
1.2B	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	7.3E-14	0	0	99
1.2A	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	8.7E-14	0	0	99
1.2CL	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	9.1E-14	0	0	99
1.2a	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	8.7E-14	0	0	99
1.2b	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	7.4E-14	0	0	99
1.2c	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	2.9E-14	0	0	99
1.5C	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.0E-14	0	0	99
1.5B	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	5.2E-14	0	0	99
1.5A	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	6.8E-14	0	0	99
1.5CL	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	7.2E-14	0	0	99
1.5a	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	6.9E-14	0	0	99
1.5b	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	5.2E-14	0	0	99
1.5c	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.0E-14	0	0	99
TLD51	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.2E-14	0	0	99

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TABLE E2. i

OFFSITE SURVEY AND SAMPLING DATA (T = 03:00) (10:00)
(continued)

FIELD MONITOR POINT	MONITOR READINGS: CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	AIR SAMPLES (10 CF): bare absorb CPM	AIR SAMPLES (10 CF): filter-absorb CPM	15-min RAD DATA: change in SRD mR	15-min RAD DATA: contam cpm/100cm2	*CONTROLLER INFO*: I-131 conc. uCi/cc	SRD percent dose contrib: Plm	Plt	Grd
					Air Sample Background is 60 CPM							
2B	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.3E-14	0	0	99
2A	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	4.8E-14	0	0	99
2CL	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	5.2E-14	0	0	99
2a	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	4.8E-14	0	0	99
2b	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.3E-14	0	0	99
2.5C	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.0E-14	0	0	99
2.5B	< 0.1	< 0.1	< 0.1	1.1	60.	60.	< 0.1	< 0.1	3.1E-14	0	0	99
2.5A	< 0.1	< 0.1	< 0.1	1.7	60.	60.	< 0.1	< 0.1	4.9E-14	0	0	99
2.5CL	< 0.1	< 0.1	< 0.1	1.9	60.	60.	< 0.1	< 0.1	5.5E-14	0	0	99
2.5a	< 0.1	< 0.1	< 0.1	1.7	60.	60.	< 0.1	< 0.1	4.9E-14	0	0	99
2.5b	< 0.1	< 0.1	< 0.1	1.1	60.	60.	< 0.1	< 0.1	3.1E-14	0	0	99
2.5c	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.0E-14	0	0	99
3C	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	7.1E-15	0	0	99
3B	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	2.3E-14	0	0	99
3A	< 0.1	< 0.1	< 0.1	1.4	60.	60.	< 0.1	< 0.1	4.0E-14	0	0	99
3CL	< 0.1	< 0.1	< 0.1	1.5	60.	60.	< 0.1	< 0.1	4.4E-14	0	0	99
3a	< 0.1	< 0.1	< 0.1	1.4	60.	60.	< 0.1	< 0.1	4.0E-14	0	0	99
3b	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	2.3E-14	0	0	99
3c	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	7.1E-15	0	0	99
4D	< 0.1	< 0.1	< 0.1	< 0.1	60.	62.	< 0.1	< 0.1	1.3E-12	99	0	0
4C	< 0.1	< 0.1	< 0.1	< 0.1	60.	80.	< 0.1	< 0.1	1.5E-11	99	0	0
4B	0.3	0.3	0.5	0.6	61.	200.	< 0.1	< 0.1	1.1E-10	99	0	0
4A	1.4	1.4	2.3	2.8	65.	690.	0.4	0.4	4.9E-10	99	0	0
4CL	1.8	1.8	3.0	3.6	67.	870.	0.5	0.5	6.3E-10	99	0	0
4a	6.4	6.4	11.	12.	83.	2800.	1.6	1.6	2.2E-09	99	0	0
4b	6.9	6.9	11.	13.	84.	3100.	1.7	1.8	2.3E-09	99	0	0
4c	5.5	5.5	9.1	11.	80.	2500.	1.4	1.4	1.9E-09	99	0	0
4d	2.7	2.8	4.5	5.4	70.	1300.	0.7	0.7	9.4E-10	99	0	0
4e	0.8	0.8	1.3	1.5	63.	390.	0.2	0.2	2.6E-10	99	0	0
4f	0.1	0.1	0.2	0.3	60.	120.	< 0.1	< 0.1	4.4E-11	99	0	0

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TABLE E2. i

OFFSITE SURVEY AND SAMPLING DATA (T = 03:00) (10:00)
(continued)

FIELD MONITOR POINT	MONITOR READINGS: CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	AIR SAMPLES (10 CF): bare absorb CPM	AIR SAMPLES (10 CF): filter-absorb CPM	15-min RAD DATA: change in SRD mR	15-min RAD DATA: contam cpm/100cm2	*CONTROLLER INFO*: I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPM							
4.5E	< 0.1	< 0.1	< 0.1	< 0.1	60.	64.	< 0.1	< 0.1	3.1E-12	99	0	0
4.5D	0.1	0.1	0.2	0.2	60.	110.	< 0.1	< 0.1	3.7E-11	99	0	0
4.5C	0.7	0.7	1.2	1.4	63.	390.	0.2	0.2	2.5E-10	99	0	0
4.5B	2.8	2.8	4.7	5.6	70.	1300.	0.7	0.7	9.8E-10	99	0	0
4.5A	5.5	5.5	9.1	11.	80.	2600.	1.4	1.5	1.9E-09	99	0	0
4.5CL	6.9	6.9	11.	13.	84.	2900.	1.7	1.7	2.3E-09	99	0	0
4.5a	5.5	5.5	9.1	11.	80.	2600.	1.4	1.5	1.9E-09	99	0	0
4.5b	2.8	2.8	4.7	5.6	70.	1300.	0.7	0.7	9.8E-10	99	0	0
4.5c	0.7	0.7	1.2	1.4	63.	390.	0.2	0.2	2.5E-10	99	0	0
4.5d	0.1	0.1	0.2	0.2	60.	110.	< 0.1	< 0.1	3.7E-11	99	0	0
4.5e	< 0.1	< 0.1	< 0.1	< 0.1	60.	61.	< 0.1	< 0.1	9.8E-13	99	0	0
TLD8	3.1	3.1	5.1	6.1	71.	1400.	0.8	0.8	1.1E-09	99	0	0
5E	< 0.1	< 0.1	< 0.1	< 0.1	60.	63.	< 0.1	< 0.1	2.2E-12	99	0	0
5D	< 0.1	< 0.1	0.1	0.2	60.	96.	< 0.1	< 0.1	2.7E-11	99	0	0
5C	0.6	0.6	1.0	1.2	62.	320.	0.1	0.2	2.1E-10	99	0	0
5B	2.4	2.4	3.9	4.7	68.	1100.	0.6	0.6	8.2E-10	99	0	0
5A	5.0	5.0	8.3	9.8	77.	2200.	1.3	1.2	1.6E-09	99	0	0
5CL	5.9	6.0	9.8	12.	81.	2600.	1.5	1.5	2.1E-09	99	0	0
5a	5.0	5.0	8.3	9.8	77.	2200.	1.3	1.2	1.6E-09	99	0	0
5b	2.4	2.4	3.9	4.7	68.	1100.	0.6	0.6	8.2E-10	99	0	0
5c	0.6	0.6	1.0	1.2	62.	320.	0.1	0.2	2.1E-10	99	0	0
5d	< 0.1	< 0.1	0.1	0.2	60.	96.	< 0.1	< 0.1	2.7E-11	99	0	0
5e	< 0.1	< 0.1	< 0.1	< 0.1	60.	63.	< 0.1	< 0.1	2.2E-12	99	0	0
6E	< 0.1	< 0.1	< 0.1	< 0.1	60.	62.	< 0.1	< 0.1	2.1E-12	99	0	0
6D	< 0.1	< 0.1	< 0.1	< 0.1	60.	84.	< 0.1	< 0.1	2.5E-11	99	0	0
6C	0.4	0.4	0.7	0.8	63.	300.	0.1	0.1	2.5E-10	99	0	0
6B	1.8	1.8	3.0	3.4	71.	1100.	0.5	0.6	1.1E-09	99	0	0
6A	4.1	4.1	6.7	7.6	85.	2500.	1.0	1.5	2.5E-09	99	0	0
6CL	5.0	5.0	8.3	9.4	91.	2900.	1.3	1.8	3.0E-09	99	0	0
6a	4.1	4.1	6.7	7.6	85.	2500.	1.0	1.5	2.5E-09	99	0	0

CONTINUED ON NEXT PAGE

TABLE E2. i

OFFSITE SURVEY AND SAMPLING DATA (T = 03:00) (10:00) (continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
6b	1.8	1.8	3.0	3.4	72.	1100.	0.5	0.7	1.1E-09	99	0	0
6c	0.4	0.4	0.7	0.8	63.	300.	0.1	0.1	2.5E-10	99	0	0
6d	< 0.1	< 0.1	< 0.1	< 0.1	60.	89.	< 0.1	< 0.1	3.0E-11	99	0	0
6e	< 0.1	< 0.1	< 0.1	< 0.1	60.	62.	< 0.1	< 0.1	2.1E-12	99	0	0
7E	< 0.1	< 0.1	< 0.1	< 0.1	60.	61.	< 0.1	< 0.1	1.8E-12	99	0	0
7D	< 0.1	< 0.1	< 0.1	< 0.1	60.	81.	< 0.1	< 0.1	3.0E-11	99	0	0
7C	0.3	0.3	0.4	0.4	63.	260.	< 0.1	0.1	2.9E-10	99	0	0
7B	1.3	1.3	2.1	2.2	74.	990.	0.3	0.6	1.4E-09	99	0	0
7A	3.0	3.0	5.0	5.1	94.	2300.	0.8	1.5	3.3E-09	99	0	0
7CL	3.7	3.7	6.2	6.3	100.	2800.	0.9	1.8	4.1E-09	99	0	0
7a	3.0	3.0	5.0	5.1	94.	2300.	0.8	1.5	3.3E-09	99	0	0
7b	1.3	1.3	2.1	2.2	74.	990.	0.3	0.6	1.4E-09	99	0	0
7c	0.3	0.3	0.4	0.4	63.	260.	< 0.1	0.1	2.9E-10	99	0	0
7d	< 0.1	< 0.1	< 0.1	< 0.1	60.	81.	< 0.1	< 0.1	3.0E-11	99	0	0
7e	< 0.1	< 0.1	< 0.1	< 0.1	60.	61.	< 0.1	< 0.1	1.8E-12	99	0	0
EMSCHOOL	0.2	0.2	0.3	0.3	62.	210.	< 0.1	< 0.1	2.3E-10	100	0	0
8D	< 0.1	< 0.1	< 0.1	< 0.1	60.	62.	< 0.1	< 0.1	3.4E-12	100	0	0
8C	< 0.1	< 0.1	< 0.1	< 0.1	60.	83.	< 0.1	< 0.1	3.6E-11	100	0	0
8B	0.1	0.1	0.2	0.2	62.	180.	< 0.1	< 0.1	1.9E-10	100	0	0
8A	0.4	0.4	0.6	0.6	65.	360.	< 0.1	0.2	4.8E-10	100	0	0
8CL	0.5	0.5	0.7	0.7	66.	440.	0.1	0.3	6.0E-10	100	0	0
BLEARZAR	0.3	0.3	0.6	0.6	65.	350.	< 0.1	0.2	4.7E-10	100	0	0
OTHERS	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	0.0E+00	0	0	0

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TABLE E2. i

OFFSITE SURVEY AND SAMPLING DATA (T = 03:00) (10:00)
(continued)

FOR CONTROLLER/OBSERVER USE ONLY
(Not to be Provided to Players):

Current Stability Class E

Primary Release Pt: PS Flow: 2.1E+0 m3/sec
Release Concentration-GIP (uCi/cc): 1.0E-05 9.0E-09 8.7E-09
(Flow & Release Integrated & Averaged over previous 15 minutes)
Whole Body Dose Projection: < 0.1 mRem/hr
Thyroid Dose Projection: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind
Maximums and Projections do not include plant shine or ground shine

Maximum Plume Whole-Body Dose Rate: 4.9 mRem/hr
at a distance of: 2.98 miles downwind

Maximum Thyroid Dose Commitment: 8.0 mRem/hr
at a distance of: 4.97 miles downwind

TABLE E2. j

OFFSITE SURVEY AND SAMPLING DATA (T = 03:15) (10:15)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPM							
.5D	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.1E-14	0	0	99
.5C	< 0.1	< 0.1	< 0.1	1.0	60.	60.	< 0.1	< 0.1	8.6E-14	0	0	99
.5B	0.1	0.1	0.1	1.8	60.	60.	< 0.1	< 0.1	1.6E-13	0	0	99
.5A	0.1	0.1	0.1	1.9	60.	60.	< 0.1	< 0.1	1.7E-13	0	0	99
.5CL	0.1	0.2	0.1	2.0	60.	60.	< 0.1	< 0.1	1.7E-13	0	0	99
.5a	0.1	0.1	0.1	1.9	60.	60.	< 0.1	< 0.1	1.7E-13	0	0	99
.5b	0.1	0.1	0.1	1.8	60.	60.	< 0.1	< 0.1	1.6E-13	0	0	99
.5c	< 0.1	< 0.1	< 0.1	1.0	60.	60.	< 0.1	< 0.1	8.6E-14	0	0	99
.5d	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	3.2E-14	0	0	99
1C	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.0E-14	0	0	99
1B	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	7.3E-14	0	0	99
1A	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	8.2E-14	0	0	99
1CL	< 0.1	< 0.1	< 0.1	1.0	60.	60.	< 0.1	< 0.1	8.5E-14	0	0	99
1a	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	8.2E-14	0	0	99
1b	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	7.3E-14	0	0	99
1c	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.1E-14	0	0	99
1.2C	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	2.2E-14	0	0	99
1.2B	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	5.6E-14	0	0	99
1.2A	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	6.7E-14	0	0	99
1.2CL	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	7.0E-14	0	0	99
1.2a	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	6.7E-14	0	0	99
1.2b	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	5.7E-14	0	0	99
1.2c	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	2.2E-14	0	0	99
1.5C	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	1.5E-14	0	0	99
1.5B	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	4.0E-14	0	0	99
1.5A	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	5.2E-14	0	0	99
1.5CL	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	5.5E-14	0	0	99
1.5a	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	5.3E-14	0	0	99
1.5b	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	4.0E-14	0	0	99
1.5c	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	1.5E-14	0	0	99
TLD51	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	8.7E-15	0	0	99

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TABLE E2. j

OFFSITE SURVEY AND SAMPLING DATA (T = 03:15) (10:15)
(continued)

FIELD MONITOR POINT	MONITOR READINGS CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	AIR SAMPLES (10 CF) bare absorb CPM	AIR SAMPLES (10 CF) filter-absorb CPM	15-min RAD DATA change in SRD mR	15-min RAD DATA contam cpm/100cm2	*CONTROLLER INFO* I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
2B	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	2.6E-14	0	0	99
2A	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	3.7E-14	0	0	99
2CL	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	4.0E-14	0	0	99
2a	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	3.7E-14	0	0	99
2b	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	2.6E-14	0	0	99
2.5C	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	7.3E-15	0	0	99
2.5B	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	2.2E-14	0	0	99
2.5A	< 0.1	< 0.1	< 0.1	1.1	60.	60.	< 0.1	< 0.1	3.6E-14	0	0	99
2.5CL	< 0.1	< 0.1	< 0.1	1.2	60.	60.	< 0.1	< 0.1	3.9E-14	0	0	99
2.5a	< 0.1	< 0.1	< 0.1	1.1	60.	60.	< 0.1	< 0.1	3.6E-14	0	0	99
2.5b	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	2.2E-14	0	0	99
2.5c	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	7.2E-15	0	0	99
3B	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.7E-14	0	0	99
3A	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	2.8E-14	0	0	99
3CL	< 0.1	< 0.1	< 0.1	1.0	60.	60.	< 0.1	< 0.1	3.2E-14	0	0	99
3a	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	2.8E-14	0	0	99
3b	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.7E-14	0	0	99
4C	< 0.1	< 0.1	< 0.1	< 0.1	60.	63.	< 0.1	< 0.1	1.5E-12	97	0	2
4B	< 0.1	< 0.1	< 0.1	0.2	60.	78.	< 0.1	< 0.1	1.1E-11	97	0	2
4A	0.2	0.2	0.4	0.8	61.	140.	< 0.1	< 0.1	5.0E-11	97	0	2
4CL	0.3	0.3	0.5	1.0	61.	170.	< 0.1	< 0.1	6.5E-11	97	0	2
4a	1.0	1.0	1.6	3.5	62.	440.	0.2	0.2	2.2E-10	97	0	2
4b	1.0	1.0	1.6	3.8	62.	470.	0.3	0.2	2.4E-10	97	0	2
4c	0.8	0.8	1.3	3.1	62.	390.	0.2	0.2	1.9E-10	97	0	2
4d	0.4	0.4	0.7	1.5	61.	230.	0.1	< 0.1	9.7E-11	97	0	2
4e	0.1	0.1	0.2	0.4	60.	110.	< 0.1	< 0.1	2.6E-11	97	0	2
4f	< 0.1	< 0.1	< 0.1	< 0.1	60.	68.	< 0.1	< 0.1	4.6E-12	97	0	2
4.5D	< 0.1	< 0.1	< 0.1	< 0.1	60.	66.	< 0.1	< 0.1	3.7E-12	97	0	2
4.5C	0.1	0.1	0.2	0.4	60.	100.	< 0.1	< 0.1	2.6E-11	97	0	2
4.5B	0.4	0.4	0.7	1.6	61.	230.	0.1	< 0.1	1.0E-10	97	0	2

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TABLE E2. j

OFFSITE SURVEY AND SAMPLING DATA (T = 03:15) (10:15)
(continued)

FIELD MONITOR POINT	MONITOR READINGS: CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	AIR SAMPLES (10 CF): bare absorb CPM	AIR SAMPLES (10 CF): filter-absorb CPM	15-min RAD DATA: change in SRD mR	15-min RAD DATA: contam cpm/100cm2	*CONTROLLER INFO*: I-131 conc. uCi/cc	SRD percent dose contrib: Plm	Plt	Grd
Air Sample Background is 60 CPM												
4.5A	0.9	0.9	1.4	3.2	62.	390.	0.2	0.2	1.9E-10	97	0	2
4.5CL	1.0	1.0	1.6	3.7	62.	450.	0.3	0.2	2.4E-10	97	0	2
4.5a	0.9	0.9	1.4	3.2	62.	390.	0.2	0.2	1.9E-10	97	0	2
4.5b	0.4	0.4	0.7	1.6	61.	230.	0.1	< 0.1	1.0E-10	97	0	2
4.5c	0.1	0.1	0.2	0.4	60.	100.	< 0.1	< 0.1	2.6E-11	97	0	2
4.5d	< 0.1	< 0.1	< 0.1	< 0.1	60.	66.	< 0.1	< 0.1	3.7E-12	97	0	2
TLD8	0.5	0.5	0.7	1.7	61.	240.	0.1	0.1	1.1E-10	97	0	2
5D	< 0.1	< 0.1	< 0.1	< 0.1	60.	65.	< 0.1	< 0.1	2.8E-12	97	0	2
5C	< 0.1	< 0.1	0.1	0.3	60.	95.	< 0.1	< 0.1	2.1E-11	97	0	2
5B	0.4	0.4	0.6	1.3	61.	200.	< 0.1	< 0.1	8.4E-11	97	0	2
5A	0.7	0.7	1.2	2.7	62.	350.	0.2	0.2	1.8E-10	97	0	2
5CL	0.9	0.9	1.4	3.3	62.	410.	0.2	0.2	2.1E-10	97	0	2
5a	0.7	0.7	1.2	2.7	62.	350.	0.2	0.2	1.8E-10	97	0	2
5b	0.4	0.4	0.6	1.3	61.	200.	< 0.1	< 0.1	8.3E-11	97	0	2
5c	< 0.1	< 0.1	0.1	0.3	60.	95.	< 0.1	< 0.1	2.1E-11	97	0	2
5d	< 0.1	< 0.1	< 0.1	< 0.1	60.	65.	< 0.1	< 0.1	2.9E-12	97	0	2
6E	< 0.1	< 0.1	< 0.1	< 0.1	60.	61.	< 0.1	< 0.1	1.0E-12	99	0	0
6D	< 0.1	< 0.1	< 0.1	< 0.1	60.	78.	< 0.1	< 0.1	1.3E-11	99	0	0
6C	0.4	0.4	0.6	0.7	61.	240.	< 0.1	0.1	1.3E-10	99	0	0
6B	1.7	1.7	2.7	3.3	66.	870.	0.4	0.5	5.8E-10	99	0	0
6A	3.7	3.7	6.1	7.4	73.	1900.	0.9	1.1	1.3E-09	99	0	0
6CL	4.5	4.5	7.4	8.9	76.	2300.	1.1	1.3	1.5E-09	99	0	0
6a	3.7	3.7	6.1	7.4	73.	1900.	0.9	1.1	1.3E-09	99	0	0
6b	1.7	1.7	2.7	3.3	66.	890.	0.4	0.5	5.8E-10	99	0	0
6c	0.4	0.4	0.6	0.7	61.	240.	< 0.1	0.1	1.3E-10	99	0	0
6d	< 0.1	< 0.1	< 0.1	< 0.1	60.	83.	< 0.1	< 0.1	1.5E-11	99	0	0
6e	< 0.1	< 0.1	< 0.1	< 0.1	60.	61.	< 0.1	< 0.1	1.0E-12	99	0	0
7E	< 0.1	< 0.1	< 0.1	< 0.1	60.	61.	< 0.1	< 0.1	1.0E-12	99	0	0
7D	< 0.1	< 0.1	< 0.1	< 0.1	60.	78.	< 0.1	< 0.1	1.8E-11	99	0	0
7C	0.3	0.3	0.5	0.5	62.	230.	< 0.1	0.1	1.7E-10	99	0	0

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TABLE E2. j

OFFSITE SURVEY AND SAMPLING DATA (T = 03:15) (10:15)
(continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
7B	1.3	1.3	2.2	2.5	68.	890.	0.3	0.5	8.3E-10	99	0	0
7A	3.2	3.2	5.3	6.0	80.	2000.	0.8	1.2	1.9E-09	99	0	0
7CL	3.9	3.9	6.5	7.4	85.	2500.	1.0	1.5	2.5E-09	99	0	0
7a	3.2	3.2	5.3	6.0	80.	2000.	0.8	1.2	1.9E-09	99	0	0
7b	1.3	1.3	2.2	2.5	68.	890.	0.3	0.5	8.3E-10	99	0	0
7c	0.3	0.3	0.5	0.5	62.	230.	< 0.1	0.1	1.7E-10	99	0	0
7d	< 0.1	< 0.1	< 0.1	< 0.1	60.	78.	< 0.1	< 0.1	1.8E-11	99	0	0
7e	< 0.1	< 0.1	< 0.1	< 0.1	60.	61.	< 0.1	< 0.1	1.0E-12	99	0	0
EMSCHOOL	1.2	1.2	1.9	2.0	73.	970.	0.3	0.6	1.3E-09	99	0	0
8D	< 0.1	< 0.1	< 0.1	< 0.1	60.	74.	< 0.1	< 0.1	1.9E-11	99	0	0
8C	0.2	0.2	0.3	0.3	62.	200.	< 0.1	< 0.1	2.1E-10	99	0	0
8B	0.9	0.9	1.6	1.6	71.	800.	0.2	0.5	1.1E-09	99	0	0
8A	2.4	2.4	4.0	4.1	87.	1900.	0.6	1.2	2.6E-09	99	0	0
8CL	3.0	3.0	5.0	5.1	95.	2500.	0.8	1.6	3.5E-09	99	0	0
BLEARZAR	2.3	2.3	3.8	3.9	87.	1900.	0.6	1.2	2.6E-09	99	0	0
9D	< 0.1	< 0.1	< 0.1	< 0.1	60.	62.	< 0.1	< 0.1	2.4E-12	100	0	0
9C	< 0.1	< 0.1	< 0.1	< 0.1	60.	77.	< 0.1	< 0.1	2.6E-11	100	0	0
9B	0.1	0.1	0.2	0.2	62.	160.	< 0.1	< 0.1	1.5E-10	100	0	0
9A	0.3	0.3	0.5	0.5	64.	320.	< 0.1	0.2	4.0E-10	100	0	0
9CL	0.4	0.4	0.6	0.6	65.	390.	< 0.1	0.2	5.1E-10	100	0	0
OTHERS	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	0.0E+00	0	0	0

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TABLE E2. j

OFFSITE SURVEY AND SAMPLING DATA (T = 03:15) (10:15)
(continued)

FOR CONTROLLER/OBSERVER USE ONLY
(Not to be Provided to Players):

Current Stability Class E

Primary Release Pt: PS Flow: 2.1E+0 m3/sec
Release Concentration-GIP (uCi/cc): 1.0E-05 6.9E-09 5.0E-09
(Flow & Release Integrated & Averaged over previous 15 minutes)
Whole Body Dose Projection: < 0.1 mRem/hr
Thyroid Dose Projection: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind
Maximums and Projections do not include plant shine or ground shine

Maximum Plume Whole-Body Dose Rate: 3.1 mRem/hr
at a distance of: 3.98 miles downwind

Maximum Thyroid Dose Commitment: 5.9 mRem/hr
at a distance of: 6.03 miles downwind

TABLE E2. k

OFFSITE SURVEY AND SAMPLING DATA (T = 03:30) (10:30)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPH	filter-absorb CPH	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPH							
.5D	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	2.4E-14	0	0	99
.5C	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	6.8E-14	0	0	99
.5B	< 0.1	0.1	0.1	1.7	60.	60.	< 0.1	< 0.1	1.3E-13	0	0	99
.5A	0.1	0.1	0.1	1.8	60.	60.	< 0.1	< 0.1	1.3E-13	0	0	99
.5CL	0.1	0.1	0.1	1.8	60.	60.	< 0.1	< 0.1	1.4E-13	0	0	99
.5a	0.1	0.1	0.1	1.8	60.	60.	< 0.1	< 0.1	1.3E-13	0	0	99
.5b	< 0.1	0.1	0.1	1.7	60.	60.	< 0.1	< 0.1	1.3E-13	0	0	99
.5c	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	6.8E-14	0	0	99
.5d	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	2.5E-14	0	0	99
1C	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	2.4E-14	0	0	99
1B	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	5.7E-14	0	0	99
1A	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	6.5E-14	0	0	99
1CL	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	6.7E-14	0	0	99
1a	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	6.5E-14	0	0	99
1b	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	5.7E-14	0	0	99
1c	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	2.4E-14	0	0	99
1.2C	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	1.8E-14	0	0	99
1.2B	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	4.4E-14	0	0	99
1.2A	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	5.3E-14	0	0	99
1.2CL	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	5.5E-14	0	0	99
1.2a	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	5.3E-14	0	0	99
1.2b	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	4.5E-14	0	0	99
1.2c	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	1.8E-14	0	0	99
1.5B	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	3.2E-14	0	0	99
1.5A	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	4.1E-14	0	0	99
1.5CL	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	4.4E-14	0	0	99
1.5a	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	4.1E-14	0	0	99
1.5b	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	3.2E-14	0	0	99
TLD51	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	6.7E-15	0	0	99
2B	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	2.0E-14	0	0	99
2A	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	2.9E-14	0	0	99

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TABLE E2. k

OFFSITE SURVEY AND SAMPLING DATA (T = 03:30) (10:30)
(continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
2CL	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	3.2E-14	0	0	99
2a	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	2.9E-14	0	0	99
2b	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	2.0E-14	0	0	99
2.5B	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.7E-14	0	0	99
2.5A	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	2.7E-14	0	0	99
2.5CL	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	2.9E-14	0	0	99
2.5a	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	2.7E-14	0	0	99
2.5b	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.7E-14	0	0	99
3B	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.3E-14	0	0	99
3A	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	2.2E-14	0	0	99
3CL	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	2.4E-14	0	0	99
3a	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	2.2E-14	0	0	99
3b	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.3E-14	0	0	99
4A	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	5.6E-15	0	0	99
4CL	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	7.1E-15	0	0	99
4a	< 0.1	< 0.1	< 0.1	1.4	60.	60.	< 0.1	< 0.1	2.4E-14	0	0	99
4b	< 0.1	< 0.1	< 0.1	1.5	60.	60.	< 0.1	< 0.1	2.7E-14	0	0	99
4c	< 0.1	< 0.1	< 0.1	1.2	60.	60.	< 0.1	< 0.1	2.2E-14	0	0	99
4d	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	1.1E-14	0	0	99
4.5B	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	1.1E-14	0	0	99
4.5A	< 0.1	< 0.1	< 0.1	1.2	60.	60.	< 0.1	< 0.1	2.2E-14	0	0	99
4.5CL	< 0.1	< 0.1	< 0.1	1.4	60.	60.	< 0.1	< 0.1	2.5E-14	0	0	99
4.5a	< 0.1	< 0.1	< 0.1	1.2	60.	60.	< 0.1	< 0.1	2.2E-14	0	0	99
4.5b	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	1.1E-14	0	0	99
TLD8	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	1.2E-14	0	0	99
5B	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	9.2E-15	0	0	99
5A	< 0.1	< 0.1	< 0.1	1.1	60.	60.	< 0.1	< 0.1	2.0E-14	0	0	99
5CL	< 0.1	< 0.1	< 0.1	1.3	60.	60.	< 0.1	< 0.1	2.2E-14	0	0	99
5a	< 0.1	< 0.1	< 0.1	1.1	60.	60.	< 0.1	< 0.1	2.0E-14	0	0	99
5b	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	9.2E-15	0	0	99

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TABLE E2. k

OFFSITE SURVEY AND SAMPLING DATA (T = 03:30) (10:30)
(continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
6D	< 0.1	< 0.1	< 0.1	< 0.1	60.	63.	< 0.1	< 0.1	1.3E-12	97	0	2
6C	< 0.1	< 0.1	< 0.1	0.2	60.	84.	< 0.1	< 0.1	1.3E-11	97	0	2
6B	0.3	0.3	0.4	1.0	61.	170.	< 0.1	< 0.1	5.9E-11	97	0	2
6A	0.6	0.6	1.0	2.2	61.	300.	0.1	0.1	1.3E-10	97	0	2
6CL	0.7	0.7	1.1	2.6	62.	360.	0.2	0.2	1.7E-10	97	0	2
6a	0.6	0.6	1.0	2.2	61.	300.	0.1	0.1	1.3E-10	97	0	2
6b	0.3	0.3	0.4	1.0	61.	170.	< 0.1	< 0.1	5.9E-11	97	0	2
6c	< 0.1	< 0.1	< 0.1	0.2	60.	84.	< 0.1	< 0.1	1.3E-11	97	0	2
6d	< 0.1	< 0.1	< 0.1	< 0.1	60.	63.	< 0.1	< 0.1	1.7E-12	97	0	2
7D	< 0.1	< 0.1	< 0.1	< 0.1	60.	74.	< 0.1	< 0.1	9.6E-12	99	0	0
7C	0.2	0.2	0.4	0.5	61.	190.	< 0.1	< 0.1	8.8E-11	99	0	0
7B	1.2	1.2	2.0	2.4	64.	710.	0.3	0.4	4.3E-10	99	0	0
7A	2.9	2.9	4.8	5.8	70.	1600.	0.7	0.9	1.0E-09	99	0	0
7CL	3.6	3.6	5.9	7.2	73.	2000.	0.9	1.1	1.3E-09	99	0	0
7a	2.9	2.9	4.8	5.8	70.	1600.	0.7	0.9	1.0E-09	99	0	0
7b	1.2	1.2	2.0	2.4	64.	710.	0.3	0.4	4.3E-10	99	0	0
7c	0.2	0.2	0.4	0.5	61.	190.	< 0.1	< 0.1	8.9E-11	99	0	0
7d	< 0.1	< 0.1	< 0.1	< 0.1	60.	74.	< 0.1	< 0.1	9.6E-12	99	0	0
EMSCHOOL	1.2	1.2	2.0	2.3	68.	870.	0.3	0.5	7.8E-10	99	0	0
8D	< 0.1	< 0.1	< 0.1	< 0.1	60.	72.	< 0.1	< 0.1	1.2E-11	99	0	0
8C	0.2	0.2	0.3	0.4	61.	190.	< 0.1	< 0.1	1.2E-10	99	0	0
8B	1.0	1.0	1.7	1.9	67.	720.	0.3	0.4	6.4E-10	99	0	0
8A	2.5	2.5	4.2	4.8	77.	1700.	0.6	1.0	1.7E-09	99	0	0
8CL	3.2	3.2	5.3	6.0	81.	2200.	0.8	1.3	2.1E-09	99	0	0
BLEARZAR	2.4	2.4	4.1	4.6	76.	1700.	0.6	1.0	1.5E-09	99	0	0
9D	< 0.1	< 0.1	< 0.1	< 0.1	60.	69.	< 0.1	< 0.1	1.3E-11	99	0	0
9C	0.1	0.1	0.2	0.2	62.	170.	< 0.1	< 0.1	1.5E-10	99	0	0
9B	0.7	0.7	1.2	1.3	68.	670.	0.2	0.4	8.4E-10	99	0	0
9A	2.0	2.0	3.3	3.3	83.	1700.	0.5	1.1	2.2E-09	99	0	0
9CL	2.5	2.5	4.2	4.3	90.	2200.	0.6	1.4	2.9E-09	99	0	0

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TABLE E2. k

OFFSITE SURVEY AND SAMPLING DATA (T = 03:30) (10:30)
(continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc: uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
10C	< 0.1	< 0.1	< 0.1	< 0.1	60.	73.	< 0.1	< 0.1	2.0E-11	100	0	0
10B	< 0.1	< 0.1	0.1	0.1	61.	140.	< 0.1	< 0.1	1.2E-10	100	0	0
10A	0.2	0.2	0.4	0.4	63.	290.	< 0.1	0.1	3.3E-10	100	0	0
10CL	0.3	0.3	0.5	0.5	65.	360.	< 0.1	0.2	4.5E-10	100	0	0
OTHERS	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	0.0E+00	0	0	0

FOR CONTROLLER/OBSERVER USE ONLY
(Not to be Provided to Players):

Current Stability Class E

Primary Release Pt: PS Flow: 2.1E+0 m3/sec
Release Concentration-GIP (uCi/cc): 1.1E-05 5.4E-09 3.1E-09
(Flow & Release Integrated & Averaged over previous 15 minutes)
Whole Body Dose Projection: < 0.1 mRem/hr
Thyroid Dose Projection: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind
Maximums and Projections do not include plant shine or ground shine

Maximum Plume Whole-Body Dose Rate: 2.2 mRem/hr
at a distance of: 4.97 miles downwind

Maximum Thyroid Dose Commitment: 4.7 mRem/hr
at a distance of: 6.84 miles downwind

TABLE E2. 1

OFFSITE SURVEY AND SAMPLING DATA (T = 03:45) (10:45)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
.5D	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.9E-14	0	0	99
.5C	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	5.4E-14	0	0	99
.5B	< 0.1	0.1	< 0.1	1.6	60.	60.	< 0.1	< 0.1	1.0E-13	0	0	99
.5A	< 0.1	0.1	< 0.1	1.7	60.	60.	< 0.1	< 0.1	1.1E-13	0	0	99
.5CL	0.1	0.1	0.1	1.7	60.	60.	< 0.1	< 0.1	1.1E-13	0	0	99
.5a	< 0.1	0.1	< 0.1	1.7	60.	60.	< 0.1	< 0.1	1.1E-13	0	0	99
.5b	< 0.1	0.1	< 0.1	1.6	60.	60.	< 0.1	< 0.1	1.0E-13	0	0	99
.5c	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	5.4E-14	0	0	99
.5d	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	2.0E-14	0	0	99
1C	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.9E-14	0	0	99
1B	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	4.6E-14	0	0	99
1A	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	5.1E-14	0	0	99
1CL	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	5.4E-14	0	0	99
1a	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	5.1E-14	0	0	99
1b	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	4.6E-14	0	0	99
1c	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.9E-14	0	0	99
1.2C	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	1.4E-14	0	0	99
1.2B	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	3.5E-14	0	0	99
1.2A	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	4.2E-14	0	0	99
1.2CL	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	4.4E-14	0	0	99
1.2a	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	4.2E-14	0	0	99
1.2b	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	3.6E-14	0	0	99
1.2c	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	1.4E-14	0	0	99
1.5B	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	2.5E-14	0	0	99
1.5A	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	3.3E-14	0	0	99
1.5CL	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	3.5E-14	0	0	99
1.5a	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	3.3E-14	0	0	99
1.5b	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	2.5E-14	0	0	99
2B	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.6E-14	0	0	99
2A	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	2.3E-14	0	0	99
2CL	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	2.5E-14	0	0	99

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TABLE E2. 1

OFFSITE SURVEY AND SAMPLING DATA (T = 03:45) (10:45)
(continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPM							
2a	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	2.3E-14	0	0	99
2b	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.6E-14	0	0	99
2.5B	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.4E-14	0	0	99
2.5A	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	2.1E-14	0	0	99
2.5CL	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	2.4E-14	0	0	99
2.5a	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	2.1E-14	0	0	99
2.5b	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.4E-14	0	0	99
3B	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.0E-14	0	0	99
3A	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.7E-14	0	0	99
3CL	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	2.0E-14	0	0	99
3a	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.7E-14	0	0	99
3b	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.0E-14	0	0	99
4A	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.9E-15	0	0	99
4CL	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	5.1E-15	0	0	99
4a	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	1.7E-14	0	0	99
4b	< 0.1	< 0.1	< 0.1	1.0	60.	60.	< 0.1	< 0.1	1.8E-14	0	0	99
4c	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	1.5E-14	0	0	99
4d	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	7.7E-15	0	0	99
4.5B	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	7.9E-15	0	0	99
4.5A	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	1.5E-14	0	0	99
4.5CL	< 0.1	< 0.1	< 0.1	1.0	60.	60.	< 0.1	< 0.1	1.8E-14	0	0	99
4.5a	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	1.5E-14	0	0	99
4.5b	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	7.9E-15	0	0	99
TLD8	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	8.6E-15	0	0	99
5B	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	6.6E-15	0	0	99
5A	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	1.4E-14	0	0	99
5CL	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	1.7E-14	0	0	99
5a	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	1.4E-14	0	0	99
5b	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	6.6E-15	0	0	99
6B	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	6.5E-15	0	0	99

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TABLE E2. 1

OFFSITE SURVEY AND SAMPLING DATA (T = 03:45) (10:45)
(continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPM							
6A	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	1.4E-14	0	0	99
6CL	< 0.1	< 0.1	< 0.1	1.1	60.	60.	< 0.1	< 0.1	1.8E-14	0	0	99
6a	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	1.4E-14	0	0	99
6b	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	6.6E-15	0	0	99
7D	< 0.1	< 0.1	< 0.1	< 0.1	60.	62.	< 0.1	< 0.1	9.8E-13	96	0	3
7C	< 0.1	< 0.1	< 0.1	0.1	60.	78.	< 0.1	< 0.1	9.0E-12	96	0	3
7B	0.2	0.2	0.3	0.7	60.	150.	< 0.1	< 0.1	4.4E-11	96	0	3
7A	0.4	0.5	0.7	1.7	61.	270.	0.1	0.1	1.0E-10	96	0	3
7CL	0.5	0.5	0.9	2.1	61.	320.	0.1	0.1	1.3E-10	96	0	3
7a	0.4	0.5	0.7	1.7	61.	270.	0.1	0.1	1.0E-10	96	0	3
7b	0.2	0.2	0.3	0.7	60.	150.	< 0.1	< 0.1	4.4E-11	96	0	3
7c	< 0.1	< 0.1	< 0.1	0.2	60.	78.	< 0.1	< 0.1	9.0E-12	96	0	3
7d	< 0.1	< 0.1	< 0.1	< 0.1	60.	62.	< 0.1	< 0.1	9.7E-13	96	0	3
EMSCHOOL	1.1	1.1	1.8	2.2	64.	690.	0.3	0.4	4.1E-10	99	0	0
8D	< 0.1	< 0.1	< 0.1	< 0.1	60.	69.	< 0.1	< 0.1	6.0E-12	99	0	0
8C	0.2	0.2	0.3	0.4	61.	160.	< 0.1	< 0.1	6.3E-11	99	0	0
8B	0.9	0.9	1.5	1.8	63.	570.	0.2	0.3	3.4E-10	99	0	0
8A	2.3	2.3	3.8	4.6	68.	1400.	0.6	0.8	8.4E-10	99	0	0
8CL	3.0	3.0	4.9	5.9	71.	1700.	0.7	1.0	1.1E-09	99	0	0
BLEARZAR	2.2	2.2	3.7	4.5	68.	1300.	0.6	0.7	8.2E-10	99	0	0
9D	< 0.1	< 0.1	< 0.1	< 0.1	60.	68.	< 0.1	< 0.1	7.7E-12	99	0	0
9C	0.1	0.1	0.2	0.3	61.	150.	< 0.1	< 0.1	8.9E-11	99	0	0
9B	0.8	0.8	1.3	1.5	65.	600.	0.2	0.3	5.1E-10	99	0	0
9A	2.1	2.1	3.5	4.0	73.	1500.	0.5	0.9	1.3E-09	99	0	0
9CL	2.7	2.7	4.5	5.2	77.	1900.	0.7	1.1	1.7E-09	99	0	0
10C	0.1	0.1	0.2	0.2	61.	160.	< 0.1	< 0.1	1.3E-10	99	0	0
10B	0.7	0.7	1.1	1.2	68.	640.	0.2	0.4	8.0E-10	99	0	0
10A	1.9	1.9	3.1	3.2	83.	1700.	0.5	1.1	2.2E-09	99	0	0
10CL	2.5	2.5	4.1	4.2	90.	2200.	0.6	1.4	3.0E-09	99	0	0
OTHERS	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	0.0E+00	0	0	0

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TABLE E2. 1

OFFSITE SURVEY AND SAMPLING DATA (T = 03:45) (10:45)
(continued)

FOR CONTROLLER/OBSERVER USE ONLY
(Not to be Provided to Players):

Current Stability Class E

Primary Release Pt: PS Flow: 2.1E+0 m3/sec
Release Concentration-GIP (uCi/cc): 1.1E-05 4.2E-09 2.1E-09
(Flow & Release Integrated & Averaged over previous 15 minutes)
Whole Body Dose Projection: < 0.1 mRem/hr
Thyroid Dose Projection: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind
Maximums and Projections do not include plant shine or ground shine

Maximum Plume Whole-Body Dose Rate: 1.6 mRem/hr
at a distance of: 6.03 miles downwind

Maximum Thyroid Dose Commitment: 3.9 mRem/hr
at a distance of: 8.08 miles downwind

TABLE E2. m

OFFSITE SURVEY AND SAMPLING DATA (T = 04:00) (11:00)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPH	filter-absorb CPH	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPH							
.5D	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.5E-14	0	0	99
.5C	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	4.3E-14	0	0	99
.5B	< 0.1	0.1	< 0.1	1.5	60.	60.	< 0.1	< 0.1	8.1E-14	0	0	99
.5A	< 0.1	0.1	< 0.1	1.6	60.	60.	< 0.1	< 0.1	8.5E-14	0	0	99
.5CL	< 0.1	0.1	< 0.1	1.6	60.	60.	< 0.1	< 0.1	8.7E-14	0	0	99
.5a	< 0.1	0.1	< 0.1	1.6	60.	60.	< 0.1	< 0.1	8.5E-14	0	0	99
.5b	< 0.1	0.1	< 0.1	1.5	60.	60.	< 0.1	< 0.1	8.1E-14	0	0	99
.5c	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	4.3E-14	0	0	99
.5d	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.6E-14	0	0	99
1C	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.5E-14	0	0	99
1B	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	3.7E-14	0	0	99
1A	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	4.1E-14	0	0	99
1CL	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	4.3E-14	0	0	99
1a	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	4.1E-14	0	0	99
1b	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	3.7E-14	0	0	99
1c	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.5E-14	0	0	99
1.2C	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	1.1E-14	0	0	99
1.2B	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	2.8E-14	0	0	99
1.2A	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	3.4E-14	0	0	99
1.2CL	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	3.5E-14	0	0	99
1.2a	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	3.4E-14	0	0	99
1.2b	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	2.8E-14	0	0	99
1.2c	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	1.1E-14	0	0	99
1.5B	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	2.0E-14	0	0	99
1.5A	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	2.6E-14	0	0	99
1.5CL	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	2.8E-14	0	0	99
1.5a	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	2.6E-14	0	0	99
1.5b	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	2.0E-14	0	0	99
2B	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	1.3E-14	0	0	99
2A	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.9E-14	0	0	99
2CL	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	2.0E-14	0	0	99

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TABLE E2. m

OFFSITE SURVEY AND SAMPLING DATA (T = 04:00) (11:00)
(continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPM							
2a	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.9E-14	0	0	99
2b	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	1.3E-14	0	0	99
2.5B	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.1E-14	0	0	99
2.5A	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.7E-14	0	0	99
2.5CL	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.8E-14	0	0	99
2.5a	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.7E-14	0	0	99
2.5b	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.1E-14	0	0	99
3B	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	8.0E-15	0	0	99
3A	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.4E-14	0	0	99
3CL	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.6E-14	0	0	99
3a	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.4E-14	0	0	99
3b	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	8.0E-15	0	0	99
4CL	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.0E-15	0	0	99
4a	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	1.3E-14	0	0	99
4b	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	1.4E-14	0	0	99
4c	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	1.2E-14	0	0	99
4d	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	5.9E-15	0	0	99
4.5B	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	6.1E-15	0	0	99
4.5A	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	1.2E-14	0	0	99
4.5CL	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	1.4E-14	0	0	99
4.5a	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	1.2E-14	0	0	99
4.5b	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	6.1E-15	0	0	99
TLD8	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	6.6E-15	0	0	99
5B	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	5.1E-15	0	0	99
5A	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.1E-14	0	0	99
5CL	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	1.3E-14	0	0	99
5a	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.1E-14	0	0	99
5b	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	5.1E-15	0	0	99
6B	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	4.7E-15	0	0	99
6A	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	1.0E-14	0	0	99

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TABLE E2. m

OFFSITE SURVEY AND SAMPLING DATA (T = 04:00) (11:00)
(continued)

FIELD MONITOR POINT	MONITOR READINGS CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	AIR SAMPLES (10 CF) bare absorb CPH	AIR SAMPLES (10 CF) filter-absorb CPH	15-min RAD DATA change in SRD mR	15-min RAD DATA contam cpm/100cm2	*CONTROLLER INFO* I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
6CL	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	1.3E-14	0	0	99
6a	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	1.0E-14	0	0	99
6b	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	4.7E-15	0	0	99
7B	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	4.8E-15	0	0	99
7A	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	1.2E-14	0	0	99
7CL	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	1.4E-14	0	0	99
7a	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	1.2E-14	0	0	99
7b	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	4.8E-15	0	0	99
EMSCHOOL	0.2	0.2	0.3	0.7	60.	140.	< 0.1	< 0.1	4.1E-11	96	0	3
8D	< 0.1	< 0.1	< 0.1	< 0.1	60.	61.	< 0.1	< 0.1	6.2E-13	96	0	3
8C	< 0.1	< 0.1	< 0.1	0.1	60.	73.	< 0.1	< 0.1	6.4E-12	96	0	3
8B	0.1	0.1	0.2	0.6	60.	130.	< 0.1	< 0.1	3.4E-11	96	0	3
8A	0.4	0.4	0.6	1.4	61.	240.	< 0.1	0.1	8.5E-11	96	0	3
8CL	0.4	0.4	0.7	1.8	61.	280.	0.1	0.1	1.1E-10	96	0	3
BLEARZAR	0.3	0.4	0.6	1.4	61.	220.	< 0.1	< 0.1	8.2E-11	96	0	3
9D	< 0.1	< 0.1	< 0.1	< 0.1	60.	66.	< 0.1	< 0.1	4.1E-12	99	0	0
9C	0.1	0.1	0.2	0.3	60.	130.	< 0.1	< 0.1	4.7E-11	99	0	0
9B	0.7	0.7	1.2	1.6	63.	480.	0.2	0.2	2.5E-10	99	0	0
9A	1.9	2.0	3.2	4.4	67.	1200.	0.5	0.6	6.9E-10	99	0	0
9CL	2.5	2.5	4.1	5.6	69.	1500.	0.6	0.8	9.0E-10	99	0	0
10C	0.2	0.2	0.3	0.4	62.	230.	< 0.1	0.1	2.0E-10	99	0	0
10B	1.3	1.3	2.2	2.3	72.	1100.	0.3	0.6	1.2E-09	99	0	0
10A	3.6	3.6	6.0	6.4	94.	2900.	0.9	1.8	3.4E-09	99	0	0
10CL	4.6	4.6	7.7	8.2	110.	3800.	1.2	2.4	4.5E-09	99	0	0
OTHERS	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	0.0E+00	0	0	0

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TABLE E2. m

OFFSITE SURVEY AND SAMPLING DATA (T = 04:00) (11:00)
(continued)

FOR CONTROLLER/OBSERVER USE ONLY
(Not to be Provided to Players):

Current Stability Class E

Primary Release Pt: PS Flow: 2.1E+0 m3/sec
Release Concentration-GIP (uCi/cc): 1.2E-05 3.4E-09 1.7E-09
(Flow & Release Integrated & Averaged over previous 15 minutes)
Whole Body Dose Projection: < 0.1 mRem/hr
Thyroid Dose Projection: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind
Maximums and Projections do not include plant shine or ground shine

Maximum Plume Whole-Body Dose Rate: 1.3 mRem/hr
at a distance of: 6.84 miles downwind

Maximum Thyroid Dose Commitment: 3.3 mRem/hr
at a distance of: 8.70 miles downwind

TABLE E2. n

OFFSITE SURVEY AND SAMPLING DATA (T = 04:15) (11:15)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
.5D	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.2E-14	1	0	98
.5C	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	3.5E-14	1	0	98
.5B	< 0.1	0.1	< 0.1	1.4	60.	60.	< 0.1	< 0.1	6.5E-14	1	0	98
.5A	< 0.1	0.1	< 0.1	1.5	60.	60.	< 0.1	< 0.1	6.9E-14	1	0	98
.5CL	< 0.1	0.1	< 0.1	1.5	60.	60.	< 0.1	< 0.1	7.0E-14	1	0	98
.5a	< 0.1	0.1	< 0.1	1.5	60.	60.	< 0.1	< 0.1	6.9E-14	1	0	98
.5b	< 0.1	0.1	< 0.1	1.4	60.	60.	< 0.1	< 0.1	6.5E-14	1	0	98
.5c	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	3.5E-14	1	0	98
.5d	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.3E-14	1	0	98
1C	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.2E-14	1	0	98
1B	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	2.9E-14	1	0	98
1A	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	3.3E-14	1	0	98
1CL	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	3.4E-14	1	0	98
1a	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	3.3E-14	1	0	98
1b	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	2.9E-14	1	0	98
1c	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.2E-14	1	0	98
1.2C	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	9.1E-15	1	0	98
1.2B	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	2.3E-14	1	0	98
1.2A	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	2.7E-14	1	0	98
1.2CL	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	2.8E-14	1	0	98
1.2a	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	2.7E-14	1	0	98
1.2b	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	2.3E-14	1	0	98
1.2c	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	9.0E-15	1	0	98
1.5B	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.6E-14	1	0	98
1.5A	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	2.1E-14	1	0	98
1.5CL	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	2.2E-14	1	0	98
1.5a	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	2.1E-14	1	0	98
1.5b	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.6E-14	1	0	98
2B	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	1.0E-14	1	0	98
2A	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.5E-14	1	0	98
2CL	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.6E-14	1	0	98

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TABLE E2. n

OFFSITE SURVEY AND SAMPLING DATA (T = 04:15) (11:15)
(continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPM							
2a	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.5E-14	1	0	98
2b	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	1.0E-14	1	0	98
2.5B	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	8.6E-15	0	0	99
2.5A	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.4E-14	0	0	99
2.5CL	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.6E-14	0	0	99
2.5a	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.4E-14	0	0	99
2.5b	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	8.8E-15	0	0	99
3B	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	6.4E-15	0	0	99
3A	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.1E-14	0	0	99
3CL	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.2E-14	0	0	99
3a	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.1E-14	0	0	99
3b	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	6.5E-15	0	0	99
4a	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.0E-14	0	0	99
4b	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.1E-14	0	0	99
4c	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	9.3E-15	0	0	99
4d	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.7E-15	0	0	99
4.5B	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.8E-15	0	0	99
4.5A	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	9.5E-15	0	0	99
4.5CL	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.1E-14	0	0	99
4.5a	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	9.5E-15	0	0	99
4.5b	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.8E-15	0	0	99
TLD8	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	5.2E-15	0	0	99
5B	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.0E-15	0	0	99
5A	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	8.3E-15	0	0	99
5CL	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	9.9E-15	0	0	99
5a	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	8.3E-15	0	0	99
5b	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.0E-15	0	0	99
6B	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.5E-15	0	0	99
6A	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	8.1E-15	0	0	99
6CL	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	9.8E-15	0	0	99

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TABLE E2. n

OFFSITE SURVEY AND SAMPLING DATA (T = 04:15) (11:15) (continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPM							
6a	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	8.1E-15	0	0	99
6b	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.5E-15	0	0	99
7B	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.4E-15	0	0	99
7A	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	8.2E-15	0	0	99
7CL	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	1.0E-14	0	0	99
7a	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	8.2E-15	0	0	99
7b	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.4E-15	0	0	99
EMSCHOOL	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	4.5E-15	0	0	99
8B	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.7E-15	0	0	99
8A	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	9.3E-15	0	0	99
8CL	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	1.2E-14	0	0	99
BLEARZAR	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	9.1E-15	0	0	99
9C	< 0.1	< 0.1	< 0.1	0.2	60.	70.	< 0.1	< 0.1	4.7E-12	91	0	8
9B	0.1	0.1	0.2	0.9	60.	120.	< 0.1	< 0.1	2.7E-11	91	0	8
9A	0.3	0.3	0.5	2.3	61.	210.	< 0.1	< 0.1	7.1E-11	91	0	8
9CL	0.4	0.4	0.6	3.0	61.	250.	< 0.1	0.1	9.1E-11	91	0	8
10C	0.3	0.3	0.5	0.6	62.	290.	< 0.1	0.1	2.3E-10	99	0	0
10B	1.9	1.9	3.1	3.4	74.	1400.	0.5	0.8	1.4E-09	99	0	0
10A	5.4	5.4	8.9	9.9	100.	3800.	1.3	2.3	4.0E-09	99	0	0
10CL	6.6	6.6	11.	12.	110.	5000.	1.6	3.0	5.2E-09	99	0	0
OTHERS	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	0.0E+00	0	0	0

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TABLE E2. n

OFFSITE SURVEY AND SAMPLING DATA (T = 04:15) (11:15)
(continued)

FOR CONTROLLER/OBSERVER USE ONLY
(Not to be Provided to Players):

Current Stability Class E

Primary Release Pt: PS Flow: 2.1E+0 m3/sec
Release Concentration-GIP (uCi/cc): 1.3E-05 2.7E-09 1.4E-09
(Flow & Release Integrated & Averaged over previous 15 minutes)
Whole Body Dose Projection: < 0.1 mRem/hr
Thyroid Dose Projection: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind
Maximums and Projections do not include plant shine or ground shine

Maximum Plume Whole-Body Dose Rate: 1.0 mRem/hr
at a distance of: 8.08 miles downwind

Maximum Thyroid Dose Commitment: 2.0 mRem/hr
at a distance of: 8.70 miles downwind

TABLE E2. o

OFFSITE SURVEY AND SAMPLING DATA (T = 04:30) (11:30)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPM							
.5D	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.0E-14	1	0	98
.5C	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	2.8E-14	1	0	98
.5B	< 0.1	0.1	< 0.1	1.4	60.	60.	< 0.1	< 0.1	5.3E-14	1	0	98
.5A	< 0.1	0.1	< 0.1	1.4	60.	60.	< 0.1	< 0.1	5.6E-14	1	0	98
.5CL	< 0.1	0.1	< 0.1	1.5	60.	60.	< 0.1	< 0.1	5.6E-14	1	0	98
.5a	< 0.1	0.1	< 0.1	1.4	60.	60.	< 0.1	< 0.1	5.6E-14	1	0	98
.5b	< 0.1	0.1	< 0.1	1.4	60.	60.	< 0.1	< 0.1	5.3E-14	1	0	98
.5c	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	2.8E-14	1	0	98
.5d	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.0E-14	1	0	98
1C	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	9.9E-15	1	0	98
1B	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	2.4E-14	1	0	98
1A	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	2.7E-14	1	0	98
1CL	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	2.8E-14	1	0	98
1a	< 0.1	< 0.1	< 0.1	0.7	60.	60.	< 0.1	< 0.1	2.7E-14	1	0	98
1b	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	2.4E-14	1	0	98
1c	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.0E-14	1	0	98
1.2C	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	7.3E-15	1	0	98
1.2B	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.8E-14	1	0	98
1.2A	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	2.2E-14	1	0	98
1.2CL	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	2.3E-14	1	0	98
1.2a	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	2.2E-14	1	0	98
1.2b	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.9E-14	1	0	98
1.2c	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	7.3E-15	1	0	98
1.5B	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.3E-14	1	0	98
1.5A	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.7E-14	1	0	98
1.5CL	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.8E-14	1	0	98
1.5a	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.7E-14	1	0	98
1.5b	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.3E-14	1	0	98
2B	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	8.4E-15	1	0	98
2A	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.2E-14	1	0	98
2CL	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.3E-14	1	0	98

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TABLE E2. o

OFFSITE SURVEY AND SAMPLING DATA (T = 04:30) (11:30) (continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
2a	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.2E-14	1	0	98
2b	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	8.4E-15	1	0	98
2.5B	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	6.9E-15	0	0	99
2.5A	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.1E-14	0	0	99
2.5CL	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.2E-14	0	0	99
2.5a	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.1E-14	0	0	99
2.5b	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	6.9E-15	1	0	98
3A	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	8.8E-15	1	0	99
3CL	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	9.9E-15	0	0	99
3a	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	8.8E-15	0	0	99
4a	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	8.3E-15	0	0	99
4b	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	9.0E-15	0	0	99
4c	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	7.5E-15	0	0	99
4.5A	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	7.5E-15	0	0	99
4.5CL	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	8.8E-15	0	0	99
4.5a	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	7.5E-15	0	0	99
TLD8	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.1E-15	0	0	99
5A	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	6.6E-15	0	0	99
5CL	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	7.8E-15	0	0	99
5a	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	6.5E-15	0	0	99
6A	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	6.4E-15	0	0	99
6CL	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	7.6E-15	0	0	99
6a	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	6.4E-15	0	0	99
7A	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	6.4E-15	0	0	99
7CL	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	7.9E-15	0	0	99
7a	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	6.4E-15	0	0	99
EMSCHOOL	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.2E-15	0	0	99
8B	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.7E-15	0	0	99
8A	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	6.6E-15	0	0	99
8CL	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	8.5E-15	0	0	99

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TABLE E2. o

OFFSITE SURVEY AND SAMPLING DATA (T = 04:30) (11:30)
(continued)

FIELD MONITOR POINT	MONITOR READINGS: CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	AIR SAMPLES (10 CF): bare absorb CPM	AIR SAMPLES (10 CF): filter-absorb CPM	15-min RAD DATA: change in SRD mR	15-min RAD DATA: contam cpm/100cm2	*CONTROLLER INFO*: I-131 conc. uCi/cc	SRD percent dose contrib: Plm	Plt	Grd
					Air Sample Background is 60 CPM							
BLEARZAR	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	6.5E-15	0	0	99
9B	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	3.0E-15	0	0	99
9A	< 0.1	< 0.1	< 0.1	2.4	60.	60.	< 0.1	< 0.1	7.8E-15	0	0	99
9CL	< 0.1	< 0.1	< 0.1	3.0	60.	60.	< 0.1	< 0.1	1.0E-14	0	0	99
10C	0.3	0.3	0.5	0.6	62.	300.	< 0.1	0.1	2.3E-10	99	0	0
10B	1.9	1.9	3.2	3.8	74.	1500.	0.5	0.9	1.4E-09	99	0	0
10A	5.7	5.7	9.5	11.	100.	4000.	1.4	2.4	4.0E-09	99	0	0
10CL	6.9	6.9	11.	14.	110.	5200.	1.7	3.1	5.4E-09	99	0	0
OTHERS	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	0.0E+00	0	0	0

FOR CONTROLLER/OBSERVER USE ONLY
(Not to be Provided to Players):

Current Stability Class E

Primary Release Pt: PS Flow: 2.1E+0 m3/sec
Release Concentration-GIP (uCi/cc): 1.4E-05 2.2E-09 1.3E-09
(Flow & Release Integrated & Averaged over previous 15 minutes)
Whole Body Dose Projection: < 0.1 mRem/hr
Thyroid Dose Projection: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind
Maximums and Projections do not include plant shine or ground shine

Maximum Plume Whole-Body Dose Rate: 0.9 mRem/hr
at a distance of: 8.70 miles downwind

Maximum Thyroid Dose Commitment: 1.0 mRem/hr
at a distance of: 8.70 miles downwind

TABLE E2. p

OFFSITE SURVEY AND SAMPLING DATA (T = 05:00) (12:00)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPM							
.5D	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	6.7E-15	1	0	98
.5C	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	1.9E-14	1	0	98
.5B	< 0.1	< 0.1	< 0.1	1.2	60.	60.	< 0.1	< 0.1	3.5E-14	1	0	98
.5A	< 0.1	0.1	< 0.1	1.3	60.	60.	< 0.1	< 0.1	3.7E-14	1	0	98
.5CL	< 0.1	0.1	< 0.1	1.3	60.	60.	< 0.1	< 0.1	3.8E-14	1	0	98
.5a	< 0.1	0.1	< 0.1	1.3	60.	60.	< 0.1	< 0.1	3.7E-14	1	0	98
.5b	< 0.1	< 0.1	< 0.1	1.2	60.	60.	< 0.1	< 0.1	3.5E-14	1	0	98
.5c	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	1.9E-14	1	0	98
.5d	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	6.9E-15	1	0	98
1C	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	6.7E-15	1	0	98
1B	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.6E-14	1	0	98
1A	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	1.8E-14	1	0	98
1CL	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	1.9E-14	1	0	98
1a	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	1.8E-14	1	0	98
1b	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.6E-14	1	0	98
1c	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	6.7E-15	1	0	98
1.2C	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.9E-15	1	0	98
1.2B	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.2E-14	1	0	98
1.2A	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.5E-14	1	0	98
1.2CL	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.5E-14	1	0	98
1.2a	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.5E-14	1	0	98
1.2b	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.2E-14	1	0	98
1.2c	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.9E-15	1	0	98
1.5B	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	8.8E-15	1	0	98
1.5A	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.1E-14	1	0	98
1.5CL	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.2E-14	1	0	98
1.5a	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	1.2E-14	1	0	98
1.5b	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	8.8E-15	1	0	98
2B	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	5.6E-15	1	0	98
2A	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	8.1E-15	1	0	98
2CL	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	8.8E-15	1	0	98

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TABLE E2. p

OFFSITE SURVEY AND SAMPLING DATA (T = 05:00) (12:00)
(continued)

FIELD MONITOR POINT	MONITOR READINGS CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	AIR SAMPLES (10 CF) bare absorb CPM	AIR SAMPLES (10 CF) filter-absorb CPM	15-min RAD DATA change in SRD mR	15-min RAD DATA contam cpm/100cm2	*CONTROLLER INFO* I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPM							
2a	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	8.1E-15	1	0	98
2b	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	5.6E-15	1	0	98
2.5A	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	7.2E-15	1	0	98
2.5CL	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	7.9E-15	1	0	98
2.5a	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	7.2E-15	1	0	98
3A	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	5.7E-15	1	0	98
3CL	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	6.4E-15	1	0	98
3a	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	5.7E-15	1	0	98
4a	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	5.3E-15	0	0	99
4b	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	5.7E-15	0	0	99
4c	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.7E-15	0	0	99
4.5A	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.7E-15	0	0	99
4.5CL	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	5.6E-15	0	0	99
4.5a	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.7E-15	0	0	99
5A	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.2E-15	0	0	99
5CL	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	5.0E-15	0	0	99
5a	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.2E-15	0	0	99
6A	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.9E-15	0	0	99
6CL	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.9E-15	0	0	99
6a	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.9E-15	0	0	99
7A	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.9E-15	0	0	99
7CL	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	4.9E-15	0	0	99
7a	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.9E-15	0	0	99
8A	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	4.0E-15	0	0	99
8CL	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	5.0E-15	0	0	99
BLEARZAR	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.9E-15	0	0	99
9C	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.8E-16	0	0	99
9B	< 0.1	< 0.1	< 0.1	1.2	60.	60.	< 0.1	< 0.1	1.5E-15	0	0	99
9A	< 0.1	< 0.1	< 0.1	3.0	60.	60.	< 0.1	< 0.1	4.2E-15	0	0	99
9CL	< 0.1	0.1	< 0.1	3.9	60.	60.	< 0.1	< 0.1	5.4E-15	0	0	99

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TABLE E2. p

OFFSITE SURVEY AND SAMPLING DATA (T = 05:00) (12:00)
(continued)

FIELD MONITOR POINT	MONITOR READINGS CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	AIR SAMPLES (10 CF) bare absorb CPM	AIR SAMPLES (10 CF) filter-absorb CPM	15-min RAD DATA change in SRD mR	15-min RAD DATA contam cpm/100cm2	*CONTROLLER INFO* I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
10C	0.3	0.3	0.5	0.6	62.	300.	< 0.1	0.1	2.2E-10	99	0	0
10B	1.9	1.9	3.1	4.0	74.	1500.	0.5	0.9	1.4E-09	99	0	0
10A	5.5	5.5	9.2	12.	100.	4000.	1.4	2.4	3.9E-09	99	0	0
10CL	6.7	6.7	11.	14.	110.	5200.	1.7	3.1	5.3E-09	99	0	0
OTHERS	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	0.0E+00	0	0	0

FOR CONTROLLER/OBSERVER USE ONLY
(Not to be Provided to Players):

Current Stability Class E

Primary Release Pt: PS Flow: 2.1E+0 m3/sec
Release Concentration-GIP (uCi/cc): 1.5E-05 1.5E-09 1.2E-09
(Flow & Release Integrated & Averaged over previous 15 minutes)
Whole Body Dose Projection: < 0.1 mRem/hr
Thyroid Dose Projection: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind
Maximums and Projections do not include plant shine or ground shine

Maximum Plume Whole-Body Dose Rate: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind

Maximum Thyroid Dose Commitment: < 0.1 mRem/hr
at a distance of: 1.18 miles downwind

TABLE E2. q

OFFSITE SURVEY AND SAMPLING DATA (T = 05:30) (12:30)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
.5D	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.7E-15	1	0	98
.5C	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	1.3E-14	1	0	98
.5B	< 0.1	< 0.1	< 0.1	1.1	60.	60.	< 0.1	< 0.1	2.5E-14	1	0	98
.5A	< 0.1	< 0.1	< 0.1	1.1	60.	60.	< 0.1	< 0.1	2.6E-14	1	0	98
.5CL	< 0.1	< 0.1	< 0.1	1.2	60.	60.	< 0.1	< 0.1	2.6E-14	1	0	98
.5a	< 0.1	< 0.1	< 0.1	1.1	60.	60.	< 0.1	< 0.1	2.6E-14	1	0	98
.5b	< 0.1	< 0.1	< 0.1	1.1	60.	60.	< 0.1	< 0.1	2.5E-14	1	0	98
.5c	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	1.3E-14	1	0	98
.5d	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.8E-15	1	0	98
1C	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.6E-15	1	0	98
1B	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.1E-14	1	0	98
1A	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	1.3E-14	1	0	98
1CL	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	1.3E-14	1	0	98
1a	< 0.1	< 0.1	< 0.1	0.6	60.	60.	< 0.1	< 0.1	1.3E-14	1	0	98
1b	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.1E-14	1	0	98
1c	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.7E-15	1	0	98
1.2B	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	8.6E-15	1	0	98
1.2A	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.0E-14	1	0	98
1.2CL	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.1E-14	1	0	98
1.2a	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	1.0E-14	1	0	98
1.2b	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	8.7E-15	1	0	98
1.5B	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	6.1E-15	1	0	98
1.5A	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	8.0E-15	1	0	98
1.5CL	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	8.5E-15	1	0	98
1.5a	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	8.1E-15	1	0	98
1.5b	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	6.2E-15	1	0	98
2B	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.9E-15	1	0	98
2A	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	5.7E-15	1	0	98
2CL	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	6.2E-15	1	0	98
2a	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	5.7E-15	1	0	98
2b	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.9E-15	1	0	98

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TABLE E2. q

OFFSITE SURVEY AND SAMPLING DATA (T = 05:30) (12:30) (continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
2.5A	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.9E-15	1	0	98
2.5CL	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	5.4E-15	1	0	98
2.5a	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.9E-15	1	0	98
3A	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.9E-15	1	0	98
3CL	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.3E-15	1	0	98
3a	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.9E-15	1	0	98
4b	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.8E-15	1	0	98
4.5CL	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.6E-15	1	0	98
8CL	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.1E-15	0	0	99
9C	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	1.6E-16	0	0	99
9B	< 0.1	< 0.1	< 0.1	1.4	60.	60.	< 0.1	< 0.1	9.6E-16	0	0	99
9A	< 0.1	< 0.1	< 0.1	3.4	60.	60.	< 0.1	< 0.1	2.6E-15	0	0	99
9CL	< 0.1	0.1	< 0.1	4.4	60.	60.	< 0.1	< 0.1	3.2E-15	0	0	99
10C	0.3	0.3	0.5	0.7	62.	300.	< 0.1	0.1	2.2E-10	99	0	0
10B	1.8	1.8	3.0	4.1	74.	1500.	0.5	0.9	1.4E-09	99	0	0
10A	5.4	5.4	9.0	12.	100.	4000.	1.3	2.4	3.8E-09	99	0	0
10CL	6.5	6.6	11.	15.	110.	5200.	1.6	3.1	5.1E-09	99	0	0
OTHERS	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	0.0E+00	0	0	0

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TABLE E2. q

OFFSITE SURVEY AND SAMPLING DATA (T = 05:30) (12:30)
(continued)

FOR CONTROLLER/OBSERVER USE ONLY
(Not to be Provided to Players):

Current Stability Class E

Primary Release Pt: PS Flow: 2.1E+0 m3/sec
Release Concentration-GIP (uCi/cc): 1.6E-05 1.1E-09 1.1E-09
(Flow & Release Integrated & Averaged over previous 15 minutes)
Whole Body Dose Projection: < 0.1 mRem/hr
Thyroid Dose Projection: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind
Maximums and Projections do not include plant shine or ground shine

Maximum Plume Whole-Body Dose Rate: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind

Maximum Thyroid Dose Commitment: < 0.1 mRem/hr
at a distance of: 1.18 miles downwind

TABLE E2. r

OFFSITE SURVEY AND SAMPLING DATA (T = 06:00) (13:00)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
.5D	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.4E-15	1	0	98
.5C	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	9.6E-15	1	0	98
.5B	< 0.1	< 0.1	< 0.1	1.0	60.	60.	< 0.1	< 0.1	1.8E-14	1	0	98
.5A	< 0.1	< 0.1	< 0.1	1.1	60.	60.	< 0.1	< 0.1	1.9E-14	1	0	98
.5CL	< 0.1	< 0.1	< 0.1	1.1	60.	60.	< 0.1	< 0.1	1.9E-14	1	0	98
.5a	< 0.1	< 0.1	< 0.1	1.1	60.	60.	< 0.1	< 0.1	1.9E-14	1	0	98
.5b	< 0.1	< 0.1	< 0.1	1.0	60.	60.	< 0.1	< 0.1	1.8E-14	1	0	98
.5c	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	9.6E-15	1	0	98
.5d	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.5E-15	1	0	98
1C	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.4E-15	1	0	98
1B	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	8.2E-15	1	0	98
1A	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	9.2E-15	1	0	98
1CL	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	9.6E-15	1	0	98
1a	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	9.2E-15	1	0	98
1b	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	8.2E-15	1	0	98
1c	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.5E-15	1	0	98
1.2B	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	6.3E-15	1	0	98
1.2A	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	7.5E-15	1	0	98
1.2CL	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	7.9E-15	1	0	98
1.2a	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	7.5E-15	1	0	98
1.2b	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	6.4E-15	1	0	98
1.5B	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	4.5E-15	1	0	98
1.5A	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	5.8E-15	1	0	98
1.5CL	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	6.2E-15	1	0	98
1.5a	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	5.9E-15	1	0	98
1.5b	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	4.5E-15	1	0	98
2A	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.2E-15	1	0	98
2CL	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	4.5E-15	1	0	98
2a	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	4.2E-15	1	0	98
2.5A	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.4E-15	1	0	98
2.5CL	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.8E-15	1	0	98

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TABLE E2. r

OFFSITE SURVEY AND SAMPLING DATA (T = 06:00) (13:00)
(continued)

FIELD MONITOR POINT	MONITOR READINGS: CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	AIR SAMPLES (10 CF) bare absorb CPM	AIR SAMPLES (10 CF) filter-absorb CPM	15-min RAD DATA change in SRD mR	15-min RAD DATA contam cpm/100cm2	*CONTROLLER INFO* I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
2.5a	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.4E-15	1	0	98
3CL	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.1E-15	1	0	98
9C	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	1.1E-16	0	0	99
9B	< 0.1	< 0.1	< 0.1	1.4	60.	60.	< 0.1	< 0.1	6.0E-16	0	0	99
9A	< 0.1	0.1	< 0.1	3.6	60.	60.	< 0.1	< 0.1	1.6E-15	0	0	99
9CL	< 0.1	0.1	< 0.1	4.7	60.	60.	< 0.1	< 0.1	2.1E-15	0	0	99
10C	0.3	0.3	0.5	0.7	62.	300.	< 0.1	0.1	2.1E-10	99	0	0
10B	1.8	1.8	2.9	4.1	74.	1500.	0.4	0.9	1.3E-09	99	0	0
10A	5.2	5.3	8.7	12.	100.	4000.	1.3	2.4	3.6E-09	99	0	0
10CL	6.3	6.4	11.	15.	110.	5200.	1.6	3.1	4.9E-09	99	0	0
OTHERS	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	0.0E+00	0	0	0

FOR CONTROLLER/OBSERVER USE ONLY
(Not to be Provided to Players):

Current Stability Class E

Primary Release Pt: PS Flow: 2.1E+0 m3/sec
Release Concentration-GIP (uCi/cc): 1.7E-05 8.2E-10 1.1E-09
(Flow & Release Integrated & Averaged over previous 15 minutes)
Whole Body Dose Projection: < 0.1 mRem/hr
Thyroid Dose Projection: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind
Maximums and Projections do not include plant shine or ground shine

Maximum Plume Whole-Body Dose Rate: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind

Maximum Thyroid Dose Commitment: < 0.1 mRem/hr
at a distance of: 1.18 miles downwind

TABLE E2. s

OFFSITE SURVEY AND SAMPLING DATA (T = 06:30) (13:30)

FIELD MONITOR POINT	MONITOR READINGS: CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	AIR SAMPLES (10 CF) bare absorb CPM	AIR SAMPLES (10 CF) filter-absorb CPM	15-min RAD DATA change in SRD mR	15-min RAD DATA contam cpm/100cm2	*CONTROLLER INFO* I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
.5D	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.6E-15	1	0	98
.5C	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	7.4E-15	1	0	98
.5B	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	1.4E-14	1	0	98
.5A	< 0.1	< 0.1	< 0.1	1.0	60.	60.	< 0.1	< 0.1	1.5E-14	1	0	98
.5CL	< 0.1	< 0.1	< 0.1	1.0	60.	60.	< 0.1	< 0.1	1.5E-14	1	0	98
.5a	< 0.1	< 0.1	< 0.1	1.0	60.	60.	< 0.1	< 0.1	1.5E-14	1	0	98
.5b	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	1.4E-14	1	0	98
.5c	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	7.4E-15	1	0	98
.5d	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.7E-15	1	0	98
1C	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.6E-15	1	0	98
1B	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	6.3E-15	1	0	98
1A	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	7.1E-15	1	0	98
1CL	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	7.4E-15	1	0	98
1a	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	7.1E-15	1	0	98
1b	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	6.3E-15	1	0	98
1c	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.7E-15	1	0	98
1.2B	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	4.8E-15	1	0	98
1.2A	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	5.8E-15	1	0	98
1.2CL	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	6.1E-15	1	0	98
1.2a	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	5.8E-15	1	0	98
1.2b	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	4.9E-15	1	0	98
1.5B	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.5E-15	1	0	98
1.5A	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	4.5E-15	1	0	98
1.5CL	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	4.8E-15	1	0	98
1.5a	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	4.5E-15	1	0	98
1.5b	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.5E-15	1	0	98
2A	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.2E-15	1	0	98
2CL	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.5E-15	1	0	98
2a	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	3.2E-15	1	0	98
2.5A	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.6E-15	1	0	98
2.5CL	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.8E-15	1	0	98

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TABLE E2. s

OFFSITE SURVEY AND SAMPLING DATA (T = 06:30) (13:30)
(continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
2.5a	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.6E-15	1	0	98
9C	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	6.8E-17	0	0	99
9B	< 0.1	< 0.1	< 0.1	1.5	60.	60.	< 0.1	< 0.1	3.8E-16	0	0	99
9A	< 0.1	0.1	< 0.1	3.7	60.	60.	< 0.1	< 0.1	1.0E-15	0	0	99
9CL	< 0.1	0.1	< 0.1	4.8	60.	60.	< 0.1	< 0.1	1.4E-15	0	0	99
10C	0.3	0.3	0.5	0.7	62.	300.	< 0.1	0.1	2.0E-10	98	0	1
10B	1.7	1.7	2.9	4.0	74.	1500.	0.4	0.9	1.2E-09	98	0	1
10A	5.1	5.1	8.5	12.	100.	4000.	1.3	2.4	3.5E-09	99	0	0
10CL	6.2	6.2	10.	15.	110.	5200.	1.5	3.1	4.7E-09	98	0	1
OTHERS	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	0.0E+00	0	0	0

FOR CONTROLLER/OBSERVER USE ONLY
(Not to be Provided to Players):

Current Stability Class E

Primary Release Pt: PS Flow: 2.1E+0 m3/sec
Release Concentration-GIP (uCi/cc): 1.8E-05 6.6E-10 1.0E-09
(Flow & Release Integrated & Averaged over previous 15 minutes)
Whole Body Dose Projection: < 0.1 mRem/hr
Thyroid Dose Projection: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind
Maximums and Projections do not include plant shine or ground shine

Maximum Plume Whole-Body Dose Rate: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind

Maximum Thyroid Dose Commitment: < 0.1 mRem/hr
at a distance of: 1.18 miles downwind

TABLE E2. t

OFFSITE SURVEY AND SAMPLING DATA (T = 07:00) (14:00)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPM							
.5C	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	6.0E-15	2	0	97
.5B	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	1.1E-14	2	0	97
.5A	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	1.2E-14	2	0	97
.5CL	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	1.2E-14	2	0	97
.5a	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	1.2E-14	2	0	97
.5b	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	1.1E-14	2	0	97
.5c	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	6.0E-15	2	0	97
.5d	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.2E-15	2	0	97
1B	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	5.1E-15	2	0	97
1A	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	5.7E-15	2	0	97
1CL	< 0.1	< 0.1	< 0.1	0.5	60.	60.	< 0.1	< 0.1	5.9E-15	2	0	97
1a	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	5.7E-15	2	0	97
1b	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	5.1E-15	2	0	97
1.2B	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.9E-15	2	0	97
1.2A	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	4.6E-15	2	0	97
1.2CL	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	4.9E-15	2	0	98
1.2a	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	4.6E-15	2	0	97
1.2b	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.9E-15	1	0	98
1.5B	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.8E-15	2	0	97
1.5A	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.6E-15	1	0	98
1.5CL	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.8E-15	2	0	97
1.5a	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.7E-15	2	0	98
1.5b	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.8E-15	2	0	97
2A	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.6E-15	2	0	97
2CL	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.8E-15	2	0	97
2a	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.6E-15	2	0	97
2.5CL	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.2E-15	1	0	98
9C	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	4.6E-17	0	0	99
9B	< 0.1	< 0.1	< 0.1	1.5	60.	60.	< 0.1	< 0.1	2.6E-16	0	0	99
9A	< 0.1	0.1	< 0.1	3.8	60.	60.	< 0.1	< 0.1	6.9E-16	0	0	99
9CL	< 0.1	0.1	< 0.1	4.9	60.	60.	< 0.1	< 0.1	8.9E-16	0	0	99

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TABLE E2. t

OFFSITE SURVEY AND SAMPLING DATA (T = 07:00) (14:00)
(continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
10C	0.3	0.3	0.5	0.6	62.	300.	< 0.1	0.1	1.9E-10	98	0	1
10B	1.7	1.7	2.8	4.0	74.	1500.	0.4	0.9	1.2E-09	98	0	1
10A	5.0	5.0	8.3	12.	100.	4000.	1.2	2.4	3.3E-09	98	0	1
10CL	6.0	6.1	10.	14.	110.	5200.	1.5	3.1	4.5E-09	98	0	1
OTHERS	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	0.0E+00	0	0	0

FOR CONTROLLER/OBSERVER USE ONLY
(Not to be Provided to Players):

Current Stability Class E

Primary Release Pt: PS Flow: 2.1E+0 m3/sec
Release Concentration-GIP (uCi/cc): 1.8E-05 5.6E-10 9.6E-10
(Flow & Release Integrated & Averaged over previous 15 minutes)
Whole Body Dose Projection: < 0.1 mRem/hr
Thyroid Dose Projection: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind
Maximums and Projections do not include plant shine or ground shine

Maximum Plume Whole-Body Dose Rate: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind

Maximum Thyroid Dose Commitment: < 0.1 mRem/hr
at a distance of: 1.18 miles downwind

TABLE E2. u

OFFSITE SURVEY AND SAMPLING DATA (T = 07:30) (14:30)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPM							
.5C	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	5.0E-15	2	0	97
.5B	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	9.4E-15	2	0	97
.5A	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	9.9E-15	2	0	97
.5CL	< 0.1	< 0.1	< 0.1	0.9	60.	60.	< 0.1	< 0.1	1.0E-14	2	0	97
.5a	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	9.9E-15	2	0	97
.5b	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	9.4E-15	2	0	97
.5c	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	5.0E-15	2	0	97
1B	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	4.2E-15	2	0	97
1A	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	4.8E-15	2	0	97
1CL	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	5.0E-15	2	0	97
1a	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	4.8E-15	2	0	97
1b	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	4.2E-15	2	0	97
1.2B	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.3E-15	2	0	97
1.2A	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.9E-15	2	0	97
1.2CL	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	4.1E-15	2	0	97
1.2a	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.9E-15	2	0	97
1.2b	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.3E-15	2	0	97
1.5B	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.3E-15	2	0	97
1.5A	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.0E-15	2	0	97
1.5CL	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.2E-15	2	0	97
1.5a	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.1E-15	2	0	97
1.5b	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.3E-15	2	0	97
2A	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.2E-15	2	0	97
2CL	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.3E-15	2	0	97
2a	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.2E-15	2	0	97
9C	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.2E-17	0	0	99
9B	< 0.1	< 0.1	< 0.1	1.5	60.	60.	< 0.1	< 0.1	1.8E-16	0	0	99
9A	< 0.1	0.1	< 0.1	3.8	60.	60.	< 0.1	< 0.1	4.9E-16	0	0	99
9CL	< 0.1	0.1	< 0.1	4.9	60.	60.	< 0.1	< 0.1	6.2E-16	0	0	99
10C	0.3	0.3	0.4	0.6	62.	300.	< 0.1	0.1	1.8E-10	98	0	1
10B	1.6	1.6	2.7	3.9	74.	1500.	0.4	0.9	1.1E-09	98	0	1

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TABLE E2. u

OFFSITE SURVEY AND SAMPLING DATA (T = 07:30) (14:30)
(continued)

FIELD MONITOR POINT	MONITOR READINGS CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	AIR SAMPLES (10 CF) bare absorb CPM	AIR SAMPLES (10 CF) filter-absorb CPM	15-min RAD DATA change in SRD mR	15-min RAD DATA contam cpm/100cm2	*CONTROLLER INFO* I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
10A	4.9	4.9	8.1	12.	100.	4000.	1.2	2.4	3.1E-09	98	0	1
10CL	5.9	6.0	9.9	14.	110.	5200.	1.5	3.1	4.2E-09	98	0	1
OTHERS	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	0.0E+00	0	0	0

FOR CONTROLLER/OBSERVER USE ONLY
(Not to be Provided to Players):

Current Stability Class E

Primary Release Pt: PS Flow: 2.1E+0 m3/sec
Release Concentration-GIP (uCi/cc): 1.8E-05 5.0E-10 9.1E-10
(Flow & Release Integrated & Averaged over previous 15 minutes)
Whole Body Dose Projection: < 0.1 mRem/hr
Thyroid Dose Projection: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind
Maximums and Projections do not include plant shine or ground shine

Maximum Plume Whole-Body Dose Rate: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind

Maximum Thyroid Dose Commitment: < 0.1 mRem/hr
at a distance of: 1.18 miles downwind

TABLE E2. v

OFFSITE SURVEY AND SAMPLING DATA (T = 08:00) (15:00)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	CLOSED WINDOW ground (mR/hr)	OPEN WINDOW waist (mR/hr)	OPEN WINDOW ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD dose Plm	percent contrib Plt	Grd
					Air Sample Background is 60 CPM							
.5C	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	4.4E-15	2	0	97
.5B	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	8.3E-15	2	0	97
.5A	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	8.7E-15	2	0	97
.5CL	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	8.9E-15	2	0	97
.5a	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	8.7E-15	2	0	97
.5b	< 0.1	< 0.1	< 0.1	0.8	60.	60.	< 0.1	< 0.1	8.3E-15	2	0	97
.5c	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	4.4E-15	2	0	97
1B	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.7E-15	2	0	97
1A	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	4.2E-15	2	0	97
1CL	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	4.4E-15	2	0	97
1a	< 0.1	< 0.1	< 0.1	0.4	60.	60.	< 0.1	< 0.1	4.2E-15	2	0	97
1b	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.7E-15	2	0	97
1.2B	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	2.9E-15	2	0	97
1.2A	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.4E-15	2	0	97
1.2CL	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.6E-15	2	0	97
1.2a	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	3.4E-15	2	0	97
1.2b	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	2.9E-15	2	0	97
1.5B	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.1E-15	2	0	97
1.5A	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.7E-15	2	0	97
1.5CL	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	2.8E-15	2	0	97
1.5a	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.7E-15	2	0	97
1.5b	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.1E-15	2	0	97
2A	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	1.9E-15	2	0	97
2CL	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	2.1E-15	2	0	97
2a	< 0.1	< 0.1	< 0.1	0.2	60.	60.	< 0.1	< 0.1	1.9E-15	2	0	97
9C	< 0.1	< 0.1	< 0.1	0.3	60.	60.	< 0.1	< 0.1	2.5E-17	0	0	99
9B	< 0.1	< 0.1	< 0.1	1.5	60.	60.	< 0.1	< 0.1	1.4E-16	0	0	99
9A	< 0.1	0.1	< 0.1	3.8	60.	60.	< 0.1	< 0.1	3.7E-16	0	0	99
9CL	< 0.1	0.1	< 0.1	4.9	60.	60.	< 0.1	< 0.1	4.9E-16	0	0	99
10C	0.3	0.3	0.4	0.6	62.	300.	< 0.1	0.1	1.7E-10	98	0	1
10B	1.6	1.6	2.7	3.9	74.	1500.	0.4	0.9	1.1E-09	98	0	1

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TABLE E2. v

OFFSITE SURVEY AND SAMPLING DATA (T = 08:00) (15:00)
(continued)

	MONITOR READINGS				AIR SAMPLES (10 CF)		15-min RAD DATA		*CONTROLLER INFO*			
FIELD MONITOR POINT	CLOSED WINDOW waist (mR/hr)	ground (mR/hr)	OPEN WINDOW waist (mR/hr)	ground (mR/hr)	bare absorb CPM	filter-absorb CPM	change in SRD mR	contam cpm/ 100cm2	I-131 conc. uCi/cc	SRD percent dose contrib Plm	Plt	Grd
					Air Sample Background is 60 CPM							
10A	4.7	4.8	8.0	11.	100.	4000.	1.2	2.4	3.0E-09	98	0	1
10CL	5.8	5.8	9.7	14.	110.	5200.	1.4	3.1	4.1E-09	98	0	1
OTHERS	< 0.1	< 0.1	< 0.1	< 0.1	60.	60.	< 0.1	< 0.1	0.0E+00	0	0	0

FOR CONTROLLER/OBSERVER USE ONLY
(Not to be Provided to Players):

Current Stability Class E

Primary Release Pt: PS Flow: 2.1E+0 m3/sec
Release Concentration-GIP (uCi/cc): 1.8E-05 4.6E-10 8.6E-10
(Flow & Release Integrated & Averaged over previous 15 minutes)
Whole Body Dose Projection: < 0.1 mRem/hr
Thyroid Dose Projection: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind
Maximums and Projections do not include plant shine or ground shine

Maximum Plume Whole-Body Dose Rate: < 0.1 mRem/hr
at a distance of: 1.20 miles downwind

Maximum Thyroid Dose Commitment: < 0.1 mRem/hr
at a distance of: 1.18 miles downwind

TABLE E3. a

ENVIRONMENTAL SAMPLING DATA (T = 00:00) (07:00)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION		GROUND DEPOSITION
	iodine	total	
	(pCi/kg)	(pCi/kg)	(cpm/100cm2)

ALL SAMPLES LESS THAN MDA

TABLE E3. b

ENVIRONMENTAL SAMPLING DATA (T = 01:00) (08:00)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
1.5D	0.1	0.1	< 0.1
1.5C	0.4	0.4	< 0.1
1.5B	1.2	1.2	< 0.1
1.5A	2.1	2.1	< 0.1
1.5CL	2.6	2.6	< 0.1
1.5a	2.2	2.2	< 0.1
1.5b	1.2	1.2	< 0.1
1.5c	0.4	0.4	< 0.1
1.5d	0.1	0.1	< 0.1
TLD51	0.1	0.1	< 0.1
2C	0.3	0.3	< 0.1
2B	0.7	0.7	< 0.1
2A	1.4	1.4	< 0.1
2CL	1.7	1.7	< 0.1
2a	1.4	1.4	< 0.1
2b	0.7	0.7	< 0.1
2c	0.3	0.3	< 0.1
2.5C	0.1	0.1	< 0.1
2.5B	0.4	0.4	< 0.1
2.5A	0.7	0.7	< 0.1
2.5CL	0.9	0.9	< 0.1
2.5a	0.7	0.7	< 0.1
2.5b	0.4	0.4	< 0.1
2.5c	0.1	0.1	< 0.1
3C	< 0.1	< 0.1	< 0.1
3B	0.3	0.3	< 0.1
3A	0.6	0.6	< 0.1
3CL	0.7	0.7	< 0.1
3a	0.6	0.6	< 0.1
3b	0.3	0.3	< 0.1
3c	< 0.1	< 0.1	< 0.1
4a	< 0.1	< 0.1	< 0.1
4b	< 0.1	< 0.1	< 0.1
4.5CL	< 0.1	< 0.1	< 0.1
5CL	< 0.1	< 0.1	< 0.1

OTHER SAMPLES LESS THAN MDA

TABLE E3. c

ENVIRONMENTAL SAMPLING DATA (T = 01:30) (08:30)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
1.5D	0.2	0.2	< 0.1
1.5C	0.6	0.6	< 0.1
1.5B	1.6	1.6	< 0.1
1.5A	2.8	2.8	< 0.1
1.5CL	3.4	3.4	< 0.1
1.5a	2.9	2.9	< 0.1
1.5b	1.6	1.6	< 0.1
1.5c	0.6	0.6	< 0.1
1.5d	0.2	0.2	< 0.1
TLD51	0.2	0.2	< 0.1
2D	< 0.1	< 0.1	< 0.1
2C	0.4	0.4	< 0.1
2B	1.0	1.0	< 0.1
2A	1.9	1.9	< 0.1
2CL	2.3	2.3	< 0.1
2a	1.9	1.9	< 0.1
2b	1.0	1.0	< 0.1
2c	0.4	0.4	< 0.1
2d	< 0.1	< 0.1	< 0.1
2.5C	0.2	0.2	< 0.1
2.5B	0.6	0.6	< 0.1
2.5A	1.2	1.2	< 0.1
2.5CL	1.5	1.6	< 0.1
2.5a	1.2	1.2	< 0.1
2.5b	0.6	0.6	< 0.1
2.5c	0.2	0.2	< 0.1
3C	0.1	0.1	< 0.1
3B	0.5	0.5	< 0.1
3A	1.0	1.0	< 0.1
3CL	1.2	1.2	< 0.1
3a	1.0	1.0	< 0.1
3b	0.5	0.5	< 0.1
3c	0.1	0.1	< 0.1
4CL	< 0.1	< 0.1	< 0.1
4a	0.4	0.4	< 0.1
4b	0.4	0.4	< 0.1
4c	0.3	0.3	< 0.1
4d	0.1	0.1	< 0.1
4.5B	0.1	0.1	< 0.1
4.5A	0.3	0.3	< 0.1

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TABLE E3. d

ENVIRONMENTAL SAMPLING DATA (T = 01:30) (08:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
4.5CL	0.4	0.4	< 0.1
4.5a	0.3	0.3	< 0.1
4.5b	0.1	0.1	< 0.1
TLD8	0.2	0.2	< 0.1
5B	0.1	0.1	< 0.1
5A	0.3	0.3	< 0.1
5CL	0.4	0.4	< 0.1
5a	0.3	0.3	< 0.1
5b	0.1	0.1	< 0.1
6A	0.1	0.1	< 0.1
6CL	0.2	0.2	< 0.1
6a	0.1	0.1	< 0.1

OTHER SAMPLES LESS THAN MDA

TABLE E3. d

ENVIRONMENTAL SAMPLING DATA (T = 01:45) (08:45)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
.5F	1600.	1700.	0.1
.5E	8200.	8300.	0.7
.5D	3.0E4	3.0E4	2.7
.5C	8.7E4	8.8E4	7.8
.5B	1.6E5	1.6E5	14.
.5A	1.7E5	1.7E5	15.
.5CL	1.7E5	1.7E5	15.
.5a	1.7E5	1.7E5	15.
.5b	1.6E5	1.6E5	14.
.5c	8.7E4	8.8E4	7.8
.5d	3.2E4	3.3E4	2.9
.5e	8500.	8500.	0.8
.5f	1600.	1600.	0.1
WNP1	6000.	6000.	0.5
WNP1GATE	140.	140.	< 0.1
1F	270.	280.	< 0.1
1E	1900.	1900.	0.2
1D	9200.	9300.	0.8
1C	3.0E4	3.0E4	2.7
1B	7.2E4	7.3E4	6.5
1A	8.2E4	8.3E4	7.3
1CL	8.5E4	8.5E4	7.6
1a	8.2E4	8.3E4	7.3
1b	7.2E4	7.3E4	6.5
1c	3.0E4	3.0E4	2.7
1d	9000.	9000.	0.8
1e	1800.	1800.	0.2
1.2F	150.	150.	< 0.1
1.2E	1200.	1200.	0.1
1.2D	6200.	6300.	0.6
1.2C	2.2E4	2.3E4	2.0
1.2B	5.7E4	5.8E4	5.1
1.2A	6.7E4	6.8E4	6.0
1.2CL	7.0E4	7.0E4	6.2
1.2a	6.7E4	6.8E4	6.0
1.2b	5.7E4	5.8E4	5.1
1.2c	2.2E4	2.3E4	2.0
1.2d	6200.	6300.	0.6
1.2e	1200.	1200.	0.1
1.2f	150.	150.	< 0.1

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TABLE E3. e

ENVIRONMENTAL SAMPLING DATA (T = 01:45) (08:45)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
1.5F	75.	75.	< 0.1
1.5E	680.	680.	< 0.1
1.5D	4000.	4000.	0.4
1.5C	1.5E4	1.5E4	1.4
1.5B	4.0E4	4.0E4	3.6
1.5A	5.3E4	5.3E4	4.7
1.5CL	5.5E4	5.5E4	4.9
1.5a	5.3E4	5.3E4	4.7
1.5b	4.0E4	4.0E4	3.6
1.5c	1.5E4	1.6E4	1.4
1.5d	4000.	4000.	0.4
1.5e	680.	680.	< 0.1
1.5f	75.	75.	< 0.1
TLD51	0.3	0.3	< 0.1
2F	28.	28.	< 0.1
2E	300.	300.	< 0.1
2D	2000.	2100.	0.2
2C	9000.	9000.	0.8
2B	2.5E4	2.5E4	2.2
2A	3.8E4	3.8E4	3.3
2CL	4.0E4	4.0E4	3.6
2a	3.8E4	3.8E4	3.3
2b	2.5E4	2.5E4	2.2
2c	9000.	9000.	0.8
2d	2000.	2100.	0.2
2e	300.	300.	< 0.1
2f	30.	30.	< 0.1
TLD3	700.	700.	< 0.1
2.5C	0.2	0.2	< 0.1
2.5B	0.7	0.7	< 0.1
2.5A	1.3	1.3	< 0.1
2.5CL	1.7	1.7	< 0.1
2.5a	1.3	1.3	< 0.1
2.5b	0.7	0.7	< 0.1
2.5c	0.2	0.2	< 0.1
3C	0.2	0.2	< 0.1
3B	0.5	0.5	< 0.1
3A	1.0	1.0	< 0.1
3CL	1.3	1.3	< 0.1
3a	1.0	1.0	< 0.1

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TABLE E3. e

ENVIRONMENTAL SAMPLING DATA (T = 01:45) (08:45)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
3b	0.5	0.5	< 0.1
3c	0.2	0.2	< 0.1
4A	< 0.1	< 0.1	< 0.1
4CL	0.1	0.1	< 0.1
4a	0.5	0.5	< 0.1
4b	0.6	0.6	< 0.1
4c	0.4	0.4	< 0.1
4d	0.2	0.2	< 0.1
4.5B	0.2	0.2	< 0.1
4.5A	0.4	0.4	< 0.1
4.5CL	0.5	0.5	< 0.1
4.5a	0.4	0.4	< 0.1
4.5b	0.2	0.2	< 0.1
TLD8	0.2	0.2	< 0.1
5B	0.2	0.2	< 0.1
5A	0.4	0.4	< 0.1
5CL	0.5	0.5	< 0.1
5a	0.4	0.4	< 0.1
5b	0.2	0.2	< 0.1
6B	< 0.1	< 0.1	< 0.1
6A	0.2	0.2	< 0.1
6CL	0.3	0.3	< 0.1
6a	0.2	0.2	< 0.1
6b	< 0.1	< 0.1	< 0.1
7A	< 0.1	< 0.1	< 0.1
7CL	0.1	0.1	< 0.1
7a	< 0.1	< 0.1	< 0.1

OTHER SAMPLES LESS THAN MDA

TABLE E3. e

ENVIRONMENTAL SAMPLING DATA (T = 02:00) (09:00)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
.5F	1.1E4	1.1E4	0.9
.5E	5.3E4	5.3E4	4.7
.5D	2.0E5	2.0E5	18.
.5C	5.6E5	5.6E5	50.
.5B	1.1E6	1.1E6	94.
.5A	1.1E6	1.1E6	99.
.5CL	1.1E6	1.1E6	99.
.5a	1.1E6	1.1E6	99.
.5b	1.1E6	1.1E6	94.
.5c	5.6E5	5.6E5	50.
.5d	2.1E5	2.1E5	18.
.5e	5.5E4	5.6E4	4.9
.5f	1.0E4	1.0E4	0.9
WNP1	3.8E4	3.8E4	3.4
WNP1GATE	880.	880.	< 0.1
1F	1800.	1800.	0.2
1E	1.2E4	1.2E4	1.1
1D	5.9E4	5.9E4	5.2
1C	2.0E5	2.0E5	17.
1B	4.7E5	4.7E5	42.
1A	5.3E5	5.3E5	47.
1CL	5.5E5	5.6E5	49.
1a	5.3E5	5.3E5	47.
1b	4.7E5	4.7E5	42.
1c	2.0E5	2.0E5	18.
1d	5.8E4	5.9E4	5.2
1e	1.2E4	1.2E4	1.1
1.2F	990.	1000.	< 0.1
1.2E	7900.	7900.	0.7
1.2D	4.1E4	4.1E4	3.6
1.2C	1.5E5	1.5E5	13.
1.2B	3.5E5	3.6E5	32.
1.2A	4.4E5	4.4E5	39.
1.2CL	4.7E5	4.7E5	41.
1.2a	4.4E5	4.4E5	39.
1.2b	3.8E5	3.8E5	34.
1.2c	1.5E5	1.5E5	13.
1.2d	4.1E4	4.1E4	3.6
1.2e	7600.	7600.	0.7
1.2f	990.	1000.	< 0.1

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TABLE E3. f

ENVIRONMENTAL SAMPLING DATA (T = 02:00) (09:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
1.5F	500.	500.	< 0.1
1.5E	4400.	4400.	0.4
1.5D	2.6E4	2.6E4	2.3
1.5C	9.9E4	1.0E5	8.8
1.5B	2.6E5	2.6E5	23.
1.5A	3.5E5	3.5E5	31.
1.5CL	3.5E5	3.5E5	31.
1.5a	3.5E5	3.5E5	31.
1.5b	2.6E5	2.6E5	23.
1.5c	1.0E5	1.0E5	8.9
1.5d	2.6E4	2.6E4	2.3
1.5e	4400.	4400.	0.4
1.5f	500.	500.	< 0.1
TLD51	6500.	1.6E4	1.5
2F	180.	180.	< 0.1
2E	2000.	2000.	0.2
2D	1.3E4	1.3E4	1.2
2C	5.8E4	5.9E4	5.2
2B	1.7E5	1.7E5	15.
2A	2.4E5	2.4E5	21.
2CL	2.6E5	2.6E5	23.
2a	2.4E5	2.4E5	21.
2b	1.7E5	1.7E5	15.
2c	5.8E4	5.9E4	5.2
2d	1.3E4	1.3E4	1.2
2e	1900.	1900.	0.2
2f	190.	190.	< 0.1
TLD3	4400.	4400.	0.4
2.5F	12.	30.	< 0.1
2.5E	150.	370.	< 0.1
2.5D	1100.	2900.	0.3
2.5C	5500.	1.4E4	1.2
2.5B	1.7E4	4.2E4	3.7
2.5A	2.8E4	6.8E4	6.0
2.5CL	3.0E4	7.5E4	6.7
2.5a	2.8E4	6.8E4	6.0
2.5b	1.7E4	4.2E4	3.7
2.5c	5500.	1.4E4	1.2
2.5d	1100.	2800.	0.3
2.5e	150.	370.	< 0.1

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TABLE E3. f

ENVIRONMENTAL SAMPLING DATA (T = 02:00) (09:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
2.5f	12.	30.	< 0.1
TLD23	0.1	0.3	< 0.1
3F	5.8	14.	< 0.1
3E	83.	210.	< 0.1
3D	730.	1800.	0.2
3C	3800.	9800.	0.9
3B	1.3E4	3.2E4	2.8
3A	2.1E4	5.4E4	4.8
3CL	2.4E4	6.2E4	5.5
3a	2.1E4	5.4E4	4.8
3b	1.3E4	3.2E4	2.9
3c	3800.	9800.	0.9
3d	730.	1800.	0.2
3e	83.	210.	< 0.1
3f	5.8	14.	< 0.1
4A	0.1	0.1	< 0.1
4CL	0.2	0.2	< 0.1
4a	0.6	0.6	< 0.1
4b	0.7	0.7	< 0.1
4c	0.5	0.5	< 0.1
4d	0.2	0.2	< 0.1
4.5B	0.2	0.2	< 0.1
4.5A	0.5	0.5	< 0.1
4.5CL	0.7	0.7	< 0.1
4.5a	0.5	0.5	< 0.1
4.5b	0.2	0.2	< 0.1
TLD8	0.3	0.3	< 0.1
5B	0.2	0.2	< 0.1
5A	0.5	0.5	< 0.1
5CL	0.6	0.6	< 0.1
5a	0.5	0.5	< 0.1
5b	0.2	0.2	< 0.1
6B	0.1	0.1	< 0.1
6A	0.3	0.3	< 0.1
6CL	0.4	0.4	< 0.1
6a	0.3	0.3	< 0.1
6b	0.1	0.1	< 0.1
7A	0.2	0.2	< 0.1
7CL	0.2	0.2	< 0.1
7a	0.2	0.2	< 0.1

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TABLE E3. f

ENVIRONMENTAL SAMPLING DATA (T = 02:00) (09:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION		GROUND DEPOSITION
	iodine	total	
	(pCi/kg)	(pCi/kg)	(cpm/100cm2)
8A	< 0.1	< 0.1	< 0.1
8CL	0.1	0.1	< 0.1

OTHER SAMPLES LESS THAN MDA

TABLE E3. f

ENVIRONMENTAL SAMPLING DATA (T = 02:15) (09:15)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
.5F	1.5E4	1.5E4	1.4
.5E	7.7E4	7.7E4	6.9
.5D	2.9E5	2.9E5	26.
.5C	8.0E5	8.0E5	71.
.5B	1.5E6	1.5E6	130.
.5A	1.6E6	1.6E6	140.
.5CL	1.6E6	1.6E6	140.
.5a	1.6E6	1.6E6	140.
.5b	1.5E6	1.5E6	130.
.5c	8.0E5	8.0E5	71.
.5d	3.0E5	3.0E5	26.
.5e	8.0E4	8.0E4	7.1
.5f	1.5E4	1.5E4	1.3
WNP1	5.5E4	5.6E4	4.9
WNP1GATE	1300.	1300.	0.1
1F	2500.	2500.	0.2
1E	1.7E4	1.7E4	1.5
1D	8.5E4	8.5E4	7.6
1C	2.8E5	2.8E5	25.
1B	6.8E5	6.8E5	60.
1A	7.7E5	7.7E5	69.
1CL	8.0E5	8.0E5	71.
1a	7.7E5	7.7E5	69.
1b	6.8E5	6.8E5	61.
1c	2.9E5	2.9E5	26.
1d	8.5E4	8.5E4	7.6
1e	1.7E4	1.7E4	1.5
1.2F	1400.	1400.	0.1
1.2E	1.1E4	1.1E4	1.0
1.2D	5.9E4	5.9E4	5.2
1.2C	2.1E5	2.1E5	19.
1.2B	5.2E5	5.2E5	46.
1.2A	6.3E5	6.3E5	56.
1.2CL	6.7E5	6.7E5	59.
1.2a	6.3E5	6.3E5	56.
1.2b	5.4E5	5.4E5	48.
1.2c	2.1E5	2.1E5	19.
1.2d	5.9E4	5.9E4	5.3
1.2e	1.1E4	1.1E4	1.0
1.2f	1400.	1400.	0.1

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TABLE E3. g

ENVIRONMENTAL SAMPLING DATA (T = 02:15) (09:15)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
1.5F	710.	710.	< 0.1
1.5E	6300.	6300.	0.6
1.5D	3.7E4	3.7E4	3.3
1.5C	1.4E5	1.4E5	13.
1.5B	3.8E5	3.8E5	34.
1.5A	5.0E5	5.0E5	44.
1.5CL	5.1E5	5.1E5	45.
1.5a	5.0E5	5.0E5	45.
1.5b	3.8E5	3.8E5	34.
1.5c	1.4E5	1.4E5	13.
1.5d	3.7E4	3.7E4	3.3
1.5e	6300.	6300.	0.6
1.5f	710.	710.	< 0.1
TLD51	4.1E4	1.1E5	9.8
2F	260.	270.	< 0.1
2E	2800.	2800.	0.3
2D	1.9E4	1.9E4	1.7
2C	8.5E4	8.5E4	7.6
2B	2.4E5	2.4E5	21.
2A	3.5E5	3.5E5	31.
2CL	3.8E5	3.8E5	34.
2a	3.5E5	3.5E5	31.
2b	2.4E5	2.4E5	21.
2c	8.5E4	8.5E4	7.6
2d	1.9E4	1.9E4	1.7
2e	2800.	2800.	0.2
2f	270.	270.	< 0.1
TLD3	6400.	6400.	0.6
2.5F	76.	200.	< 0.1
2.5E	940.	2500.	0.2
2.5D	7300.	1.9E4	1.7
2.5C	3.5E4	9.4E4	8.3
2.5B	1.1E5	2.9E5	26.
2.5A	1.7E5	4.5E5	40.
2.5CL	1.9E5	5.0E5	44.
2.5a	1.7E5	4.5E5	40.
2.5b	1.1E5	2.9E5	26.
2.5c	3.5E4	9.4E4	8.3
2.5d	7300.	1.9E4	1.7
2.5e	940.	2500.	0.2

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TABLE E3. g

ENVIRONMENTAL SAMPLING DATA (T = 02:15) (09:15)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
2.5f	76.	200.	< 0.1
TLD23	0.6	1.7	< 0.1
3F	38.	99.	< 0.1
3E	530.	1400.	0.1
3D	4700.	1.2E4	1.1
3C	2.5E4	6.7E4	5.9
3B	8.2E4	2.2E5	19.
3A	1.4E5	3.6E5	32.
3CL	1.6E5	4.1E5	36.
3a	1.4E5	3.6E5	32.
3b	8.2E4	2.2E5	19.
3c	2.5E4	6.7E4	5.9
3d	4700.	1.2E4	1.1
3e	530.	1400.	0.1
3f	38.	99.	< 0.1
4A	0.1	0.1	< 0.1
4CL	0.2	0.2	< 0.1
4a	0.7	0.7	< 0.1
4b	0.8	0.8	< 0.1
4c	0.5	0.5	< 0.1
4d	0.2	0.2	< 0.1
4.5B	0.3	0.3	< 0.1
4.5A	0.6	0.6	< 0.1
4.5CL	0.7	0.7	< 0.1
4.5a	0.6	0.6	< 0.1
4.5b	0.3	0.3	< 0.1
TLD8	0.3	0.3	< 0.1
5B	0.2	0.2	< 0.1
5A	0.5	0.5	< 0.1
5CL	0.6	0.6	< 0.1
5a	0.5	0.5	< 0.1
5b	0.2	0.2	< 0.1
6B	0.1	0.1	< 0.1
6A	0.3	0.3	< 0.1
6CL	0.5	0.5	< 0.1
6a	0.3	0.3	< 0.1
6b	0.1	0.1	< 0.1
7B	< 0.1	< 0.1	< 0.1
7A	0.2	0.2	< 0.1
7CL	0.3	0.3	< 0.1

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TABLE E3. g

ENVIRONMENTAL SAMPLING DATA (T = 02:15) (09:15)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION		GROUND DEPOSITION
	iodine	total	
	(pCi/kg)	(pCi/kg)	(cpm/100cm2)
7a	0.2	0.2	< 0.1
7b	< 0.1	< 0.1	< 0.1
8A	0.1	0.1	< 0.1
8CL	0.2	0.2	< 0.1
BLEARZAR	0.1	0.1	< 0.1
9CL	< 0.1	< 0.1	< 0.1

OTHER SAMPLES LESS THAN MDA

TABLE E3. h

ENVIRONMENTAL SAMPLING DATA (T = 02:30) (09:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
1.5F	790.	800.	< 0.1
1.5E	7100.	7100.	0.6
1.5D	4.1E4	4.1E4	3.7
1.5C	1.6E5	1.6E5	14.
1.5B	4.2E5	4.2E5	38.
1.5A	5.6E5	5.6E5	50.
1.5CL	5.7E5	5.7E5	51.
1.5a	5.6E5	5.6E5	50.
1.5b	4.2E5	4.2E5	38.
1.5c	1.6E5	1.6E5	14.
1.5d	4.1E4	4.1E4	3.7
1.5e	7100.	7100.	0.6
1.5f	790.	800.	< 0.1
TLD51	6.0E4	1.7E5	15.
2F	300.	300.	< 0.1
2E	3100.	3200.	0.3
2D	2.2E4	2.2E4	1.9
2C	9.5E4	9.5E4	8.5
2B	2.7E5	2.7E5	24.
2A	3.9E5	3.9E5	35.
2CL	4.2E5	4.2E5	38.
2a	3.9E5	3.9E5	35.
2b	2.7E5	2.7E5	24.
2c	9.5E4	9.5E4	8.5
2d	2.2E4	2.2E4	1.9
2e	3100.	3100.	0.3
2f	300.	300.	< 0.1
TLD3	7200.	7200.	0.6
2.5F	110.	300.	< 0.1
2.5E	1400.	3700.	0.3
2.5D	1.1E4	2.9E4	2.6
2.5C	5.1E4	1.4E5	13.
2.5B	1.6E5	4.3E5	38.
2.5A	2.5E5	6.8E5	60.
2.5CL	2.8E5	7.5E5	66.
2.5a	2.5E5	6.8E5	60.
2.5b	1.6E5	4.3E5	39.
2.5c	5.1E4	1.4E5	13.
2.5d	1.1E4	2.9E4	2.6
2.5e	1400.	3700.	0.3

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TABLE E3. h

ENVIRONMENTAL SAMPLING DATA (T = 02:30) (09:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
2.5f	110.	300.	< 0.1
TLD23	0.9	2.5	< 0.1
3F	54.	150.	< 0.1
3E	770.	2100.	0.2
3D	6800.	1.8E4	1.6
3C	3.6E4	9.8E4	8.7
3B	1.2E5	3.2E5	29.
3A	2.0E5	5.4E5	48.
3CL	2.2E5	6.1E5	54.
3a	2.0E5	5.4E5	48.
3b	1.2E5	3.2E5	29.
3c	3.6E4	9.8E4	8.7
3d	6800.	1.8E4	1.6
3e	770.	2100.	0.2
3f	54.	150.	< 0.1
4E	0.4	1.7	< 0.1
4D	7.8	30.	< 0.1
4C	90.	340.	< 0.1
4B	650.	2500.	0.2
4A	3000.	1.1E4	1.0
4CL	3800.	1.5E4	1.3
4a	1.3E4	5.0E4	4.5
4b	1.4E4	5.4E4	4.8
4c	1.1E4	4.4E4	3.9
4d	5500.	2.2E4	2.0
4e	1500.	6000.	0.5
4f	250.	1000.	< 0.1
4.5F	0.9	3.6	< 0.1
4.5E	19.	74.	< 0.1
4.5D	220.	870.	< 0.1
4.5C	1500.	6000.	0.5
4.5B	5800.	2.3E4	2.0
4.5A	1.1E4	4.6E4	4.1
4.5CL	1.3E4	5.3E4	4.8
4.5a	1.1E4	4.6E4	4.1
4.5b	5800.	2.3E4	2.0
4.5c	1500.	6000.	0.5
4.5d	220.	870.	< 0.1
4.5e	5.8	23.	< 0.1
4.5f	0.9	3.6	< 0.1

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TABLE E3. h

ENVIRONMENTAL SAMPLING DATA (T = 02:30) (09:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
TLD8	6300.	2.5E4	2.2
5F	0.5	2.2	< 0.1
5E	13.	50.	< 0.1
5D	160.	640.	< 0.1
5C	1200.	4700.	0.4
5B	4800.	1.9E4	1.7
5A	1.0E4	4.0E4	3.6
5CL	1.2E4	4.7E4	4.2
5a	1.0E4	4.0E4	3.6
5b	4800.	1.9E4	1.7
5c	1200.	4700.	0.4
5d	160.	640.	< 0.1
5e	13.	50.	< 0.1
5f	0.5	2.1	< 0.1
6B	0.2	0.2	< 0.1
6A	0.4	0.4	< 0.1
6CL	0.5	0.5	< 0.1
6a	0.4	0.4	< 0.1
6b	0.2	0.2	< 0.1
7B	0.1	0.1	< 0.1
7A	0.3	0.3	< 0.1
7CL	0.4	0.4	< 0.1
7a	0.3	0.3	< 0.1
7b	0.1	0.1	< 0.1
EMSCHOOL	< 0.1	< 0.1	< 0.1
8A	0.2	0.2	< 0.1
8CL	0.2	0.2	< 0.1
BLEARZAR	0.2	0.2	< 0.1
9A	0.1	0.1	< 0.1
9CL	0.2	0.2	< 0.1
10CL	< 0.1	< 0.1	< 0.1

OTHER SAMPLES LESS THAN MDA

TABLE E3. h

ENVIRONMENTAL SAMPLING DATA (T = 02:45) (09:45)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
.5F	1.6E4	1.6E4	1.5
.5E	8.3E4	8.3E4	7.4
.5D	3.1E5	3.1E5	28.
.5C	8.6E5	8.6E5	77.
.5B	1.6E6	1.6E6	150.
.5A	1.7E6	1.7E6	150.
.5CL	1.8E6	1.8E6	160.
.5a	1.7E6	1.7E6	150.
.5b	1.6E6	1.6E6	150.
.5c	8.6E5	8.6E5	77.
.5d	3.2E5	3.2E5	28.
.5e	8.6E4	8.6E4	7.6
.5f	1.6E4	1.6E4	1.4
WNP1	6.0E4	6.0E4	5.3
WNP1GATE	1400.	1400.	0.1
1F	2700.	2700.	0.2
1E	1.9E4	1.9E4	1.6
1D	9.2E4	9.2E4	8.1
1C	3.0E5	3.1E5	27.
1B	7.3E5	7.3E5	65.
1A	8.3E5	8.3E5	74.
1CL	8.6E5	8.6E5	76.
1a	8.3E5	8.3E5	74.
1b	7.3E5	7.3E5	65.
1c	3.1E5	3.1E5	28.
1d	9.1E4	9.1E4	8.1
1e	1.8E4	1.8E4	1.6
1.2F	1500.	1500.	0.1
1.2E	1.2E4	1.2E4	1.1
1.2D	6.3E4	6.3E4	5.6
1.2C	2.3E5	2.3E5	20.
1.2B	5.6E5	5.6E5	50.
1.2A	6.8E5	6.8E5	60.
1.2CL	7.2E5	7.2E5	64.
1.2a	6.8E5	6.8E5	60.
1.2b	5.8E5	5.8E5	52.
1.2c	2.3E5	2.3E5	20.
1.2d	6.4E4	6.4E4	5.7
1.2e	1.2E4	1.2E4	1.1
1.2f	1500.	1500.	0.1

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TABLE E3. i

ENVIRONMENTAL SAMPLING DATA (T = 02:45) (09:45)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
1.5F	760.	760.	< 0.1
1.5E	6800.	6800.	0.6
1.5D	3.9E4	3.9E4	3.5
1.5C	1.5E5	1.5E5	14.
1.5B	4.1E5	4.1E5	36.
1.5A	5.3E5	5.4E5	48.
1.5CL	5.5E5	5.5E5	49.
1.5a	5.4E5	5.4E5	48.
1.5b	4.1E5	4.1E5	36.
1.5c	1.5E5	1.5E5	14.
1.5d	3.9E4	3.9E4	3.5
1.5e	6800.	6800.	0.6
1.5f	760.	760.	< 0.1
TLD51	6.8E4	1.7E5	15.
2F	280.	290.	< 0.1
2E	3000.	3000.	0.3
2D	2.1E4	2.1E4	1.8
2C	9.1E4	9.1E4	8.1
2B	2.6E5	2.6E5	23.
2A	3.7E5	3.8E5	33.
2CL	4.1E5	4.1E5	36.
2a	3.7E5	3.8E5	33.
2b	2.6E5	2.6E5	23.
2c	9.1E4	9.1E4	8.1
2d	2.1E4	2.1E4	1.8
2e	3000.	3000.	0.3
2f	290.	290.	< 0.1
TLD3	6900.	6900.	0.6
2.5F	120.	310.	< 0.1
2.5E	1500.	3900.	0.3
2.5D	1.2E4	3.0E4	2.7
2.5C	5.7E4	1.5E5	13.
2.5B	1.8E5	4.5E5	40.
2.5A	2.8E5	7.1E5	63.
2.5CL	3.1E5	7.8E5	70.
2.5a	2.8E5	7.1E5	63.
2.5b	1.8E5	4.5E5	40.
2.5c	5.7E4	1.5E5	13.
2.5d	1.2E4	3.0E4	2.7
2.5e	1500.	3900.	0.3

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TABLE E3. i

ENVIRONMENTAL SAMPLING DATA (T = 02:45) (09:45)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
2.5f	120.	310.	< 0.1
TLD23	1.0	2.7	< 0.1
3F	61.	150.	< 0.1
3E	870.	2200.	0.2
3D	7600.	1.9E4	1.7
3C	4.0E4	1.0E5	9.0
3B	1.3E5	3.4E5	30.
3A	2.2E5	5.7E5	50.
3CL	2.5E5	6.4E5	57.
3a	2.2E5	5.7E5	50.
3b	1.3E5	3.4E5	30.
3c	4.0E4	1.0E5	9.0
3d	7600.	1.9E4	1.7
3e	870.	2200.	0.2
3f	61.	150.	< 0.1
4F	< 0.1	0.4	< 0.1
4E	2.8	11.	< 0.1
4D	50.	200.	< 0.1
4C	580.	2400.	0.2
4B	4100.	1.7E4	1.5
4A	1.9E4	7.6E4	6.8
4CL	2.4E4	9.8E4	8.7
4a	8.2E4	3.3E5	30.
4b	8.8E4	3.6E5	32.
4c	7.3E4	3.0E5	27.
4d	3.5E4	1.5E5	13.
4e	1.0E4	4.0E4	3.6
4f	1700.	6900.	0.6
4.5F	5.8	24.	< 0.1
4.5E	120.	500.	< 0.1
4.5D	1400.	5800.	0.5
4.5C	9700.	4.0E4	3.5
4.5B	3.8E4	1.5E5	14.
4.5A	7.3E4	3.0E5	27.
4.5CL	8.8E4	3.6E5	32.
4.5a	7.3E4	3.0E5	27.
4.5b	3.8E4	1.5E5	14.
4.5c	9700.	4.0E4	3.5
4.5d	1400.	5800.	0.5
4.5e	38.	160.	< 0.1

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TABLE E3. i

ENVIRONMENTAL SAMPLING DATA (T = 02:45) (09:45)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
4.5f	5.8	24.	< 0.1
TLD8	4.1E4	1.7E5	15.
5F	3.5	14.	< 0.1
5E	82.	330.	< 0.1
5D	1100.	4300.	0.4
5C	7600.	3.1E4	2.8
5B	3.2E4	1.3E5	11.
5A	6.4E4	2.6E5	23.
5CL	7.6E4	3.1E5	28.
5a	6.4E4	2.6E5	23.
5b	3.2E4	1.3E5	11.
5c	7600.	3.1E4	2.8
5d	1100.	4400.	0.4
5e	82.	330.	< 0.1
5f	3.5	14.	< 0.1
TLD42	0.1	0.4	< 0.1
6F	0.2	0.9	< 0.1
6E	6.0	26.	< 0.1
6D	78.	330.	< 0.1
6C	750.	3200.	0.3
6B	3500.	1.4E4	1.3
6A	7500.	3.2E4	2.9
6CL	9300.	3.9E4	3.5
6a	7500.	3.2E4	2.9
6b	3500.	1.5E4	1.3
6c	750.	3200.	0.3
6d	93.	390.	< 0.1
6e	6.0	26.	< 0.1
6f	0.2	0.9	< 0.1
7B	0.1	0.1	< 0.1
7A	0.3	0.3	< 0.1
7CL	0.4	0.4	< 0.1
7a	0.3	0.3	< 0.1
7b	0.1	0.1	< 0.1
EMSCHOOL	< 0.1	< 0.1	< 0.1
8B	< 0.1	< 0.1	< 0.1
8A	0.2	0.2	< 0.1
8CL	0.3	0.3	< 0.1
BLEARZAR	0.2	0.2	< 0.1
9A	0.2	0.2	< 0.1

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TABLE E3. i

ENVIRONMENTAL SAMPLING DATA (T = 02:45) (09:45)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION		GROUND DEPOSITION
	iodine	total	
	(pCi/kg)	(pCi/kg)	(cpm/100cm2)
9CL	0.3	0.3	< 0.1
10A	0.1	0.1	< 0.1
10CL	0.2	0.2	< 0.1

OTHER SAMPLES LESS THAN MDA

TABLE E3. i

ENVIRONMENTAL SAMPLING DATA (T = 03:00) (10:00)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
.5F	1.5E4	1.5E4	1.4
.5E	7.8E4	7.8E4	7.0
.5D	2.9E5	2.9E5	26.
.5C	8.1E5	8.2E5	72.
.5B	1.5E6	1.5E6	140.
.5A	1.6E6	1.6E6	140.
.5CL	1.7E6	1.7E6	150.
.5a	1.6E6	1.6E6	140.
.5b	1.5E6	1.5E6	140.
.5c	8.1E5	8.2E5	72.
.5d	3.0E5	3.0E5	27.
.5e	8.1E4	8.1E4	7.2
.5f	1.5E4	1.5E4	1.4
WNP1	5.6E4	5.6E4	5.0
WNP1GATE	1300.	1300.	0.1
1F	2600.	2600.	0.2
1E	1.8E4	1.8E4	1.6
1D	8.7E4	8.7E4	7.7
1C	2.9E5	2.9E5	26.
1B	6.9E5	6.9E5	61.
1A	7.8E5	7.8E5	70.
1CL	8.1E5	8.1E5	72.
1a	7.8E5	7.8E5	70.
1b	6.9E5	6.9E5	62.
1c	2.9E5	2.9E5	26.
1d	8.6E4	8.6E4	7.7
1e	1.7E4	1.7E4	1.6
1.2F	1500.	1500.	0.1
1.2E	1.2E4	1.2E4	1.0
1.2D	6.0E4	6.0E4	5.3
1.2C	2.1E5	2.1E5	19.
1.2B	5.3E5	5.3E5	47.
1.2A	6.4E5	6.4E5	57.
1.2CL	6.8E5	6.8E5	60.
1.2a	6.4E5	6.4E5	57.
1.2b	5.5E5	5.5E5	49.
1.2c	2.1E5	2.1E5	19.
1.2d	6.0E4	6.0E4	5.3
1.2e	1.1E4	1.1E4	1.0
1.2f	1500.	1500.	0.1

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TABLE E3. j

ENVIRONMENTAL SAMPLING DATA (T = 03:00) (10:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
1.5F	720.	720.	< 0.1
1.5E	6400.	6400.	0.6
1.5D	3.7E4	3.7E4	3.3
1.5C	1.5E5	1.5E5	13.
1.5B	3.8E5	3.8E5	34.
1.5A	5.0E5	5.1E5	45.
1.5CL	5.2E5	5.2E5	46.
1.5a	5.1E5	5.1E5	45.
1.5b	3.8E5	3.8E5	34.
1.5c	1.5E5	1.5E5	13.
1.5d	3.7E4	3.7E4	3.3
1.5e	6400.	6400.	0.6
1.5f	720.	720.	< 0.1
TLD51	6.5E4	1.3E5	12.
2F	270.	270.	< 0.1
2E	2900.	2900.	0.3
2D	2.0E4	2.0E4	1.7
2C	8.6E4	8.6E4	7.7
2B	2.4E5	2.4E5	22.
2A	3.5E5	3.5E5	31.
2CL	3.8E5	3.8E5	34.
2a	3.5E5	3.5E5	31.
2b	2.4E5	2.4E5	22.
2c	8.6E4	8.6E4	7.7
2d	2.0E4	2.0E4	1.7
2e	2800.	2800.	0.3
2f	270.	270.	< 0.1
TLD3	6500.	6500.	0.6
2.5F	120.	240.	< 0.1
2.5E	1500.	3000.	0.3
2.5D	1.1E4	2.3E4	2.1
2.5C	5.5E4	1.1E5	10.
2.5B	1.7E5	3.5E5	31.
2.5A	2.7E5	5.5E5	49.
2.5CL	3.0E5	6.1E5	54.
2.5a	2.7E5	5.5E5	49.
2.5b	1.7E5	3.5E5	31.
2.5c	5.5E4	1.1E5	10.
2.5d	1.1E4	2.3E4	2.1
2.5e	1500.	3000.	0.3

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TABLE E3. j

ENVIRONMENTAL SAMPLING DATA (T = 03:00) (10:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
2.5f	120.	240.	< 0.1
TLD23	1.0	2.1	< 0.1
3F	59.	120.	< 0.1
3E	830.	1700.	0.2
3D	7300.	1.5E4	1.3
3C	3.9E4	7.9E4	7.0
3B	1.3E5	2.6E5	23.
3A	2.1E5	4.4E5	39.
3CL	2.4E5	4.9E5	44.
3a	2.1E5	4.4E5	39.
3b	1.3E5	2.6E5	23.
3c	3.9E4	7.9E4	7.0
3d	7300.	1.5E4	1.3
3e	830.	1700.	0.1
3f	59.	120.	< 0.1
4F	0.1	0.6	< 0.1
4E	4.0	16.	< 0.1
4D	72.	290.	< 0.1
4C	850.	3400.	0.3
4B	6000.	2.4E4	2.1
4A	2.7E4	1.1E5	9.7
4CL	3.5E4	1.4E5	12.
4a	1.2E5	4.8E5	42.
4b	1.3E5	5.2E5	46.
4c	1.1E5	4.3E5	38.
4d	5.2E4	2.1E5	19.
4e	1.4E4	5.7E4	5.1
4f	2400.	9800.	0.9
4.5F	8.5	34.	< 0.1
4.5E	170.	700.	< 0.1
4.5D	2100.	8200.	0.7
4.5C	1.4E4	5.6E4	5.0
4.5B	5.5E4	2.2E5	19.
4.5A	1.1E5	4.3E5	38.
4.5CL	1.3E5	5.1E5	45.
4.5a	1.1E5	4.3E5	38.
4.5b	5.5E4	2.2E5	19.
4.5c	1.4E4	5.7E4	5.0
4.5d	2100.	8200.	0.7
4.5e	55.	220.	< 0.1

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TABLE E3. j

ENVIRONMENTAL SAMPLING DATA (T = 03:00) (10:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
4.5f	8.5	34.	< 0.1
TLD8	5.9E4	2.4E5	21.
5F	5.1	21.	< 0.1
5E	120.	480.	< 0.1
5D	1500.	6200.	0.6
5C	1.1E4	4.4E4	3.9
5B	4.6E4	1.8E5	16.
5A	9.3E4	3.8E5	33.
5CL	1.1E5	4.5E5	40.
5a	9.3E4	3.8E5	33.
5b	4.6E4	1.8E5	16.
5c	1.1E4	4.4E4	3.9
5d	1600.	6300.	0.6
5e	120.	480.	< 0.1
5f	5.1	21.	< 0.1
TLD41	2.5	11.	< 0.1
TLD42	0.7	2.9	< 0.1
6F	1.4	6.0	< 0.1
6E	38.	170.	< 0.1
6D	500.	2200.	0.2
6C	5000.	2.2E4	1.9
6B	2.2E4	9.6E4	8.5
6A	5.0E4	2.2E5	19.
6CL	5.9E4	2.6E5	23.
6a	5.0E4	2.2E5	19.
6b	2.2E4	9.9E4	8.8
6c	5000.	2.2E4	1.9
6d	590.	2600.	0.2
6e	38.	170.	< 0.1
6f	1.4	6.1	< 0.1
7F	< 0.1	0.4	< 0.1
7E	3.0	14.	< 0.1
7D	55.	250.	< 0.1
7C	500.	2300.	0.2
7B	2500.	1.1E4	1.0
7A	6000.	2.7E4	2.4
7CL	7300.	3.2E4	2.9
7a	6000.	2.7E4	2.4
7b	2500.	1.1E4	1.0
7c	500.	2300.	0.2

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TABLE E3. j

ENVIRONMENTAL SAMPLING DATA (T = 03:00) (10:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION		GROUND DEPOSITION
	iodine	total	
	(pCi/kg)	(pCi/kg)	(cpm/100cm2)
7d	55.	250.	< 0.1
7e	3.0	14.	< 0.1
7f	< 0.1	0.4	< 0.1
EMSCHOOL	0.1	0.1	< 0.1
8B	< 0.1	< 0.1	< 0.1
8A	0.2	0.2	< 0.1
8CL	0.3	0.3	< 0.1
BLEARZAR	0.2	0.2	< 0.1
9B	0.1	0.1	< 0.1
9A	0.3	0.3	< 0.1
9CL	0.4	0.4	< 0.1
10A	0.2	0.2	< 0.1
10CL	0.3	0.3	< 0.1

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TABLE E3. j

ENVIRONMENTAL SAMPLING DATA (T = 03:15) (10:15)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
.5F	1.5E4	1.5E4	1.3
.5E	7.4E4	7.4E4	6.6
.5D	2.8E5	2.8E5	25.
.5C	7.7E5	7.7E5	69.
.5B	1.5E6	1.5E6	130.
.5A	1.5E6	1.5E6	140.
.5CL	1.6E6	1.6E6	140.
.5a	1.5E6	1.5E6	140.
.5b	1.5E6	1.5E6	130.
.5c	7.7E5	7.7E5	69.
.5d	2.8E5	2.8E5	25.
.5e	7.7E4	7.7E4	6.8
.5f	1.4E4	1.4E4	1.3
WNP1	5.3E4	5.3E4	4.7
WNP1GATE	1200.	1200.	0.1
1F	2400.	2400.	0.2
1E	1.7E4	1.7E4	1.5
1D	8.2E4	8.2E4	7.3
1C	2.7E5	2.7E5	24.
1B	6.5E5	6.5E5	58.
1A	7.4E5	7.4E5	66.
1CL	7.7E5	7.7E5	68.
1a	7.4E5	7.4E5	66.
1b	6.6E5	6.6E5	58.
1c	2.8E5	2.8E5	25.
1d	8.2E4	8.2E4	7.3
1e	1.7E4	1.7E4	1.5
1.2F	1400.	1400.	0.1
1.2E	1.1E4	1.1E4	1.0
1.2D	5.7E4	5.7E4	5.0
1.2C	2.0E5	2.0E5	18.
1.2B	5.0E5	5.0E5	44.
1.2A	6.1E5	6.1E5	54.
1.2CL	6.4E5	6.4E5	57.
1.2a	6.1E5	6.1E5	54.
1.2b	5.2E5	5.2E5	46.
1.2c	2.0E5	2.0E5	18.
1.2d	5.7E4	5.7E4	5.1
1.2e	1.1E4	1.1E4	1.0
1.2f	1400.	1400.	0.1

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TABLE E3. k

ENVIRONMENTAL SAMPLING DATA (T = 03:15) (10:15)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
1.5F	680.	680.	< 0.1
1.5E	6100.	6100.	0.5
1.5D	3.5E4	3.5E4	3.1
1.5C	1.4E5	1.4E5	12.
1.5B	3.6E5	3.6E5	32.
1.5A	4.8E5	4.8E5	43.
1.5CL	4.9E5	4.9E5	44.
1.5a	4.8E5	4.8E5	43.
1.5b	3.6E5	3.6E5	32.
1.5c	1.4E5	1.4E5	12.
1.5d	3.5E4	3.5E4	3.1
1.5e	6100.	6100.	0.5
1.5f	680.	680.	< 0.1
TLD51	6.2E4	1.0E5	9.2
2F	260.	260.	< 0.1
2E	2700.	2700.	0.2
2D	1.8E4	1.9E4	1.6
2C	8.2E4	8.2E4	7.3
2B	2.3E5	2.3E5	21.
2A	3.4E5	3.4E5	30.
2CL	3.6E5	3.6E5	32.
2a	3.4E5	3.4E5	30.
2b	2.3E5	2.3E5	21.
2c	8.2E4	8.2E4	7.3
2d	1.8E4	1.9E4	1.6
2e	2700.	2700.	0.2
2f	260.	260.	< 0.1
TLD3	6200.	6200.	0.5
2.5F	110.	190.	< 0.1
2.5E	1400.	2300.	0.2
2.5D	1.1E4	1.8E4	1.6
2.5C	5.2E4	8.8E4	7.8
2.5B	1.6E5	2.7E5	24.
2.5A	2.6E5	4.3E5	38.
2.5CL	2.8E5	4.7E5	42.
2.5a	2.6E5	4.3E5	38.
2.5b	1.6E5	2.7E5	24.
2.5c	5.2E4	8.8E4	7.8
2.5d	1.1E4	1.8E4	1.6
2.5e	1400.	2300.	0.2

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TABLE E3. k

ENVIRONMENTAL SAMPLING DATA (T = 03:15) (10:15)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
2.5f	110.	190.	< 0.1
TLD23	1.0	1.6	< 0.1
3F	56.	93.	< 0.1
3E	790.	1300.	0.1
3D	6900.	1.2E4	1.0
3C	3.7E4	6.1E4	5.4
3B	1.2E5	2.0E5	18.
3A	2.0E5	3.4E5	30.
3CL	2.3E5	3.8E5	34.
3a	2.0E5	3.4E5	30.
3b	1.2E5	2.0E5	18.
3c	3.7E4	6.1E4	5.4
3d	6900.	1.2E4	1.0
3e	790.	1300.	0.1
3f	56.	93.	< 0.1
4F	0.2	0.6	< 0.1
4E	4.5	17.	< 0.1
4D	82.	320.	< 0.1
4C	960.	3600.	0.3
4B	6700.	2.6E4	2.3
4A	3.1E4	1.2E5	11.
4CL	4.0E4	1.5E5	13.
4a	1.4E5	5.2E5	46.
4b	1.4E5	5.6E5	50.
4c	1.2E5	4.6E5	41.
4d	5.9E4	2.3E5	20.
4e	1.6E4	6.3E4	5.6
4f	2800.	1.1E4	0.9
4.5F	9.6	37.	< 0.1
4.5E	200.	760.	< 0.1
4.5D	2300.	8800.	0.8
4.5C	1.6E4	6.1E4	5.4
4.5B	6.2E4	2.4E5	21.
4.5A	1.2E5	4.7E5	41.
4.5CL	1.4E5	5.5E5	49.
4.5a	1.2E5	4.7E5	41.
4.5b	6.2E4	2.4E5	21.
4.5c	1.6E4	6.1E4	5.4
4.5d	2300.	8800.	0.8
4.5e	62.	240.	< 0.1

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TABLE E3. k

ENVIRONMENTAL SAMPLING DATA (T = 03:15) (10:15)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
4.5f	9.6	37.	< 0.1
TLD8	6.7E4	2.6E5	23.
5F	5.8	22.	< 0.1
5E	140.	520.	< 0.1
5D	1700.	6700.	0.6
5C	1.3E4	4.8E4	4.3
5B	5.2E4	2.0E5	18.
5A	1.1E5	4.1E5	36.
5CL	1.3E5	4.9E5	43.
5a	1.1E5	4.1E5	36.
5b	5.2E4	2.0E5	18.
5c	1.3E4	4.8E4	4.3
5d	1800.	6700.	0.6
5e	140.	520.	< 0.1
5f	5.8	22.	< 0.1
TLD41	16.	77.	< 0.1
TLD42	1.0	4.2	< 0.1
6F	2.0	8.6	< 0.1
6E	56.	250.	< 0.1
6D	720.	3200.	0.3
6C	7200.	3.1E4	2.8
6B	3.2E4	1.4E5	12.
6A	7.2E4	3.1E5	28.
6CL	8.6E4	3.8E5	34.
6a	7.2E4	3.1E5	28.
6b	3.2E4	1.4E5	13.
6c	7200.	3.1E4	2.8
6d	860.	3800.	0.3
6e	56.	250.	< 0.1
6f	2.0	8.9	< 0.1
7F	0.6	2.8	< 0.1
7E	20.	94.	< 0.1
7D	350.	1700.	0.1
7C	3200.	1.5E4	1.4
7B	1.6E4	7.6E4	6.8
7A	3.8E4	1.8E5	16.
7CL	4.7E4	2.2E5	20.
7a	3.8E4	1.8E5	16.
7b	1.6E4	7.6E4	6.8
7c	3200.	1.6E4	1.4

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TABLE E3. k

ENVIRONMENTAL SAMPLING DATA (T = 03:15) (10:15)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION		GROUND DEPOSITION
	iodine	total	
	(pCi/kg)	(pCi/kg)	(cpm/100cm2)
7d	350.	1700.	0.1
7e	20.	94.	< 0.1
7f	0.6	2.8	< 0.1
EMSCHOOL	2300.	1.1E4	1.0
8F	< 0.1	0.2	< 0.1
8E	1.7	7.9	< 0.1
8D	35.	160.	< 0.1
8C	350.	1700.	0.1
8B	1900.	8900.	0.8
8A	4800.	2.2E4	2.0
8CL	6000.	2.8E4	2.5
BLEARZAR	4500.	2.2E4	1.9
9B	0.1	0.1	< 0.1
9A	0.4	0.4	< 0.1
9CL	0.6	0.6	< 0.1
10B	< 0.1	< 0.1	< 0.1
10A	0.3	0.3	< 0.1
10CL	0.4	0.4	< 0.1

OTHER SAMPLES LESS THAN MDA

TABLE E3. k

ENVIRONMENTAL SAMPLING DATA (T = 03:30) (10:30)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
.5F	1.4E4	1.4E4	1.2
.5E	7.0E4	7.0E4	6.3
.5D	2.6E5	2.6E5	23.
.5C	7.3E5	7.3E5	65.
.5B	1.4E6	1.4E6	120.
.5A	1.4E6	1.4E6	130.
.5CL	1.5E6	1.5E6	130.
.5a	1.4E6	1.4E6	130.
.5b	1.4E6	1.4E6	120.
.5c	7.3E5	7.3E5	65.
.5d	2.7E5	2.7E5	24.
.5e	7.3E4	7.3E4	6.5
.5f	1.4E4	1.4E4	1.2
WNP1	5.1E4	5.1E4	4.5
WNP1GATE	1200.	1200.	0.1
1F	2300.	2300.	0.2
1E	1.6E4	1.6E4	1.4
1D	7.8E4	7.8E4	6.9
1C	2.6E5	2.6E5	23.
1B	6.2E5	6.2E5	55.
1A	7.0E5	7.0E5	63.
1CL	7.3E5	7.3E5	65.
1a	7.0E5	7.0E5	63.
1b	6.2E5	6.2E5	55.
1c	2.6E5	2.6E5	23.
1d	7.7E4	7.7E4	6.9
1e	1.6E4	1.6E4	1.4
1.2F	1300.	1300.	0.1
1.2E	1.0E4	1.0E4	0.9
1.2D	5.4E4	5.4E4	4.8
1.2C	1.9E5	1.9E5	17.
1.2B	4.7E5	4.7E5	42.
1.2A	5.8E5	5.8E5	51.
1.2CL	6.1E5	6.1E5	54.
1.2a	5.8E5	5.8E5	51.
1.2b	4.9E5	4.9E5	44.
1.2c	1.9E5	1.9E5	17.
1.2d	5.4E4	5.4E4	4.8
1.2e	1.0E4	1.0E4	0.9
1.2f	1300.	1300.	0.1

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TABLE E3. 1

ENVIRONMENTAL SAMPLING DATA (T = 03:30) (10:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
1.5F	650.	650.	< 0.1
1.5E	5700.	5800.	0.5
1.5D	3.3E4	3.3E4	3.0
1.5C	1.3E5	1.3E5	12.
1.5B	3.4E5	3.4E5	31.
1.5A	4.5E5	4.5E5	40.
1.5CL	4.7E5	4.7E5	42.
1.5a	4.6E5	4.6E5	40.
1.5b	3.4E5	3.4E5	31.
1.5c	1.3E5	1.3E5	12.
1.5d	3.3E4	3.3E4	3.0
1.5e	5700.	5800.	0.5
1.5f	650.	650.	< 0.1
TLD51	5.9E4	8.5E4	7.6
2F	240.	240.	< 0.1
2E	2600.	2600.	0.2
2D	1.8E4	1.8E4	1.6
2C	7.7E4	7.7E4	6.9
2B	2.2E5	2.2E5	20.
2A	3.2E5	3.2E5	28.
2CL	3.4E5	3.4E5	31.
2a	3.2E5	3.2E5	28.
2b	2.2E5	2.2E5	20.
2c	7.7E4	7.7E4	6.9
2d	1.8E4	1.8E4	1.6
2e	2500.	2600.	0.2
2f	240.	240.	< 0.1
TLD3	5800.	5800.	0.5
2.5F	110.	150.	< 0.1
2.5E	1300.	1900.	0.2
2.5D	1.0E4	1.5E4	1.3
2.5C	5.0E4	7.3E4	6.5
2.5B	1.5E5	2.2E5	20.
2.5A	2.4E5	3.5E5	31.
2.5CL	2.7E5	3.9E5	35.
2.5a	2.4E5	3.5E5	31.
2.5b	1.5E5	2.2E5	20.
2.5c	5.0E4	7.3E4	6.5
2.5d	1.0E4	1.5E4	1.3
2.5e	1300.	1900.	0.2

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TABLE E3. 1

ENVIRONMENTAL SAMPLING DATA (T = 03:30) (10:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
2.5f	110.	150.	< 0.1
TLD23	0.9	1.3	< 0.1
3F	53.	77.	< 0.1
3E	750.	1100.	< 0.1
3D	6600.	9600.	0.8
3C	3.5E4	5.1E4	4.5
3B	1.1E5	1.7E5	15.
3A	1.9E5	2.8E5	25.
3CL	2.2E5	3.2E5	28.
3a	1.9E5	2.8E5	25.
3b	1.2E5	1.7E5	15.
3c	3.5E4	5.1E4	4.5
3d	6600.	9500.	0.8
3e	750.	1100.	< 0.1
3f	53.	77.	< 0.1
4F	0.2	0.5	< 0.1
4E	4.4	13.	< 0.1
4D	79.	240.	< 0.1
4C	920.	2800.	0.2
4B	6500.	2.0E4	1.8
4A	3.0E4	9.1E4	8.1
4CL	3.8E4	1.2E5	10.
4a	1.3E5	4.0E5	35.
4b	1.4E5	4.3E5	38.
4c	1.2E5	3.6E5	32.
4d	5.6E4	1.8E5	16.
4e	1.6E4	4.8E4	4.3
4f	2700.	8100.	0.7
4.5F	9.3	28.	< 0.1
4.5E	190.	580.	< 0.1
4.5D	2300.	6800.	0.6
4.5C	1.5E4	4.7E4	4.2
4.5B	6.0E4	1.8E5	16.
4.5A	1.2E5	3.6E5	32.
4.5CL	1.4E5	4.2E5	38.
4.5a	1.2E5	3.6E5	32.
4.5b	6.0E4	1.8E5	16.
4.5c	1.5E4	4.7E4	4.2
4.5d	2300.	6800.	0.6
4.5e	60.	180.	< 0.1

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TABLE E3. 1

ENVIRONMENTAL SAMPLING DATA (T = 03:30) (10:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
4.5f	9.3	28.	< 0.1
TLD8	6.4E4	2.0E5	17.
5F	5.6	17.	< 0.1
5E	130.	400.	< 0.1
5D	1700.	5100.	0.5
5C	1.2E4	3.7E4	3.3
5B	5.0E4	1.5E5	14.
5A	1.0E5	3.1E5	28.
5CL	1.2E5	3.7E5	33.
5a	1.0E5	3.1E5	28.
5b	5.0E4	1.5E5	14.
5c	1.2E4	3.7E4	3.3
5d	1700.	5200.	0.5
5e	130.	400.	< 0.1
5f	5.6	17.	< 0.1
TLD41	24.	110.	< 0.1
TLD42	1.1	4.6	< 0.1
6F	2.3	9.5	< 0.1
6E	64.	280.	< 0.1
6D	810.	3500.	0.3
6C	8100.	3.4E4	3.0
6B	3.6E4	1.5E5	14.
6A	8.1E4	3.4E5	31.
6CL	9.7E4	4.2E5	37.
6a	8.1E4	3.4E5	30.
6b	3.6E4	1.5E5	14.
6c	8100.	3.4E4	3.0
6d	970.	4200.	0.4
6e	64.	280.	< 0.1
6f	2.3	9.7	< 0.1
7F	0.9	4.0	< 0.1
7E	29.	140.	< 0.1
7D	520.	2400.	0.2
7C	4700.	2.3E4	2.0
7B	2.4E4	1.1E5	9.8
7A	5.6E4	2.6E5	23.
7CL	6.9E4	3.3E5	29.
7a	5.6E4	2.6E5	23.
7b	2.4E4	1.1E5	9.8
7c	4700.	2.3E4	2.0

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TABLE E3. 1

ENVIRONMENTAL SAMPLING DATA (T = 03:30) (10:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
7d	520.	2400.	0.2
7e	29.	140.	< 0.1
7f	0.9	4.0	< 0.1
EMSCHOOL	1.5E4	7.3E4	6.5
8F	0.3	1.3	< 0.1
8E	11.	55.	< 0.1
8D	230.	1100.	< 0.1
8C	2300.	1.1E4	1.0
8B	1.2E4	5.9E4	5.3
8A	3.2E4	1.5E5	14.
8CL	3.8E4	1.9E5	17.
BLEARZAR	2.9E4	1.5E5	13.
9E	1.0	4.7	< 0.1
9D	23.	110.	< 0.1
9C	250.	1200.	0.1
9B	1500.	7200.	0.6
9A	4000.	1.9E4	1.7
9CL	5000.	2.5E4	2.2
10B	0.1	0.1	< 0.1
10A	0.3	0.3	< 0.1
10CL	0.5	0.5	< 0.1

OTHER SAMPLES LESS THAN MDA

TABLE E3. 1

ENVIRONMENTAL SAMPLING DATA (T = 03:45) (10:45)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
.5F	1.3E4	1.3E4	1.2
.5E	6.7E4	6.7E4	5.9
.5D	2.5E5	2.5E5	22.
.5C	6.9E5	7.0E5	62.
.5B	1.3E6	1.3E6	120.
.5A	1.4E6	1.4E6	120.
.5CL	1.4E6	1.4E6	130.
.5a	1.4E6	1.4E6	120.
.5b	1.3E6	1.3E6	120.
.5c	6.9E5	7.0E5	62.
.5d	2.6E5	2.6E5	23.
.5e	6.9E4	6.9E4	6.1
.5f	1.3E4	1.3E4	1.2
WNP1	4.8E4	4.8E4	4.3
WNP1GATE	1100.	1100.	< 0.1
1F	2200.	2200.	0.2
1E	1.5E4	1.5E4	1.3
1D	7.4E4	7.4E4	6.6
1C	2.5E5	2.5E5	22.
1B	5.9E5	5.9E5	52.
1A	6.7E5	6.7E5	59.
1CL	6.9E5	6.9E5	61.
1a	6.7E5	6.7E5	59.
1b	5.9E5	5.9E5	52.
1c	2.5E5	2.5E5	22.
1d	7.4E4	7.4E4	6.5
1e	1.5E4	1.5E4	1.3
1.2F	1200.	1200.	0.1
1.2E	9900.	9900.	0.9
1.2D	5.1E4	5.1E4	4.5
1.2C	1.8E5	1.8E5	16.
1.2B	4.5E5	4.5E5	40.
1.2A	5.5E5	5.5E5	49.
1.2CL	5.8E5	5.8E5	51.
1.2a	5.5E5	5.5E5	49.
1.2b	4.7E5	4.7E5	42.
1.2c	1.8E5	1.8E5	16.
1.2d	5.1E4	5.1E4	4.6
1.2e	9700.	9700.	0.9
1.2f	1200.	1200.	0.1

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TABLE E3. m

ENVIRONMENTAL SAMPLING DATA (T = 03:45) (10:45)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
1.5F	620.	620.	< 0.1
1.5E	5500.	5500.	0.5
1.5D	3.2E4	3.2E4	2.8
1.5C	1.2E5	1.2E5	11.
1.5B	3.3E5	3.3E5	29.
1.5A	4.3E5	4.3E5	38.
1.5CL	4.4E5	4.4E5	39.
1.5a	4.3E5	4.3E5	38.
1.5b	3.3E5	3.3E5	29.
1.5c	1.2E5	1.2E5	11.
1.5d	3.2E4	3.2E4	2.8
1.5e	5500.	5500.	0.5
1.5f	620.	620.	< 0.1
TLD51	5.6E4	7.4E4	6.5
2F	230.	230.	< 0.1
2E	2400.	2400.	0.2
2D	1.7E4	1.7E4	1.5
2C	7.4E4	7.4E4	6.5
2B	2.1E5	2.1E5	19.
2A	3.0E5	3.0E5	27.
2CL	3.3E5	3.3E5	29.
2a	3.0E5	3.0E5	27.
2b	2.1E5	2.1E5	19.
2c	7.4E4	7.4E4	6.5
2d	1.7E4	1.7E4	1.5
2e	2400.	2400.	0.2
2f	230.	230.	< 0.1
TLD3	5600.	5600.	0.5
2.5F	100.	130.	< 0.1
2.5E	1300.	1700.	0.1
2.5D	9800.	1.3E4	1.2
2.5C	4.7E4	6.3E4	5.6
2.5B	1.5E5	1.9E5	17.
2.5A	2.3E5	3.1E5	27.
2.5CL	2.6E5	3.4E5	30.
2.5a	2.3E5	3.1E5	27.
2.5b	1.5E5	1.9E5	17.
2.5c	4.7E4	6.3E4	5.6
2.5d	9800.	1.3E4	1.1
2.5e	1300.	1700.	0.1

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TABLE E3. m

ENVIRONMENTAL SAMPLING DATA (T = 03:45) (10:45)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
2.5f	100.	130.	< 0.1
TLD23	0.9	1.1	< 0.1
3F	50.	66.	< 0.1
3E	710.	940.	< 0.1
3D	6300.	8300.	0.7
3C	3.3E4	4.4E4	3.9
3B	1.1E5	1.4E5	13.
3A	1.8E5	2.4E5	22.
3CL	2.1E5	2.7E5	24.
3a	1.8E5	2.4E5	22.
3b	1.1E5	1.5E5	13.
3c	3.3E4	4.4E4	3.9
3d	6200.	8200.	0.7
3e	710.	940.	< 0.1
3f	50.	66.	< 0.1
4F	0.1	0.4	< 0.1
4E	4.2	10.	< 0.1
4D	75.	190.	< 0.1
4C	880.	2200.	0.2
4B.	6200.	1.5E4	1.4
4A	2.8E4	7.0E4	6.2
4CL	3.6E4	8.9E4	7.9
4a	1.2E5	3.1E5	27.
4b	1.3E5	3.3E5	29.
4c	1.1E5	2.7E5	24.
4d	5.4E4	1.3E5	12.
4e	1.5E4	3.7E4	3.3
4f	2500.	6200.	0.6
4.5F	8.8	22.	< 0.1
4.5E	180.	450.	< 0.1
4.5D	2100.	5200.	0.5
4.5C	1.5E4	3.6E4	3.2
4.5B	5.7E4	1.4E5	12.
4.5A	1.1E5	2.7E5	24.
4.5CL	1.3E5	3.2E5	29.
4.5a	1.1E5	2.7E5	24.
4.5b	5.7E4	1.4E5	12.
4.5c	1.5E4	3.6E4	3.2
4.5d	2100.	5200.	0.5
4.5e	57.	140.	< 0.1

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TABLE E3. m

ENVIRONMENTAL SAMPLING DATA (T = 03:45) (10:45)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
4.5f	8.8	22.	< 0.1
TLD8	6.1E4	1.5E5	13.
5F	5.3	13.	< 0.1
5E	120.	300.	< 0.1
5D	1600.	3900.	0.3
5C	1.2E4	2.8E4	2.5
5B	4.8E4	1.2E5	10.
5A	9.7E4	2.4E5	21.
5CL	1.2E5	2.9E5	25.
5a	9.7E4	2.4E5	21.
5b	4.8E4	1.2E5	10.
5c	1.2E4	2.8E4	2.5
5d	1600.	4000.	0.4
5e	120.	300.	< 0.1
5f	5.3	13.	< 0.1
TLD41	27.	120.	< 0.1
TLD42	1.0	3.6	< 0.1
6F	2.2	7.5	< 0.1
6E	61.	220.	< 0.1
6D	790.	2700.	0.2
6C	7800.	2.7E4	2.4
6B	3.5E4	1.2E5	11.
6A	7.8E4	2.7E5	24.
6CL	9.4E4	3.3E5	29.
6a	7.8E4	2.7E5	24.
6b	3.5E4	1.2E5	11.
6c	7800.	2.7E4	2.4
6d	940.	3300.	0.3
6e	61.	220.	< 0.1
6f	2.2	7.6	< 0.1
7F	1.0	4.5	< 0.1
7E	33.	150.	< 0.1
7D	590.	2700.	0.2
7C	5400.	2.5E4	2.2
7B	2.7E4	1.2E5	11.
7A	6.3E4	2.9E5	26.
7CL	7.8E4	3.6E5	32.
7a	6.3E4	2.9E5	26.
7b	2.7E4	1.2E5	11.
7c	5400.	2.5E4	2.2

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TABLE E3. m

ENVIRONMENTAL SAMPLING DATA (T = 03:45) (10:45)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
7d	590.	2700.	0.2
7e	33.	150.	< 0.1
7f	1.0	4.5	< 0.1
EMSCHOOL	2.2E4	1.1E5	9.6
8F	0.4	2.0	< 0.1
8E	16.	81.	< 0.1
8D	330.	1700.	0.1
8C	3400.	1.7E4	1.5
8B	1.8E4	9.0E4	8.0
8A	4.6E4	2.3E5	20.
8CL	5.6E4	2.9E5	25.
BLEARZAR	4.3E4	2.2E5	19.
9F	0.2	0.8	< 0.1
9E	7.4	37.	< 0.1
9D	170.	860.	< 0.1
9C	1900.	9900.	0.9
9B	1.1E4	5.5E4	4.9
9A	2.9E4	1.5E5	13.
9CL	3.7E4	1.9E5	17.
10C	200.	970.	< 0.1
10B	1200.	5900.	0.5
10A	3300.	1.6E4	1.5
10CL	4300.	2.2E4	1.9

OTHER SAMPLES LESS THAN MDA

TABLE E3. m

ENVIRONMENTAL SAMPLING DATA (T = 04:00) (11:00)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
.5F	1.3E4	1.3E4	1.1
.5E	6.4E4	6.4E4	5.7
.5D	2.4E5	2.4E5	21.
.5C	6.6E5	6.6E5	59.
.5B	1.3E6	1.3E6	110.
.5A	1.3E6	1.3E6	120.
.5CL	1.3E6	1.3E6	120.
.5a	1.3E6	1.3E6	120.
.5b	1.3E6	1.3E6	110.
.5c	6.6E5	6.6E5	59.
.5d	2.4E5	2.4E5	22.
.5e	6.6E4	6.6E4	5.8
.5f	1.2E4	1.2E4	1.1
WNP1	4.6E4	4.6E4	4.1
WNP1GATE	1100.	1100.	< 0.1
1F	2100.	2100.	0.2
1E	1.4E4	1.4E4	1.3
1D	7.0E4	7.0E4	6.3
1C	2.3E5	2.3E5	21.
1B	5.6E5	5.6E5	50.
1A	6.4E5	6.4E5	57.
1CL	6.6E5	6.6E5	58.
1a	6.4E5	6.4E5	57.
1b	5.6E5	5.6E5	50.
1c	2.4E5	2.4E5	21.
1d	7.0E4	7.0E4	6.2
1e	1.4E4	1.4E4	1.3
1.2F	1200.	1200.	0.1
1.2E	9400.	9400.	0.8
1.2D	4.9E4	4.9E4	4.3
1.2C	1.7E5	1.7E5	15.
1.2B	4.3E5	4.3E5	38.
1.2A	5.2E5	5.2E5	46.
1.2CL	5.5E5	5.5E5	49.
1.2a	5.2E5	5.2E5	46.
1.2b	4.5E5	4.5E5	40.
1.2c	1.7E5	1.7E5	15.
1.2d	4.9E4	4.9E4	4.3
1.2e	9200.	9200.	0.8
1.2f	1200.	1200.	0.1

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TABLE E3. n

ENVIRONMENTAL SAMPLING DATA (T = 04:00) (11:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
1.5F	590.	590.	< 0.1
1.5E	5200.	5200.	0.5
1.5D	3.0E4	3.0E4	2.7
1.5C	1.2E5	1.2E5	10.
1.5B	3.1E5	3.1E5	28.
1.5A	4.1E5	4.1E5	36.
1.5CL	4.2E5	4.2E5	38.
1.5a	4.1E5	4.1E5	37.
1.5b	3.1E5	3.1E5	28.
1.5c	1.2E5	1.2E5	10.
1.5d	3.0E4	3.0E4	2.7
1.5e	5200.	5200.	0.5
1.5f	590.	590.	< 0.1
TLD51	5.3E4	6.6E4	5.8
2F	220.	220.	< 0.1
2E	2300.	2300.	0.2
2D	1.6E4	1.6E4	1.4
2C	7.0E4	7.0E4	6.2
2B	2.0E5	2.0E5	18.
2A	2.9E5	2.9E5	26.
2CL	3.1E5	3.1E5	28.
2a	2.9E5	2.9E5	26.
2b	2.0E5	2.0E5	18.
2c	7.0E4	7.0E4	6.2
2d	1.6E4	1.6E4	1.4
2e	2300.	2300.	0.2
2f	220.	220.	< 0.1
TLD3	5300.	5300.	0.5
2.5F	96.	120.	< 0.1
2.5E	1200.	1500.	0.1
2.5D	9300.	1.2E4	1.0
2.5C	4.5E4	5.6E4	5.0
2.5B	1.4E5	1.7E5	15.
2.5A	2.2E5	2.7E5	24.
2.5CL	2.4E5	3.0E5	27.
2.5a	2.2E5	2.7E5	24.
2.5b	1.4E5	1.7E5	15.
2.5c	4.5E4	5.6E4	5.0
2.5d	9300.	1.1E4	1.0
2.5e	1200.	1500.	0.1

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TABLE E3. n

ENVIRONMENTAL SAMPLING DATA (T = 04:00) (11:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
2.5f	96.	120.	< 0.1
TLD23	0.8	1.0	< 0.1
3F	48.	59.	< 0.1
3E	680.	840.	< 0.1
3D	6000.	7400.	0.7
3C	3.1E4	3.9E4	3.5
3B	1.0E5	1.3E5	11.
3A	1.7E5	2.2E5	19.
3CL	2.0E5	2.4E5	22.
3a	1.7E5	2.2E5	19.
3b	1.0E5	1.3E5	12.
3c	3.1E4	3.9E4	3.5
3d	5900.	7300.	0.7
3e	680.	840.	< 0.1
3f	48.	59.	< 0.1
4F	0.1	0.3	< 0.1
4E	4.0	8.2	< 0.1
4D	71.	150.	< 0.1
4C	840.	1700.	0.2
4B	5900.	1.2E4	1.1
4A	2.7E4	5.6E4	5.0
4CL	3.5E4	7.1E4	6.3
4a	1.2E5	2.4E5	22.
4b	1.3E5	2.6E5	23.
4c	1.0E5	2.2E5	19.
4d	5.1E4	1.1E5	9.5
4e	1.4E4	3.0E4	2.6
4f	2400.	5000.	0.4
4.5F	8.4	17.	< 0.1
4.5E	170.	360.	< 0.1
4.5D	2000.	4200.	0.4
4.5C	1.4E4	2.9E4	2.5
4.5B	5.4E4	1.1E5	9.9
4.5A	1.1E5	2.2E5	20.
4.5CL	1.3E5	2.6E5	23.
4.5a	1.1E5	2.2E5	20.
4.5b	5.4E4	1.1E5	9.9
4.5c	1.4E4	2.9E4	2.6
4.5d	2000.	4200.	0.4
4.5e	54.	110.	< 0.1

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TABLE E3. n

ENVIRONMENTAL SAMPLING DATA (T = 04:00) (11:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
4.5f	8.4	17.	< 0.1
TLD8	5.8E4	1.2E5	11.
5F	5.0	11.	< 0.1
5E	120.	240.	< 0.1
5D	1500.	3100.	0.3
5C	1.1E4	2.3E4	2.0
5B	4.5E4	9.4E4	8.3
5A	9.2E4	1.9E5	17.
5CL	1.1E5	2.3E5	20.
5a	9.2E4	1.9E5	17.
5b	4.5E4	9.4E4	8.3
5c	1.1E4	2.3E4	2.0
5d	1500.	3200.	0.3
5e	120.	240.	< 0.1
5f	5.0	11.	< 0.1
TLD41	26.	99.	< 0.1
TLD42	1.0	2.8	< 0.1
6F	2.1	5.8	< 0.1
6E	58.	170.	< 0.1
6D	750.	2100.	0.2
6C	7500.	2.1E4	1.9
6B	3.3E4	9.3E4	8.3
6A	7.5E4	2.1E5	19.
6CL	8.9E4	2.5E5	22.
6a	7.5E4	2.1E5	19.
6b	3.3E4	9.4E4	8.3
6c	7400.	2.1E4	1.8
6d	890.	2500.	0.2
6e	58.	170.	< 0.1
6f	2.1	5.9	< 0.1
7F	0.9	3.6	< 0.1
7E	32.	120.	< 0.1
7D	570.	2200.	0.2
7C	5200.	2.0E4	1.8
7B	2.6E4	9.8E4	8.7
7A	6.1E4	2.3E5	21.
7CL	7.5E4	2.9E5	26.
7a	6.1E4	2.3E5	21.
7b	2.6E4	9.8E4	8.7
7c	5200.	2.0E4	1.8

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TABLE E3. n

ENVIRONMENTAL SAMPLING DATA (T = 04:00) (11:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
7d	570.	2200.	0.2
7e	32.	120.	< 0.1
7f	0.9	3.6	< 0.1
EMSCHOOL	2.5E4	1.2E5	11.
8F	0.4	2.2	< 0.1
8E	19.	91.	< 0.1
8D	370.	1800.	0.2
8C	3900.	1.9E4	1.7
8B	2.0E4	1.0E5	8.9
8A	5.2E4	2.6E5	23.
8CL	6.4E4	3.2E5	29.
BLEARZAR	4.9E4	2.5E5	22.
9F	0.3	1.7	< 0.1
9E	17.	85.	< 0.1
9D	390.	2000.	0.2
9C	4300.	2.3E4	2.0
9B	2.5E4	1.3E5	11.
9A	6.5E4	3.4E5	31.
9CL	8.5E4	4.4E5	39.
10C	1500.	7500.	0.7
10B	8900.	4.7E4	4.2
10A	2.5E4	1.3E5	11.
10CL	3.2E4	1.7E5	15.

OTHER SAMPLES LESS THAN MDA

TABLE E3. n

ENVIRONMENTAL SAMPLING DATA (T = 04:15) (11:15)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION		GROUND DEPOSITION
	iodine	total	
	(pCi/kg)	(pCi/kg)	(cpm/100cm2)
.5F	1.2E4	1.2E4	1.1
.5E	6.1E4	6.1E4	5.4
.5D	2.3E5	2.3E5	20.
.5C	6.3E5	6.3E5	56.
.5B	1.2E6	1.2E6	110.
.5A	1.2E6	1.2E6	110.
.5CL	1.3E6	1.3E6	110.
.5a	1.2E6	1.2E6	110.
.5b	1.2E6	1.2E6	110.
.5c	6.3E5	6.3E5	56.
.5d	2.3E5	2.3E5	21.
.5e	6.3E4	6.3E4	5.6
.5f	1.2E4	1.2E4	1.0
WNP1	4.4E4	4.4E4	3.9
WNP1GATE	1000.	1000.	< 0.1
1F	2000.	2000.	0.2
1E	1.4E4	1.4E4	1.2
1D	6.7E4	6.7E4	6.0
1C	2.2E5	2.2E5	20.
1B	5.3E5	5.3E5	47.
1A	6.1E5	6.1E5	54.
1CL	6.3E5	6.3E5	56.
1a	6.1E5	6.1E5	54.
1b	5.4E5	5.4E5	48.
1c	2.3E5	2.3E5	20.
1d	6.7E4	6.7E4	5.9
1e	1.4E4	1.4E4	1.2
1.2F	1100.	1100.	< 0.1
1.2E	9000.	9000.	0.8
1.2D	4.6E4	4.6E4	4.1
1.2C	1.7E5	1.7E5	15.
1.2B	4.1E5	4.1E5	36.
1.2A	5.0E5	5.0E5	44.
1.2CL	5.2E5	5.2E5	47.
1.2a	5.0E5	5.0E5	44.
1.2b	4.2E5	4.2E5	38.
1.2c	1.7E5	1.7E5	15.
1.2d	4.7E4	4.7E4	4.1
1.2e	8800.	8800.	0.8
1.2f	1100.	1100.	< 0.1

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TABLE E3. o

ENVIRONMENTAL SAMPLING DATA (T = 04:15) (11:15)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
1.5F	560.	560.	< 0.1
1.5E	5000.	5000.	0.4
1.5D	2.9E4	2.9E4	2.6
1.5C	1.1E5	1.1E5	10.
1.5B	3.0E5	3.0E5	26.
1.5A	3.9E5	3.9E5	35.
1.5CL	4.0E5	4.0E5	36.
1.5a	3.9E5	3.9E5	35.
1.5b	3.0E5	3.0E5	26.
1.5c	1.1E5	1.1E5	10.
1.5d	2.9E4	2.9E4	2.6
1.5e	5000.	5000.	0.4
1.5f	560.	560.	< 0.1
TLD51	5.1E4	5.9E4	5.3
2F	210.	210.	< 0.1
2E	2200.	2200.	0.2
2D	1.5E4	1.5E4	1.3
2C	6.7E4	6.7E4	5.9
2B	1.9E5	1.9E5	17.
2A	2.7E5	2.7E5	24.
2CL	3.0E5	3.0E5	26.
2a	2.7E5	2.7E5	24.
2b	1.9E5	1.9E5	17.
2c	6.7E4	6.7E4	5.9
2d	1.5E4	1.5E4	1.3
2e	2200.	2200.	0.2
2f	210.	210.	< 0.1
TLD3	5000.	5000.	0.4
2.5F	91.	110.	< 0.1
2.5E	1100.	1300.	0.1
2.5D	8900.	1.0E4	0.9
2.5C	4.3E4	5.1E4	4.5
2.5B	1.3E5	1.6E5	14.
2.5A	2.1E5	2.5E5	22.
2.5CL	2.3E5	2.7E5	24.
2.5a	2.1E5	2.5E5	22.
2.5b	1.3E5	1.6E5	14.
2.5c	4.3E4	5.1E4	4.5
2.5d	8900.	1.0E4	0.9
2.5e	1100.	1300.	0.1

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TABLE E3. o

ENVIRONMENTAL SAMPLING DATA (T = 04:15) (11:15)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION		GROUND DEPOSITION
	iodine	total	
	(pCi/kg)	(pCi/kg)	(cpm/100cm2)
2.5f	91.	110.	< 0.1
TLD23	0.8	0.9	< 0.1
3F	46.	53.	< 0.1
3E	650.	760.	< 0.1
3D	5700.	6700.	0.6
3C	3.0E4	3.5E4	3.1
3B	9.8E4	1.2E5	10.
3A	1.7E5	2.0E5	17.
3CL	1.9E5	2.2E5	20.
3a	1.7E5	2.0E5	17.
3b	1.0E5	1.2E5	10.
3c	3.0E4	3.5E4	3.1
3d	5700.	6700.	0.6
3e	640.	760.	< 0.1
3f	46.	53.	< 0.1
4F	0.1	0.2	< 0.1
4E	3.8	6.8	< 0.1
4D	68.	120.	< 0.1
4C	800.	1400.	0.1
4B	5600.	1.0E4	0.9
4A	2.6E4	4.6E4	4.1
4CL	3.3E4	5.9E4	5.3
4a	1.1E5	2.0E5	18.
4b	1.2E5	2.2E5	19.
4c	1.0E5	1.8E5	16.
4d	4.9E4	8.9E4	7.9
4e	1.4E4	2.5E4	2.2
4f	2300.	4100.	0.4
4.5F	8.0	14.	< 0.1
4.5E	160.	300.	< 0.1
4.5D	2000.	3500.	0.3
4.5C	1.3E4	2.4E4	2.1
4.5B	5.1E4	9.3E4	8.2
4.5A	1.0E5	1.8E5	16.
4.5CL	1.2E5	2.2E5	19.
4.5a	1.0E5	1.8E5	16.
4.5b	5.1E4	9.3E4	8.2
4.5c	1.3E4	2.4E4	2.1
4.5d	2000.	3500.	0.3
4.5e	52.	93.	< 0.1

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TABLE E3. o

ENVIRONMENTAL SAMPLING DATA (T = 04:15) (11:15)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
4.5f	8.0	14.	< 0.1
TLD8	5.5E4	1.0E5	8.9
5F	4.8	8.7	< 0.1
5E	110.	200.	< 0.1
5D	1400.	2600.	0.2
5C	1.0E4	1.9E4	1.7
5B	4.3E4	7.8E4	6.9
5A	8.8E4	1.6E5	14.
5CL	1.1E5	1.9E5	17.
5a	8.8E4	1.6E5	14.
5b	4.3E4	7.8E4	6.9
5c	1.0E4	1.9E4	1.7
5d	1500.	2600.	0.2
5e	110.	200.	< 0.1
5f	4.8	8.7	< 0.1
TLD41	25.	77.	< 0.1
TLD42	1.0	2.2	< 0.1
6F	2.0	4.6	< 0.1
6E	56.	130.	< 0.1
6D	710.	1700.	0.1
6C	7100.	1.7E4	1.5
6B	3.2E4	7.4E4	6.6
6A	7.1E4	1.7E5	15.
6CL	8.5E4	2.0E5	18.
6a	7.1E4	1.7E5	15.
6b	3.2E4	7.5E4	6.6
6c	7100.	1.7E4	1.5
6d	850.	2000.	0.2
6e	56.	130.	< 0.1
6f	2.0	4.7	< 0.1
7F	0.9	2.8	< 0.1
7E	31.	95.	< 0.1
7D	540.	1700.	0.1
7C	5000.	1.6E4	1.4
7B	2.5E4	7.6E4	6.7
7A	5.8E4	1.8E5	16.
7CL	7.2E4	2.2E5	20.
7a	5.8E4	1.8E5	16.
7b	2.5E4	7.6E4	6.7
7c	5000.	1.6E4	1.4

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TABLE E3. o

ENVIRONMENTAL SAMPLING DATA (T = 04:15) (11:15)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION		GROUND DEPOSITION
	iodine	total	
	(pCi/kg)	(pCi/kg)	(cpm/100cm2)
7d	540.	1700.	0.1
7e	31.	95.	< 0.1
7f	0.9	2.8	< 0.1
EMSCHOOL	2.4E4	9.8E4	8.7
8F	0.4	1.8	< 0.1
8E	18.	73.	< 0.1
8D	360.	1500.	0.1
8C	3700.	1.5E4	1.4
8B	2.0E4	8.1E4	7.2
8A	5.1E4	2.0E5	18.
8CL	6.2E4	2.6E5	23.
BLEARZAR	4.8E4	2.0E5	17.
9F	0.6	2.9	< 0.1
9E	28.	140.	< 0.1
9D	650.	3300.	0.3
9C	7100.	3.7E4	3.3
9B	4.1E4	2.1E5	19.
9A	1.1E5	5.5E5	49.
9CL	1.4E5	7.2E5	64.
10C	3300.	1.7E4	1.5
10B	2.0E4	1.1E5	9.5
10A	5.6E4	3.0E5	26.
10CL	7.3E4	3.9E5	35.

OTHER SAMPLES LESS THAN MDA

TABLE E3. o

ENVIRONMENTAL SAMPLING DATA (T = 04:30) (11:30)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
.5F	1.1E4	1.1E4	1.0
.5E	5.8E4	5.8E4	5.1
.5D	2.2E5	2.2E5	19.
.5C	6.0E5	6.0E5	53.
.5B	1.1E6	1.1E6	100.
.5A	1.2E6	1.2E6	110.
.5CL	1.2E6	1.2E6	110.
.5a	1.2E6	1.2E6	110.
.5b	1.1E6	1.1E6	100.
.5c	6.0E5	6.0E5	53.
.5d	2.2E5	2.2E5	20.
.5e	6.0E4	6.0E4	5.3
.5f	1.1E4	1.1E4	1.0
WNP1	4.2E4	4.2E4	3.7
WNP1GATE	960.	960.	< 0.1
1F	1900.	1900.	0.2
1E	1.3E4	1.3E4	1.2
1D	6.4E4	6.4E4	5.7
1C	2.1E5	2.1E5	19.
1B	5.1E5	5.1E5	45.
1A	5.8E5	5.8E5	51.
1CL	6.0E5	6.0E5	53.
1a	5.8E5	5.8E5	51.
1b	5.1E5	5.1E5	45.
1c	2.2E5	2.2E5	19.
1d	6.4E4	6.4E4	5.7
1e	1.3E4	1.3E4	1.1
1.2F	1100.	1100.	< 0.1
1.2E	8600.	8600.	0.8
1.2D	4.4E4	4.4E4	3.9
1.2C	1.6E5	1.6E5	14.
1.2B	3.9E5	3.9E5	35.
1.2A	4.7E5	4.8E5	42.
1.2CL	5.0E5	5.0E5	44.
1.2a	4.7E5	4.8E5	42.
1.2b	4.1E5	4.1E5	36.
1.2c	1.6E5	1.6E5	14.
1.2d	4.4E4	4.4E4	3.9
1.2e	8400.	8400.	0.7
1.2f	1100.	1100.	< 0.1

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TABLE E3. p

ENVIRONMENTAL SAMPLING DATA (T = 04:30) (11:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION		GROUND DEPOSITION
	iodine	total	
	(pCi/kg)	(pCi/kg)	(cpm/100cm2)
1.5F	530.	530.	< 0.1
1.5E	4700.	4700.	0.4
1.5D	2.8E4	2.8E4	2.4
1.5C	1.1E5	1.1E5	9.5
1.5B	2.8E5	2.8E5	25.
1.5A	3.7E5	3.7E5	33.
1.5CL	3.8E5	3.8E5	34.
1.5a	3.8E5	3.8E5	33.
1.5b	2.8E5	2.8E5	25.
1.5c	1.1E5	1.1E5	9.5
1.5d	2.8E4	2.8E4	2.4
1.5e	4700.	4700.	0.4
1.5f	530.	530.	< 0.1
TLD51	4.8E4	5.5E4	4.8
2F	200.	200.	< 0.1
2E	2100.	2100.	0.2
2D	1.4E4	1.4E4	1.3
2C	6.4E4	6.4E4	5.7
2B	1.8E5	1.8E5	16.
2A	2.6E5	2.6E5	23.
2CL	2.8E5	2.8E5	25.
2a	2.6E5	2.6E5	23.
2b	1.8E5	1.8E5	16.
2c	6.4E4	6.4E4	5.7
2d	1.4E4	1.4E4	1.3
2e	2100.	2100.	0.2
2f	200.	200.	< 0.1
TLD3	4800.	4800.	0.4
2.5F	87.	99.	< 0.1
2.5E	1100.	1200.	0.1
2.5D	8500.	9600.	0.9
2.5C	4.1E4	4.6E4	4.1
2.5B	1.3E5	1.4E5	13.
2.5A	2.0E5	2.3E5	20.
2.5CL	2.2E5	2.5E5	22.
2.5a	2.0E5	2.3E5	20.
2.5b	1.3E5	1.4E5	13.
2.5c	4.1E4	4.6E4	4.1
2.5d	8500.	9600.	0.9
2.5e	1100.	1200.	0.1

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TABLE E3. p

ENVIRONMENTAL SAMPLING DATA (T = 04:30) (11:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
2.5f	87.	99.	< 0.1
TLD23	0.7	0.8	< 0.1
3F	43.	49.	< 0.1
3E	620.	700.	< 0.1
3D	5400.	6100.	0.5
3C	2.9E4	3.2E4	2.9
3B	9.4E4	1.1E5	9.4
3A	1.6E5	1.8E5	16.
3CL	1.8E5	2.0E5	18.
3a	1.6E5	1.8E5	16.
3b	9.5E4	1.1E5	9.6
3c	2.9E4	3.2E4	2.9
3d	5400.	6100.	0.5
3e	620.	700.	< 0.1
3f	43.	49.	< 0.1
4F	0.1	0.2	< 0.1
4E	3.6	5.8	< 0.1
4D	65.	100.	< 0.1
4C	760.	1200.	0.1
4B	5400.	8600.	0.8
4A	2.5E4	3.9E4	3.5
4CL	3.1E4	5.0E4	4.4
4a	1.1E5	1.7E5	15.
4b	1.1E5	1.8E5	16.
4c	9.6E4	1.5E5	14.
4d	4.7E4	7.5E4	6.7
4e	1.3E4	2.1E4	1.8
4f	2200.	3500.	0.3
4.5F	7.6	12.	< 0.1
4.5E	160.	250.	< 0.1
4.5D	1900.	3000.	0.3
4.5C	1.3E4	2.0E4	1.8
4.5B	4.9E4	7.8E4	7.0
4.5A	9.6E4	1.5E5	14.
4.5CL	1.1E5	1.8E5	16.
4.5a	9.6E4	1.5E5	14.
4.5b	4.9E4	7.8E4	7.0
4.5c	1.3E4	2.0E4	1.8
4.5d	1900.	3000.	0.3
4.5e	49.	79.	< 0.1

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TABLE E3. p

ENVIRONMENTAL SAMPLING DATA (T = 04:30) (11:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
4.5f	7.6	12.	< 0.1
TLD8	5.3E4	8.4E4	7.5
5F	4.6	7.4	< 0.1
5E	110.	170.	< 0.1
5D	1400.	2200.	0.2
5C	1.0E4	1.6E4	1.4
5B	4.1E4	6.6E4	5.8
5A	8.4E4	1.3E5	12.
5CL	1.0E5	1.6E5	14.
5a	8.4E4	1.3E5	12.
5b	4.1E4	6.6E4	5.8
5c	1.0E4	1.6E4	1.4
5d	1400.	2200.	0.2
5e	110.	170.	< 0.1
5f	4.6	7.4	< 0.1
TLD41	24.	61.	< 0.1
TLD42	0.9	1.8	< 0.1
6F	1.9	3.8	< 0.1
6E	53.	110.	< 0.1
6D	680.	1400.	0.1
6C	6800.	1.4E4	1.2
6B	3.0E4	6.0E4	5.4
6A	6.8E4	1.4E5	12.
6CL	8.1E4	1.6E5	15.
6a	6.8E4	1.4E5	12.
6b	3.0E4	6.1E4	5.4
6c	6800.	1.4E4	1.2
6d	810.	1600.	0.1
6e	53.	110.	< 0.1
6f	1.9	3.8	< 0.1
7F	0.9	2.2	< 0.1
7E	29.	75.	< 0.1
7D	520.	1300.	0.1
7C	4700.	1.2E4	1.1
7B	2.3E4	6.0E4	5.3
7A	5.5E4	1.4E5	13.
7CL	6.9E4	1.8E5	16.
7a	5.5E4	1.4E5	13.
7b	2.3E4	6.0E4	5.3
7c	4700.	1.2E4	1.1

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TABLE E3. p

ENVIRONMENTAL SAMPLING DATA (T = 04:30) (11:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
7d	520.	1300.	0.1
7e	29.	75.	< 0.1
7f	0.9	2.2	< 0.1
EMSCHOOL	2.3E4	7.6E4	6.7
8F	0.4	1.4	< 0.1
8E	17.	57.	< 0.1
8D	350.	1100.	0.1
8C	3600.	1.2E4	1.1
8B	1.9E4	6.2E4	5.5
8A	4.8E4	1.6E5	14.
8CL	5.9E4	2.0E5	18.
BLEARZAR	4.5E4	1.5E5	13.
9F	0.8	3.8	< 0.1
9E	38.	190.	< 0.1
9D	890.	4300.	0.4
9C	9800.	4.9E4	4.3
9B	5.7E4	2.8E5	25.
9A	1.5E5	7.2E5	64.
9CL	1.9E5	9.3E5	82.
10C	5400.	2.8E4	2.5
10B	3.3E4	1.8E5	16.
10A	9.1E4	4.9E5	43.
10CL	1.2E5	6.5E5	57.

OTHER SAMPLES LESS THAN MDA

TABLE E3. p

ENVIRONMENTAL SAMPLING DATA (T = 05:00) (12:00)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
.5F	1.0E4	1.0E4	0.9
.5E	5.3E4	5.3E4	4.7
.5D	2.0E5	2.0E5	18.
.5C	5.5E5	5.5E5	49.
.5B	1.0E6	1.0E6	93.
.5A	1.1E6	1.1E6	97.
.5CL	1.1E6	1.1E6	100.
.5a	1.1E6	1.1E6	97.
.5b	1.0E6	1.0E6	93.
.5c	5.5E5	5.5E5	49.
.5d	2.0E5	2.0E5	18.
.5e	5.5E4	5.5E4	4.9
.5f	1.0E4	1.0E4	0.9
WNP1	3.8E4	3.8E4	3.4
WNP1GATE	880.	880.	< 0.1
1F	1700.	1700.	0.2
1E	1.2E4	1.2E4	1.1
1D	5.9E4	5.9E4	5.2
1C	2.0E5	2.0E5	17.
1B	4.7E5	4.7E5	42.
1A	5.3E5	5.3E5	47.
1CL	5.5E5	5.5E5	49.
1a	5.3E5	5.3E5	47.
1b	4.7E5	4.7E5	42.
1c	2.0E5	2.0E5	18.
1d	5.8E4	5.8E4	5.2
1e	1.2E4	1.2E4	1.1
1.2F	980.	980.	< 0.1
1.2E	7900.	7900.	0.7
1.2D	4.1E4	4.1E4	3.6
1.2C	1.4E5	1.4E5	13.
1.2B	3.6E5	3.6E5	32.
1.2A	4.4E5	4.4E5	39.
1.2CL	4.6E5	4.6E5	41.
1.2a	4.4E5	4.4E5	39.
1.2b	3.7E5	3.7E5	33.
1.2c	1.4E5	1.4E5	13.
1.2d	4.1E4	4.1E4	3.6
1.2e	7700.	7700.	0.7
1.2f	980.	980.	< 0.1

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TABLE E3. q

ENVIRONMENTAL SAMPLING DATA (T = 05:00) (12:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
1.5F	490.	490.	< 0.1
1.5E	4300.	4300.	0.4
1.5D	2.5E4	2.5E4	2.2
1.5C	9.8E4	9.8E4	8.7
1.5B	2.6E5	2.6E5	23.
1.5A	3.4E5	3.4E5	30.
1.5CL	3.5E5	3.5E5	31.
1.5a	3.4E5	3.4E5	31.
1.5b	2.6E5	2.6E5	23.
1.5c	9.9E4	9.9E4	8.7
1.5d	2.5E4	2.5E4	2.2
1.5e	4300.	4300.	0.4
1.5f	490.	490.	< 0.1
TLD51	4.4E4	4.7E4	4.2
2F	180.	180.	< 0.1
2E	1900.	1900.	0.2
2D	1.3E4	1.3E4	1.2
2C	5.8E4	5.8E4	5.2
2B	1.7E5	1.7E5	15.
2A	2.4E5	2.4E5	21.
2CL	2.6E5	2.6E5	23.
2a	2.4E5	2.4E5	21.
2b	1.7E5	1.7E5	15.
2c	5.8E4	5.8E4	5.2
2d	1.3E4	1.3E4	1.2
2e	1900.	1900.	0.2
2f	180.	180.	< 0.1
TLD3	4400.	4400.	0.4
2.5F	80.	86.	< 0.1
2.5E	1000.	1100.	< 0.1
2.5D	7800.	8300.	0.7
2.5C	3.7E4	4.0E4	3.6
2.5B	1.2E5	1.2E5	11.
2.5A	1.8E5	2.0E5	17.
2.5CL	2.0E5	2.2E5	19.
2.5a	1.8E5	2.0E5	17.
2.5b	1.2E5	1.2E5	11.
2.5c	3.7E4	4.0E4	3.6
2.5d	7800.	8300.	0.7
2.5e	1000.	1100.	< 0.1

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TABLE E3. q

ENVIRONMENTAL SAMPLING DATA (T = 05:00) (12:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION		GROUND DEPOSITION
	iodine	total	
	(pCi/kg)	(pCi/kg)	(cpm/100cm2)
2.5f	80.	86.	< 0.1
TLD23	0.7	0.7	< 0.1
3F	40.	43.	< 0.1
3E	570.	610.	< 0.1
3D	5000.	5300.	0.5
3C	2.6E4	2.8E4	2.5
3B	8.6E4	9.2E4	8.2
3A	1.5E5	1.6E5	14.
3CL	1.6E5	1.8E5	16.
3a	1.5E5	1.6E5	14.
3b	8.7E4	9.4E4	8.3
3c	2.6E4	2.8E4	2.5
3d	5000.	5300.	0.5
3e	560.	600.	< 0.1
3f	40.	43.	< 0.1
4F	0.1	0.2	< 0.1
4E	3.3	4.4	< 0.1
4D	59.	79.	< 0.1
4C	700.	920.	< 0.1
4B	4900.	6500.	0.6
4A	2.2E4	3.0E4	2.6
4CL	2.9E4	3.8E4	3.4
4a	9.8E4	1.3E5	12.
4b	1.1E5	1.4E5	12.
4c	8.8E4	1.2E5	10.
4d	4.3E4	5.7E4	5.0
4e	1.2E4	1.6E4	1.4
4f	2000.	2700.	0.2
4.5F	7.0	9.2	< 0.1
4.5E	140.	190.	< 0.1
4.5D	1700.	2200.	0.2
4.5C	1.2E4	1.5E4	1.4
4.5B	4.5E4	5.9E4	5.3
4.5A	8.8E4	1.2E5	10.
4.5CL	1.0E5	1.4E5	12.
4.5a	8.8E4	1.2E5	10.
4.5b	4.5E4	6.0E4	5.3
4.5c	1.2E4	1.5E4	1.4
4.5d	1700.	2200.	0.2
4.5e	45.	60.	< 0.1

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TABLE E3. q

ENVIRONMENTAL SAMPLING DATA (T = 05:00) (12:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
4.5f	7.0	9.2	< 0.1
TLD8	4.8E4	6.4E4	5.7
5F	4.2	5.6	< 0.1
5E	98.	130.	< 0.1
5D	1300.	1700.	0.1
5C	9200.	1.2E4	1.1
5B	3.8E4	5.0E4	4.4
5A	7.7E4	1.0E5	9.1
5CL	9.2E4	1.2E5	11.
5a	7.7E4	1.0E5	9.0
5b	3.8E4	5.0E4	4.4
5c	9200.	1.2E4	1.1
5d	1300.	1700.	0.2
5e	98.	130.	< 0.1
5f	4.2	5.6	< 0.1
TLD41	22.	40.	< 0.1
TLD42	0.8	1.3	< 0.1
6F	1.7	2.7	< 0.1
6E	49.	76.	< 0.1
6D	630.	970.	< 0.1
6C	6200.	9600.	0.9
6B	2.8E4	4.3E4	3.8
6A	6.2E4	9.6E4	8.5
6CL	7.4E4	1.2E5	10.
6a	6.2E4	9.6E4	8.5
6b	2.8E4	4.3E4	3.8
6c	6200.	9600.	0.8
6d	740.	1200.	0.1
6e	49.	76.	< 0.1
6f	1.8	2.7	< 0.1
7F	0.8	1.5	< 0.1
7E	27.	49.	< 0.1
7D	470.	880.	< 0.1
7C	4300.	8100.	0.7
7B	2.1E4	4.0E4	3.5
7A	5.1E4	9.4E4	8.4
7CL	6.3E4	1.2E5	10.
7a	5.1E4	9.4E4	8.4
7b	2.1E4	4.0E4	3.5
7c	4300.	8100.	0.7

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TABLE E3. q

ENVIRONMENTAL SAMPLING DATA (T = 05:00) (12:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
7d	470.	880.	< 0.1
7e	27.	49.	< 0.1
7f	0.8	1.4	< 0.1
EMSCHOOL	2.1E4	4.7E4	4.2
8F	0.4	0.9	< 0.1
8E	16.	35.	< 0.1
8D	320.	710.	< 0.1
8C	3300.	7400.	0.7
8B	1.7E4	3.9E4	3.4
8A	4.4E4	9.9E4	8.8
8CL	5.4E4	1.2E5	11.
BLEARZAR	4.2E4	9.4E4	8.4
9F	1.2	5.0	< 0.1
9E	58.	250.	< 0.1
9D	1400.	5700.	0.5
9C	1.5E4	6.4E4	5.7
9B	8.7E4	3.7E5	33.
9A	2.2E5	9.3E5	83.
9CL	2.9E5	1.2E6	110.
10C	9400.	4.4E4	3.9
10B	5.8E4	2.7E5	24.
10A	1.6E5	7.5E5	67.
10CL	2.1E5	9.8E5	87.

OTHER SAMPLES LESS THAN MDA

TABLE E3. q

ENVIRONMENTAL SAMPLING DATA (T = 05:30) (12:30)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
.5F	9700.	9700.	0.9
.5E	4.9E4	4.9E4	4.4
.5D	1.8E5	1.8E5	16.
.5C	5.1E5	5.1E5	45.
.5B	9.7E5	9.7E5	86.
.5A	1.0E6	1.0E6	89.
.5CL	1.0E6	1.0E6	92.
.5a	1.0E6	1.0E6	89.
.5b	9.7E5	9.7E5	86.
.5c	5.1E5	5.1E5	45.
.5d	1.9E5	1.9E5	17.
.5e	5.1E4	5.1E4	4.5
.5f	9500.	9500.	0.8
WNP1	3.5E4	3.5E4	3.1
WNP1GATE	810.	810.	< 0.1
1F	1600.	1600.	0.1
1E	1.1E4	1.1E4	1.0
1D	5.4E4	5.4E4	4.8
1C	1.8E5	1.8E5	16.
1B	4.3E5	4.3E5	38.
1A	4.9E5	4.9E5	44.
1CL	5.1E5	5.1E5	45.
1a	4.9E5	4.9E5	44.
1b	4.3E5	4.3E5	38.
1c	1.8E5	1.8E5	16.
1d	5.4E4	5.4E4	4.8
1e	1.1E4	1.1E4	1.0
1.2F	910.	910.	< 0.1
1.2E	7300.	7300.	0.6
1.2D	3.7E4	3.7E4	3.3
1.2C	1.3E5	1.3E5	12.
1.2B	3.3E5	3.3E5	29.
1.2A	4.0E5	4.0E5	36.
1.2CL	4.2E5	4.2E5	38.
1.2a	4.0E5	4.0E5	36.
1.2b	3.4E5	3.4E5	30.
1.2c	1.3E5	1.3E5	12.
1.2d	3.8E4	3.8E4	3.3
1.2e	7100.	7100.	0.6
1.2f	910.	910.	< 0.1

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TABLE E3. r

ENVIRONMENTAL SAMPLING DATA (T = 05:30) (12:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
1.5F	450.	450.	< 0.1
1.5E	4000.	4000.	0.4
1.5D	2.3E4	2.3E4	2.1
1.5C	9.1E4	9.1E4	8.1
1.5B	2.4E5	2.4E5	21.
1.5A	3.2E5	3.2E5	28.
1.5CL	3.3E5	3.3E5	29.
1.5a	3.2E5	3.2E5	28.
1.5b	2.4E5	2.4E5	21.
1.5c	9.1E4	9.1E4	8.1
1.5d	2.3E4	2.3E4	2.1
1.5e	4000.	4000.	0.4
1.5f	450.	450.	< 0.1
TLD51	4.1E4	4.2E4	3.8
2F	170.	170.	< 0.1
2E	1800.	1800.	0.2
2D	1.2E4	1.2E4	1.1
2C	5.4E4	5.4E4	4.8
2B	1.5E5	1.5E5	14.
2A	2.2E5	2.2E5	20.
2CL	2.4E5	2.4E5	21.
2a	2.2E5	2.2E5	20.
2b	1.5E5	1.5E5	14.
2c	5.4E4	5.4E4	4.8
2d	1.2E4	1.2E4	1.1
2e	1800.	1800.	0.2
2f	170.	170.	< 0.1
TLD3	4100.	4100.	0.4
2.5F	74.	76.	< 0.1
2.5E	920.	950.	< 0.1
2.5D	7200.	7500.	0.7
2.5C	3.5E4	3.6E4	3.2
2.5B	1.1E5	1.1E5	9.9
2.5A	1.7E5	1.8E5	16.
2.5CL	1.9E5	1.9E5	17.
2.5a	1.7E5	1.8E5	16.
2.5b	1.1E5	1.1E5	9.9
2.5c	3.5E4	3.6E4	3.2
2.5d	7200.	7400.	0.7
2.5e	920.	950.	< 0.1

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TABLE E3. r

ENVIRONMENTAL SAMPLING DATA (T = 05:30) (12:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
2.5f	74.	77.	< 0.1
TLD23	0.6	0.7	< 0.1
3F	37.	38.	< 0.1
3E	520.	540.	< 0.1
3D	4600.	4800.	0.4
3C	2.4E4	2.5E4	2.2
3B	7.9E4	8.2E4	7.3
3A	1.3E5	1.4E5	12.
3CL	1.5E5	1.6E5	14.
3a	1.3E5	1.4E5	12.
3b	8.1E4	8.4E4	7.4
3c	2.4E4	2.5E4	2.2
3d	4600.	4700.	0.4
3e	520.	540.	< 0.1
3f	37.	38.	< 0.1
4F	0.1	0.1	< 0.1
4E	3.0	3.6	< 0.1
4D	55.	64.	< 0.1
4C	640.	750.	< 0.1
4B	4500.	5300.	0.5
4A	2.1E4	2.4E4	2.1
4CL	2.7E4	3.1E4	2.8
4a	9.1E4	1.1E5	9.4
4b	9.7E4	1.1E5	10.
4c	8.1E4	9.4E4	8.4
4d	3.9E4	4.6E4	4.1
4e	1.1E4	1.3E4	1.1
4f	1900.	2200.	0.2
4.5F	6.5	7.5	< 0.1
4.5E	130.	150.	< 0.1
4.5D	1600.	1800.	0.2
4.5C	1.1E4	1.2E4	1.1
4.5B	4.1E4	4.8E4	4.3
4.5A	8.1E4	9.5E4	8.4
4.5CL	9.7E4	1.1E5	10.
4.5a	8.1E4	9.5E4	8.4
4.5b	4.1E4	4.8E4	4.3
4.5c	1.1E4	1.2E4	1.1
4.5d	1600.	1800.	0.2
4.5e	42.	49.	< 0.1

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TABLE E3. r

ENVIRONMENTAL SAMPLING DATA (T = 05:30) (12:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION		GROUND DEPOSITION
	iodine	total	
	(pCi/kg)	(pCi/kg)	(cpm/100cm2)
4.5f	6.5	7.5	< 0.1
TLD8	4.5E4	5.2E4	4.6
5F	3.9	4.5	< 0.1
5E	91.	110.	< 0.1
5D	1200.	1400.	0.1
5C	8500.	9900.	0.9
5B	3.5E4	4.1E4	3.6
5A	7.1E4	8.3E4	7.4
5CL	8.5E4	9.9E4	8.8
5a	7.1E4	8.3E4	7.4
5b	3.5E4	4.1E4	3.6
5c	8500.	9900.	0.9
5d	1200.	1400.	0.1
5e	91.	110.	< 0.1
5f	3.9	4.5	< 0.1
TLD41	20.	29.	< 0.1
TLD42	0.8	1.0	< 0.1
6F	1.6	2.0	< 0.1
6E	45.	58.	< 0.1
6D	580.	740.	< 0.1
6C	5700.	7300.	0.7
6B	2.5E4	3.3E4	2.9
6A	5.7E4	7.3E4	6.5
6CL	6.9E4	8.8E4	7.8
6a	5.7E4	7.3E4	6.5
6b	2.6E4	3.3E4	2.9
6c	5700.	7300.	0.6
6d	690.	880.	< 0.1
6e	45.	58.	< 0.1
6f	1.6	2.1	< 0.1
7F	0.7	1.0	< 0.1
7E	25.	35.	< 0.1
7D	440.	630.	< 0.1
7C	4000.	5800.	0.5
7B	2.0E4	2.8E4	2.5
7A	4.7E4	6.8E4	6.0
7CL	5.8E4	8.4E4	7.4
7a	4.7E4	6.8E4	6.0
7b	2.0E4	2.8E4	2.5
7c	4000.	5800.	0.5

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TABLE E3. r

ENVIRONMENTAL SAMPLING DATA (T = 05:30) (12:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
7d	440.	630.	< 0.1
7e	25.	35.	< 0.1
7f	0.7	1.0	< 0.1
EMSCHOOL	1.9E4	3.2E4	2.8
8F	0.3	0.6	< 0.1
8E	15.	24.	< 0.1
8D	290.	480.	< 0.1
8C	3000.	5000.	0.4
8B	1.6E4	2.6E4	2.3
8A	4.1E4	6.7E4	5.9
8CL	5.0E4	8.3E4	7.4
BLEARZAR	3.8E4	6.3E4	5.6
9F	1.6	5.7	< 0.1
9E	76.	280.	< 0.1
9D	1800.	6500.	0.6
9C	2.0E4	7.2E4	6.4
9B	1.1E5	4.2E5	37.
9A	2.9E5	1.1E6	93.
9CL	3.8E5	1.4E6	120.
10C	1.3E4	5.2E4	4.6
10B	8.1E4	3.2E5	28.
10A	2.2E5	8.9E5	79.
10CL	2.9E5	1.2E6	100.

OTHER SAMPLES LESS THAN MDA

TABLE E3. r

ENVIRONMENTAL SAMPLING DATA (T = 06:00) (13:00)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
.5F	9000.	9000.	0.8
.5E	4.6E4	4.6E4	4.0
.5D	1.7E5	1.7E5	15.
.5C	4.7E5	4.7E5	42.
.5B	9.0E5	9.0E5	80.
.5A	9.3E5	9.3E5	83.
.5CL	9.6E5	9.6E5	85.
.5a	9.3E5	9.3E5	83.
.5b	9.0E5	9.0E5	80.
.5c	4.7E5	4.7E5	42.
.5d	1.7E5	1.7E5	15.
.5e	4.7E4	4.7E4	4.2
.5f	8800.	8800.	0.8
WNP1	3.3E4	3.3E4	2.9
WNP1GATE	750.	750.	< 0.1
1F	1500.	1500.	0.1
1E	1.0E4	1.0E4	0.9
1D	5.0E4	5.0E4	4.5
1C	1.7E5	1.7E5	15.
1B	4.0E5	4.0E5	36.
1A	4.5E5	4.5E5	40.
1CL	4.7E5	4.7E5	42.
1a	4.5E5	4.5E5	40.
1b	4.0E5	4.0E5	36.
1c	1.7E5	1.7E5	15.
1d	5.0E4	5.0E4	4.4
1e	1.0E4	1.0E4	0.9
1.2F	840.	840.	< 0.1
1.2E	6700.	6700.	0.6
1.2D	3.5E4	3.5E4	3.1
1.2C	1.2E5	1.2E5	11.
1.2B	3.1E5	3.1E5	27.
1.2A	3.7E5	3.7E5	33.
1.2CL	3.9E5	3.9E5	35.
1.2a	3.7E5	3.7E5	33.
1.2b	3.2E5	3.2E5	28.
1.2c	1.2E5	1.2E5	11.
1.2d	3.5E4	3.5E4	3.1
1.2e	6600.	6600.	0.6
1.2f	840.	840.	< 0.1

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TABLE E3. s

ENVIRONMENTAL SAMPLING DATA (T = 06:00) (13:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
1.5F	420.	420.	< 0.1
1.5E	3700.	3700.	0.3
1.5D	2.2E4	2.2E4	1.9
1.5C	8.4E4	8.4E4	7.5
1.5B	2.2E5	2.2E5	20.
1.5A	2.9E5	2.9E5	26.
1.5CL	3.0E5	3.0E5	27.
1.5a	2.9E5	2.9E5	26.
1.5b	2.2E5	2.2E5	20.
1.5c	8.4E4	8.4E4	7.5
1.5d	2.2E4	2.2E4	1.9
1.5e	3700.	3700.	0.3
1.5f	420.	420.	< 0.1
TLD51	3.8E4	3.9E4	3.4
2F	160.	160.	< 0.1
2E	1700.	1700.	0.1
2D	1.1E4	1.1E4	1.0
2C	5.0E4	5.0E4	4.4
2B	1.4E5	1.4E5	13.
2A	2.1E5	2.1E5	18.
2CL	2.2E5	2.2E5	20.
2a	2.1E5	2.1E5	18.
2b	1.4E5	1.4E5	13.
2c	5.0E4	5.0E4	4.4
2d	1.1E4	1.1E4	1.0
2e	1600.	1600.	0.1
2f	160.	160.	< 0.1
TLD3	3800.	3800.	0.3
2.5F	68.	70.	< 0.1
2.5E	850.	870.	< 0.1
2.5D	6700.	6800.	0.6
2.5C	3.2E4	3.3E4	2.9
2.5B	9.9E4	1.0E5	9.0
2.5A	1.6E5	1.6E5	14.
2.5CL	1.7E5	1.8E5	16.
2.5a	1.6E5	1.6E5	14.
2.5b	9.9E4	1.0E5	9.0
2.5c	3.2E4	3.3E4	2.9
2.5d	6600.	6800.	0.6
2.5e	850.	870.	< 0.1

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TABLE E3. s

ENVIRONMENTAL SAMPLING DATA (T = 06:00) (13:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
2.5f	69.	70.	< 0.1
TLD23	0.6	0.6	< 0.1
3F	34.	35.	< 0.1
3E	480.	490.	< 0.1
3D	4300.	4300.	0.4
3C	2.3E4	2.3E4	2.0
3B	7.4E4	7.5E4	6.7
3A	1.2E5	1.3E5	11.
3CL	1.4E5	1.4E5	13.
3a	1.2E5	1.3E5	11.
3b	7.5E4	7.6E4	6.8
3c	2.3E4	2.3E4	2.0
3d	4200.	4300.	0.4
3e	480.	490.	< 0.1
3f	34.	35.	< 0.1
4F	< 0.1	0.1	< 0.1
4E	2.8	3.1	< 0.1
4D	51.	55.	< 0.1
4C	600.	650.	< 0.1
4B	4200.	4600.	0.4
4A	1.9E4	2.1E4	1.8
4CL	2.5E4	2.7E4	2.4
4a	8.4E4	9.1E4	8.1
4b	9.0E4	9.8E4	8.7
4c	7.5E4	8.1E4	7.2
4d	3.7E4	4.0E4	3.5
4e	1.0E4	1.1E4	1.0
4f	1700.	1900.	0.2
4.5F	6.0	6.5	< 0.1
4.5E	120.	130.	< 0.1
4.5D	1500.	1600.	0.1
4.5C	9900.	1.1E4	1.0
4.5B	3.8E4	4.2E4	3.7
4.5A	7.5E4	8.2E4	7.2
4.5CL	9.0E4	9.7E4	8.6
4.5a	7.5E4	8.2E4	7.2
4.5b	3.8E4	4.2E4	3.7
4.5c	9900.	1.1E4	1.0
4.5d	1500.	1600.	0.1
4.5e	39.	42.	< 0.1

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TABLE E3. s

ENVIRONMENTAL SAMPLING DATA (T = 06:00) (13:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
4.5f	6.0	6.5	< 0.1
TLD8	4.1E4	4.5E4	4.0
5F	3.6	3.9	< 0.1
5E	84.	91.	< 0.1
5D	1100.	1200.	0.1
5C	7900.	8500.	0.8
5B	3.2E4	3.5E4	3.1
5A	6.6E4	7.1E4	6.3
5CL	7.9E4	8.5E4	7.6
5a	6.6E4	7.1E4	6.3
5b	3.2E4	3.5E4	3.1
5c	7900.	8500.	0.8
5d	1100.	1200.	0.1
5e	84.	91.	< 0.1
5f	3.6	3.9	< 0.1
TLD41	19.	23.	< 0.1
TLD42	0.7	0.8	< 0.1
6F	1.5	1.7	< 0.1
6E	42.	48.	< 0.1
6D	540.	610.	< 0.1
6C	5300.	6100.	0.5
6B	2.4E4	2.7E4	2.4
6A	5.3E4	6.1E4	5.4
6CL	6.4E4	7.3E4	6.4
6a	5.3E4	6.1E4	5.4
6b	2.4E4	2.7E4	2.4
6c	5300.	6000.	0.5
6d	640.	730.	< 0.1
6e	42.	48.	< 0.1
6f	1.5	1.7	< 0.1
7F	0.7	0.8	< 0.1
7E	23.	28.	< 0.1
7D	410.	490.	< 0.1
7C	3700.	4500.	0.4
7B	1.8E4	2.2E4	2.0
7A	4.4E4	5.3E4	4.7
7CL	5.4E4	6.6E4	5.8
7a	4.4E4	5.3E4	4.7
7b	1.8E4	2.2E4	2.0
7c	3700.	4500.	0.4

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TABLE E3. s

ENVIRONMENTAL SAMPLING DATA (T = 06:00) (13:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
7d	410.	490.	< 0.1
7e	23.	28.	< 0.1
7f	0.7	0.8	< 0.1
EMSCHOOL	1.8E4	2.4E4	2.1
8F	0.3	0.4	< 0.1
8E	13.	18.	< 0.1
8D	270.	360.	< 0.1
8C	2800.	3700.	0.3
8B	1.5E4	1.9E4	1.7
8A	3.8E4	5.0E4	4.4
8CL	4.6E4	6.1E4	5.5
BLEARZAR	3.6E4	4.7E4	4.2
9F	1.9	6.1	< 0.1
9E	94.	300.	< 0.1
9D	2200.	6900.	0.6
9C	2.4E4	7.7E4	6.9
9B	1.4E5	4.4E5	40.
9A	3.6E5	1.1E6	100.
9CL	4.6E5	1.5E6	130.
10C	1.7E4	5.7E4	5.1
10B	1.0E5	3.5E5	31.
10A	2.8E5	9.7E5	86.
10CL	3.7E5	1.3E6	110.

OTHER SAMPLES LESS THAN MDA

TABLE E3. s

ENVIRONMENTAL SAMPLING DATA (T = 06:30) (13:30)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
.5F	8400.	8400.	0.7
.5E	4.2E4	4.2E4	3.8
.5D	1.6E5	1.6E5	14.
.5C	4.4E5	4.4E5	39.
.5B	8.4E5	8.4E5	74.
.5A	8.7E5	8.7E5	77.
.5CL	9.0E5	9.0E5	80.
.5a	8.7E5	8.7E5	77.
.5b	8.4E5	8.4E5	74.
.5c	4.4E5	4.4E5	39.
.5d	1.6E5	1.6E5	14.
.5e	4.4E4	4.4E4	3.9
.5f	8200.	8200.	0.7
WNP1	3.1E4	3.1E4	2.7
WNP1GATE	700.	700.	< 0.1
1F	1400.	1400.	0.1
1E	9500.	9500.	0.8
1D	4.7E4	4.7E4	4.2
1C	1.6E5	1.6E5	14.
1B	3.7E5	3.7E5	33.
1A	4.2E5	4.2E5	38.
1CL	4.4E5	4.4E5	39.
1a	4.2E5	4.2E5	38.
1b	3.8E5	3.8E5	33.
1c	1.6E5	1.6E5	14.
1d	4.7E4	4.7E4	4.1
1e	9500.	9500.	0.8
1.2F	790.	790.	< 0.1
1.2E	6300.	6300.	0.6
1.2D	3.2E4	3.2E4	2.9
1.2C	1.2E5	1.2E5	10.
1.2B	2.9E5	2.9E5	25.
1.2A	3.5E5	3.5E5	31.
1.2CL	3.7E5	3.7E5	33.
1.2a	3.5E5	3.5E5	31.
1.2b	3.0E5	3.0E5	26.
1.2c	1.2E5	1.2E5	10.
1.2d	3.3E4	3.3E4	2.9
1.2e	6200.	6200.	0.5
1.2f	790.	790.	< 0.1

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TABLE E3. t

ENVIRONMENTAL SAMPLING DATA (T = 06:30) (13:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
1.5F	390.	390.	< 0.1
1.5E	3500.	3500.	0.3
1.5D	2.0E4	2.0E4	1.8
1.5C	7.9E4	7.9E4	7.0
1.5B	2.1E5	2.1E5	18.
1.5A	2.7E5	2.7E5	24.
1.5CL	2.8E5	2.8E5	25.
1.5a	2.8E5	2.8E5	24.
1.5b	2.1E5	2.1E5	18.
1.5c	7.9E4	7.9E4	7.0
1.5d	2.0E4	2.0E4	1.8
1.5e	3500.	3500.	0.3
1.5f	390.	390.	< 0.1
TLD51	3.5E4	3.6E4	3.2
2F	150.	150.	< 0.1
2E	1500.	1500.	0.1
2D	1.1E4	1.1E4	0.9
2C	4.7E4	4.7E4	4.1
2B	1.3E5	1.3E5	12.
2A	1.9E5	1.9E5	17.
2CL	2.1E5	2.1E5	18.
2a	1.9E5	1.9E5	17.
2b	1.3E5	1.3E5	12.
2c	4.7E4	4.7E4	4.1
2d	1.1E4	1.1E4	0.9
2e	1500.	1500.	0.1
2f	150.	150.	< 0.1
TLD3	3500.	3500.	0.3
2.5F	64.	64.	< 0.1
2.5E	800.	800.	< 0.1
2.5D	6200.	6300.	0.6
2.5C	3.0E4	3.0E4	2.7
2.5B	9.3E4	9.4E4	8.3
2.5A	1.5E5	1.5E5	13.
2.5CL	1.6E5	1.6E5	15.
2.5a	1.5E5	1.5E5	13.
2.5b	9.3E4	9.4E4	8.3
2.5c	3.0E4	3.0E4	2.7
2.5d	6200.	6300.	0.6
2.5e	800.	800.	< 0.1

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TABLE E3. t

ENVIRONMENTAL SAMPLING DATA (T = 06:30) (13:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
2.5f	64.	65.	< 0.1
TLD23	0.5	0.6	< 0.1
3F	32.	32.	< 0.1
3E	450.	460.	< 0.1
3D	4000.	4000.	0.4
3C	2.1E4	2.1E4	1.9
3B	6.9E4	6.9E4	6.2
3A	1.2E5	1.2E5	10.
3CL	1.3E5	1.3E5	12.
3a	1.2E5	1.2E5	10.
3b	7.0E4	7.1E4	6.3
3c	2.1E4	2.1E4	1.9
3d	4000.	4000.	0.4
3e	450.	460.	< 0.1
3f	32.	32.	< 0.1
4F	< 0.1	< 0.1	< 0.1
4E	2.6	2.7	< 0.1
4D	47.	49.	< 0.1
4C	560.	580.	< 0.1
4B	3900.	4100.	0.4
4A	1.8E4	1.9E4	1.7
4CL	2.3E4	2.4E4	2.1
4a	7.9E4	8.2E4	7.3
4b	8.4E4	8.7E4	7.8
4c	7.0E4	7.3E4	6.5
4d	3.4E4	3.5E4	3.1
4e	9600.	9900.	0.9
4f	1600.	1700.	0.1
4.5F	5.6	5.8	< 0.1
4.5E	110.	120.	< 0.1
4.5D	1400.	1400.	0.1
4.5C	9200.	9600.	0.9
4.5B	3.6E4	3.7E4	3.3
4.5A	7.0E4	7.3E4	6.5
4.5CL	8.4E4	8.7E4	7.7
4.5a	7.0E4	7.3E4	6.5
4.5b	3.6E4	3.7E4	3.3
4.5c	9200.	9600.	0.9
4.5d	1400.	1400.	0.1
4.5e	36.	38.	< 0.1

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TABLE E3. t

ENVIRONMENTAL SAMPLING DATA (T = 06:30) (13:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
4.5f	5.6	5.8	< 0.1
TLD8	3.9E4	4.0E4	3.6
5F	3.4	3.5	< 0.1
5E	79.	82.	< 0.1
5D	1000.	1000.	< 0.1
5C	7300.	7600.	0.7
5B	3.0E4	3.1E4	2.8
5A	6.1E4	6.4E4	5.7
5CL	7.4E4	7.6E4	6.8
5a	6.1E4	6.4E4	5.7
5b	3.0E4	3.1E4	2.8
5c	7300.	7600.	0.7
5d	1000.	1100.	< 0.1
5e	79.	82.	< 0.1
5f	3.4	3.5	< 0.1
TLD41	17.	19.	< 0.1
TLD42	0.7	0.7	< 0.1
6F	1.4	1.5	< 0.1
6E	39.	42.	< 0.1
6D	500.	530.	< 0.1
6C	5000.	5300.	0.5
6B	2.2E4	2.4E4	2.1
6A	5.0E4	5.3E4	4.7
6CL	6.0E4	6.3E4	5.6
6a	5.0E4	5.3E4	4.7
6b	2.2E4	2.4E4	2.1
6c	5000.	5300.	0.5
6d	600.	630.	< 0.1
6e	39.	42.	< 0.1
6f	1.4	1.5	< 0.1
7F	0.6	0.7	< 0.1
7E	21.	24.	< 0.1
7D	380.	420.	< 0.1
7C	3500.	3800.	0.3
7B	1.7E4	1.9E4	1.7
7A	4.1E4	4.5E4	4.0
7CL	5.0E4	5.5E4	4.9
7a	4.1E4	4.5E4	4.0
7b	1.7E4	1.9E4	1.7
7c	3500.	3800.	0.3

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TABLE E3. t

ENVIRONMENTAL SAMPLING DATA (T = 06:30) (13:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
7d	380.	420.	< 0.1
7e	21.	23.	< 0.1
7f	0.6	0.7	< 0.1
EMSCHOOL	1.7E4	1.9E4	1.7
8F	0.3	0.3	< 0.1
8E	13.	14.	< 0.1
8D	250.	290.	< 0.1
8C	2600.	3000.	0.3
8B	1.4E4	1.6E4	1.4
8A	3.5E4	4.1E4	3.6
8CL	4.3E4	5.0E4	4.4
BLEARZAR	3.3E4	3.8E4	3.4
9F	2.2	6.3	< 0.1
9E	110.	310.	< 0.1
9D	2600.	7200.	0.6
9C	2.8E4	8.0E4	7.1
9B	1.7E5	4.6E5	41.
9A	4.3E5	1.2E6	100.
9CL	5.5E5	1.5E6	130.
10C	2.0E4	6.0E4	5.3
10B	1.2E5	3.7E5	33.
10A	3.3E5	1.0E6	90.
10CL	4.4E5	1.3E6	120.

OTHER SAMPLES LESS THAN MDA

TABLE E3. t

ENVIRONMENTAL SAMPLING DATA (T = 07:00) (14:00)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
.5F	7900.	7900.	0.7
.5E	4.0E4	4.0E4	3.5
.5D	1.5E5	1.5E5	13.
.5C	4.1E5	4.1E5	37.
.5B	7.9E5	7.9E5	70.
.5A	8.2E5	8.2E5	73.
.5CL	8.4E5	8.4E5	75.
.5a	8.2E5	8.2E5	73.
.5b	7.9E5	7.9E5	70.
.5c	4.1E5	4.1E5	37.
.5d	1.5E5	1.5E5	14.
.5e	4.1E4	4.1E4	3.7
.5f	7700.	7700.	0.7
WNP1	2.9E4	2.9E4	2.5
WNP1GATE	660.	660.	< 0.1
1F	1300.	1300.	0.1
1E	8900.	8900.	0.8
1D	4.4E4	4.4E4	3.9
1C	1.5E5	1.5E5	13.
1B	3.5E5	3.5E5	31.
1A	4.0E5	4.0E5	35.
1CL	4.1E5	4.1E5	37.
1a	4.0E5	4.0E5	35.
1b	3.5E5	3.5E5	31.
1c	1.5E5	1.5E5	13.
1d	4.4E4	4.4E4	3.9
1e	8900.	8900.	0.8
1.2F	740.	740.	< 0.1
1.2E	5900.	5900.	0.5
1.2D	3.0E4	3.0E4	2.7
1.2C	1.1E5	1.1E5	9.6
1.2B	2.7E5	2.7E5	24.
1.2A	3.3E5	3.3E5	29.
1.2CL	3.4E5	3.4E5	31.
1.2a	3.3E5	3.3E5	29.
1.2b	2.8E5	2.8E5	25.
1.2c	1.1E5	1.1E5	9.6
1.2d	3.1E4	3.1E4	2.7
1.2e	5800.	5800.	0.5
1.2f	740.	740.	< 0.1

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TABLE E3. u

ENVIRONMENTAL SAMPLING DATA (T = 07:00) (14:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
1.5F	370.	370.	< 0.1
1.5E	3300.	3300.	0.3
1.5D	1.9E4	1.9E4	1.7
1.5C	7.4E4	7.4E4	6.6
1.5B	1.9E5	1.9E5	17.
1.5A	2.6E5	2.6E5	23.
1.5CL	2.6E5	2.6E5	23.
1.5a	2.6E5	2.6E5	23.
1.5b	1.9E5	1.9E5	17.
1.5c	7.4E4	7.4E4	6.6
1.5d	1.9E4	1.9E4	1.7
1.5e	3300.	3300.	0.3
1.5f	370.	370.	< 0.1
TLD51	3.3E4	3.3E4	3.0
2F	140.	140.	< 0.1
2E	1500.	1500.	0.1
2D	9900.	9900.	0.9
2C	4.4E4	4.4E4	3.9
2B	1.2E5	1.2E5	11.
2A	1.8E5	1.8E5	16.
2CL	1.9E5	1.9E5	17.
2a	1.8E5	1.8E5	16.
2b	1.2E5	1.2E5	11.
2c	4.4E4	4.4E4	3.9
2d	9900.	9900.	0.9
2e	1400.	1400.	0.1
2f	140.	140.	< 0.1
TLD3	3300.	3300.	0.3
2.5F	60.	60.	< 0.1
2.5E	750.	750.	< 0.1
2.5D	5800.	5900.	0.5
2.5C	2.8E4	2.8E4	2.5
2.5B	8.7E4	8.7E4	7.8
2.5A	1.4E5	1.4E5	12.
2.5CL	1.5E5	1.5E5	14.
2.5a	1.4E5	1.4E5	12.
2.5b	8.7E4	8.7E4	7.8
2.5c	2.8E4	2.8E4	2.5
2.5d	5800.	5800.	0.5
2.5e	750.	750.	< 0.1

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TABLE E3. u

ENVIRONMENTAL SAMPLING DATA (T = 07:00) (14:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
2.5f	60.	60.	< 0.1
TLD23	0.5	0.5	< 0.1
3F	30.	30.	< 0.1
3E	420.	430.	< 0.1
3D	3700.	3700.	0.3
3C	2.0E4	2.0E4	1.8
3B	6.4E4	6.5E4	5.7
3A	1.1E5	1.1E5	9.7
3CL	1.2E5	1.2E5	11.
3a	1.1E5	1.1E5	9.7
3b	6.6E4	6.6E4	5.8
3c	2.0E4	2.0E4	1.8
3d	3700.	3700.	0.3
3e	420.	420.	< 0.1
3f	30.	30.	< 0.1
4F	< 0.1	< 0.1	< 0.1
4E	2.5	2.5	< 0.1
4D	45.	45.	< 0.1
4C	520.	530.	< 0.1
4B	3700.	3700.	0.3
4A	1.7E4	1.7E4	1.5
4CL	2.2E4	2.2E4	2.0
4a	7.4E4	7.5E4	6.7
4b	7.9E4	8.0E4	7.1
4c	6.6E4	6.7E4	5.9
4d	3.2E4	3.3E4	2.9
4e	9000.	9100.	0.8
4f	1500.	1500.	0.1
4.5F	5.2	5.3	< 0.1
4.5E	110.	110.	< 0.1
4.5D	1300.	1300.	0.1
4.5C	8700.	8800.	0.8
4.5B	3.4E4	3.4E4	3.0
4.5A	6.6E4	6.7E4	6.0
4.5CL	7.9E4	8.0E4	7.1
4.5a	6.6E4	6.7E4	6.0
4.5b	3.4E4	3.4E4	3.0
4.5c	8700.	8800.	0.8
4.5d	1300.	1300.	0.1
4.5e	34.	35.	< 0.1

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TABLE E3. u

ENVIRONMENTAL SAMPLING DATA (T = 07:00) (14:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
4.5f	5.2	5.3	< 0.1
TLD8	3.6E4	3.7E4	3.3
5F	3.2	3.2	< 0.1
5E	74.	75.	< 0.1
5D	940.	950.	< 0.1
5C	6900.	7000.	0.6
5B	2.8E4	2.9E4	2.6
5A	5.8E4	5.9E4	5.2
5CL	6.9E4	7.0E4	6.2
5a	5.8E4	5.9E4	5.2
5b	2.8E4	2.9E4	2.6
5c	6900.	7000.	0.6
5d	960.	980.	< 0.1
5e	74.	75.	< 0.1
5f	3.2	3.2	< 0.1
TLD41	16.	17.	< 0.1
TLD42	0.6	0.6	< 0.1
6F	1.3	1.3	< 0.1
6E	37.	38.	< 0.1
6D	470.	480.	< 0.1
6C	4700.	4800.	0.4
6B	2.1E4	2.1E4	1.9
6A	4.7E4	4.8E4	4.3
6CL	5.6E4	5.7E4	5.1
6a	4.7E4	4.8E4	4.3
6b	2.1E4	2.1E4	1.9
6c	4700.	4800.	0.4
6d	560.	570.	< 0.1
6e	37.	38.	< 0.1
6f	1.3	1.4	< 0.1
7F	0.6	0.6	< 0.1
7E	20.	21.	< 0.1
7D	350.	370.	< 0.1
7C	3300.	3400.	0.3
7B	1.6E4	1.7E4	1.5
7A	3.8E4	4.0E4	3.5
7CL	4.7E4	4.9E4	4.4
7a	3.8E4	4.0E4	3.5
7b	1.6E4	1.7E4	1.5
7c	3300.	3400.	0.3

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TABLE E3. u

ENVIRONMENTAL SAMPLING DATA (T = 07:00) (14:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
7d	350.	370.	< 0.1
7e	20.	21.	< 0.1
7f	0.6	0.6	< 0.1
EMSCHOOL	1.6E4	1.7E4	1.5
8F	0.3	0.3	< 0.1
8E	12.	13.	< 0.1
8D	240.	250.	< 0.1
8C	2500.	2600.	0.2
8B	1.3E4	1.4E4	1.2
8A	3.3E4	3.5E4	3.1
8CL	4.1E4	4.3E4	3.8
BLEARZAR	3.1E4	3.3E4	3.0
9F	2.6	6.5	< 0.1
9E	130.	320.	< 0.1
9D	3000.	7400.	0.7
9C	3.3E4	8.3E4	7.4
9B	1.9E5	4.8E5	42.
9A	4.9E5	1.2E6	110.
9CL	6.3E5	1.6E6	140.
10C	2.3E4	6.2E4	5.5
10B	1.4E5	3.8E5	34.
10A	3.9E5	1.1E6	93.
10CL	5.1E5	1.4E6	120.

OTHER SAMPLES LESS THAN MDA

TABLE E3. u

ENVIRONMENTAL SAMPLING DATA (T = 07:30) (14:30)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
.5F	7400.	7400.	0.7
.5E	3.8E4	3.8E4	3.3
.5D	1.4E5	1.4E5	12.
.5C	3.9E5	3.9E5	35.
.5B	7.4E5	7.4E5	66.
.5A	7.7E5	7.7E5	68.
.5CL	7.9E5	7.9E5	70.
.5a	7.7E5	7.7E5	68.
.5b	7.4E5	7.4E5	66.
.5c	3.9E5	3.9E5	35.
.5d	1.4E5	1.4E5	13.
.5e	3.9E4	3.9E4	3.4
.5f	7300.	7300.	0.6
WNP1	2.7E4	2.7E4	2.4
WNP1GATE	620.	620.	< 0.1
1F	1200.	1200.	0.1
1E	8400.	8400.	0.7
1D	4.1E4	4.1E4	3.7
1C	1.4E5	1.4E5	12.
1B	3.3E5	3.3E5	29.
1A	3.8E5	3.8E5	33.
1CL	3.9E5	3.9E5	34.
1a	3.8E5	3.8E5	33.
1b	3.3E5	3.3E5	29.
1c	1.4E5	1.4E5	12.
1d	4.1E4	4.1E4	3.7
1e	8400.	8400.	0.7
1.2F	690.	690.	< 0.1
1.2E	5600.	5600.	0.5
1.2D	2.9E4	2.9E4	2.5
1.2C	1.0E5	1.0E5	9.1
1.2B	2.5E5	2.5E5	22.
1.2A	3.1E5	3.1E5	27.
1.2CL	3.2E5	3.2E5	29.
1.2a	3.1E5	3.1E5	27.
1.2b	2.6E5	2.6E5	23.
1.2c	1.0E5	1.0E5	9.1
1.2d	2.9E4	2.9E4	2.6
1.2e	5400.	5400.	0.5
1.2f	690.	690.	< 0.1

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TABLE E3. v

ENVIRONMENTAL SAMPLING DATA (T = 07:30) (14:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
1.5F	350.	350.	< 0.1
1.5E	3100.	3100.	0.3
1.5D	1.8E4	1.8E4	1.6
1.5C	6.9E4	6.9E4	6.2
1.5B	1.8E5	1.8E5	16.
1.5A	2.4E5	2.4E5	21.
1.5CL	2.5E5	2.5E5	22.
1.5a	2.4E5	2.4E5	22.
1.5b	1.8E5	1.8E5	16.
1.5c	7.0E4	7.0E4	6.2
1.5d	1.8E4	1.8E4	1.6
1.5e	3100.	3100.	0.3
1.5f	350.	350.	< 0.1
TLD51	3.1E4	3.1E4	2.8
2F	130.	130.	< 0.1
2E	1400.	1400.	0.1
2D	9400.	9400.	0.8
2C	4.1E4	4.1E4	3.7
2B	1.2E5	1.2E5	10.
2A	1.7E5	1.7E5	15.
2CL	1.8E5	1.8E5	16.
2a	1.7E5	1.7E5	15.
2b	1.2E5	1.2E5	10.
2c	4.1E4	4.1E4	3.7
2d	9400.	9400.	0.8
2e	1400.	1400.	0.1
2f	130.	130.	< 0.1
TLD3	3100.	3100.	0.3
2.5F	56.	56.	< 0.1
2.5E	700.	710.	< 0.1
2.5D	5500.	5500.	0.5
2.5C	2.6E4	2.7E4	2.4
2.5B	8.2E4	8.2E4	7.3
2.5A	1.3E5	1.3E5	12.
2.5CL	1.4E5	1.4E5	13.
2.5a	1.3E5	1.3E5	12.
2.5b	8.2E4	8.2E4	7.3
2.5c	2.6E4	2.7E4	2.4
2.5d	5500.	5500.	0.5
2.5e	700.	710.	< 0.1

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TABLE E3. v

ENVIRONMENTAL SAMPLING DATA (T = 07:30) (14:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
2.5f	57.	57.	< 0.1
TLD23	0.5	0.5	< 0.1
3F	28.	28.	< 0.1
3E	400.	400.	< 0.1
3D	3500.	3500.	0.3
3C	1.9E4	1.9E4	1.7
3B	6.1E4	6.1E4	5.4
3A	1.0E5	1.0E5	9.1
3CL	1.2E5	1.2E5	10.
3a	1.0E5	1.0E5	9.1
3b	6.2E4	6.2E4	5.5
3c	1.9E4	1.9E4	1.7
3d	3500.	3500.	0.3
3e	400.	400.	< 0.1
3f	28.	28.	< 0.1
4F	< 0.1	< 0.1	< 0.1
4E	2.3	2.3	< 0.1
4D	42.	42.	< 0.1
4C	490.	500.	< 0.1
4B	3500.	3500.	0.3
4A	1.6E4	1.6E4	1.4
4CL	2.0E4	2.1E4	1.8
4a	7.0E4	7.0E4	6.2
4b	7.4E4	7.5E4	6.7
4c	6.2E4	6.2E4	5.5
4d	3.0E4	3.0E4	2.7
4e	8400.	8500.	0.8
4f	1400.	1400.	0.1
4.5F	4.9	5.0	< 0.1
4.5E	100.	100.	< 0.1
4.5D	1200.	1200.	0.1
4.5C	8200.	8200.	0.7
4.5B	3.2E4	3.2E4	2.8
4.5A	6.2E4	6.3E4	5.6
4.5CL	7.4E4	7.5E4	6.6
4.5a	6.2E4	6.3E4	5.6
4.5b	3.2E4	3.2E4	2.8
4.5c	8200.	8200.	0.7
4.5d	1200.	1200.	0.1
4.5e	32.	32.	< 0.1

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TABLE E3. v

ENVIRONMENTAL SAMPLING DATA (T = 07:30) (14:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
4.5f	4.9	5.0	< 0.1
TLD8	3.4E4	3.4E4	3.1
5F	3.0	3.0	< 0.1
5E	70.	70.	< 0.1
5D	880.	890.	< 0.1
5C	6500.	6500.	0.6
5B	2.7E4	2.7E4	2.4
5A	5.4E4	5.5E4	4.9
5CL	6.5E4	6.6E4	5.8
5a	5.4E4	5.5E4	4.9
5b	2.7E4	2.7E4	2.4
5c	6500.	6500.	0.6
5d	910.	910.	< 0.1
5e	70.	70.	< 0.1
5f	3.0	3.0	< 0.1
TLD41	15.	16.	< 0.1
TLD42	0.6	0.6	< 0.1
6F	1.2	1.2	< 0.1
6E	34.	35.	< 0.1
6D	440.	450.	< 0.1
6C	4400.	4400.	0.4
6B	2.0E4	2.0E4	1.8
6A	4.4E4	4.4E4	3.9
6CL	5.3E4	5.3E4	4.7
6a	4.4E4	4.4E4	3.9
6b	2.0E4	2.0E4	1.8
6c	4400.	4400.	0.4
6d	530.	530.	< 0.1
6e	34.	35.	< 0.1
6f	1.2	1.3	< 0.1
7F	0.6	0.6	< 0.1
7E	19.	19.	< 0.1
7D	330.	340.	< 0.1
7C	3100.	3100.	0.3
7B	1.5E4	1.5E4	1.4
7A	3.6E4	3.7E4	3.2
7CL	4.4E4	4.5E4	4.0
7a	3.6E4	3.7E4	3.2
7b	1.5E4	1.5E4	1.4
7c	3100.	3100.	0.3

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TABLE E3. v

ENVIRONMENTAL SAMPLING DATA (T = 07:30) (14:30)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
7d	330.	340.	< 0.1
7e	19.	19.	< 0.1
7f	0.6	0.6	< 0.1
EMSCHOOL	1.5E4	1.5E4	1.3
8F	0.3	0.3	< 0.1
8E	11.	11.	< 0.1
8D	220.	230.	< 0.1
8C	2300.	2400.	0.2
8B	1.2E4	1.3E4	1.1
8A	3.1E4	3.2E4	2.9
8CL	3.8E4	3.9E4	3.5
BLEARZAR	2.9E4	3.0E4	2.7
9F	2.9	6.7	< 0.1
9E	140.	330.	< 0.1
9D	3300.	7600.	0.7
9C	3.7E4	8.5E4	7.6
9B	2.1E5	4.9E5	44.
9A	5.5E5	1.2E6	110.
9CL	7.0E5	1.6E6	140.
10C	2.6E4	6.4E4	5.7
10B	1.6E5	3.9E5	35.
10A	4.4E5	1.1E6	96.
10CL	5.8E5	1.4E6	130.

OTHER SAMPLES LESS THAN MDA

TABLE E3. v

ENVIRONMENTAL SAMPLING DATA (T = 08:00) (15:00)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
.5F	7000.	7000.	0.6
.5E	3.5E4	3.5E4	3.1
.5D	1.3E5	1.3E5	12.
.5C	3.7E5	3.7E5	33.
.5B	7.0E5	7.0E5	62.
.5A	7.3E5	7.3E5	65.
.5CL	7.5E5	7.5E5	67.
.5a	7.3E5	7.3E5	65.
.5b	7.0E5	7.0E5	62.
.5c	3.7E5	3.7E5	33.
.5d	1.4E5	1.4E5	12.
.5e	3.7E4	3.7E4	3.3
.5f	6900.	6900.	0.6
WNP1	2.6E4	2.6E4	2.3
WNP1GATE	590.	590.	< 0.1
1F	1200.	1200.	0.1
1E	7900.	7900.	0.7
1D	3.9E4	3.9E4	3.5
1C	1.3E5	1.3E5	12.
1B	3.1E5	3.1E5	28.
1A	3.5E5	3.5E5	31.
1CL	3.7E5	3.7E5	33.
1a	3.5E5	3.5E5	31.
1b	3.1E5	3.1E5	28.
1c	1.3E5	1.3E5	12.
1d	3.9E4	3.9E4	3.5
1e	7900.	7900.	0.7
1.2F	660.	660.	< 0.1
1.2E	5200.	5200.	0.5
1.2D	2.7E4	2.7E4	2.4
1.2C	9.7E4	9.7E4	8.6
1.2B	2.4E5	2.4E5	21.
1.2A	2.9E5	2.9E5	26.
1.2CL	3.1E5	3.1E5	27.
1.2a	2.9E5	2.9E5	26.
1.2b	2.5E5	2.5E5	22.
1.2c	9.7E4	9.7E4	8.6
1.2d	2.7E4	2.7E4	2.4
1.2e	5100.	5100.	0.5
1.2f	660.	660.	< 0.1

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TABLE E3. w

ENVIRONMENTAL SAMPLING DATA (T = 08:00) (15:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
1.5F	330.	330.	< 0.1
1.5E	2900.	2900.	0.3
1.5D	1.7E4	1.7E4	1.5
1.5C	6.6E4	6.6E4	5.8
1.5B	1.7E5	1.7E5	15.
1.5A	2.3E5	2.3E5	20.
1.5CL	2.4E5	2.4E5	21.
1.5a	2.3E5	2.3E5	20.
1.5b	1.7E5	1.7E5	15.
1.5c	6.6E4	6.6E4	5.8
1.5d	1.7E4	1.7E4	1.5
1.5e	2900.	2900.	0.3
1.5f	330.	330.	< 0.1
TLD51	3.0E4	3.0E4	2.6
2F	120.	120.	< 0.1
2E	1300.	1300.	0.1
2D	8800.	8800.	0.8
2C	3.9E4	3.9E4	3.5
2B	1.1E5	1.1E5	9.8
2A	1.6E5	1.6E5	14.
2CL	1.7E5	1.7E5	15.
2a	1.6E5	1.6E5	14.
2b	1.1E5	1.1E5	9.8
2c	3.9E4	3.9E4	3.5
2d	8800.	8800.	0.8
2e	1300.	1300.	0.1
2f	120.	120.	< 0.1
TLD3	2900.	2900.	0.3
2.5F	53.	53.	< 0.1
2.5E	670.	670.	< 0.1
2.5D	5200.	5200.	0.5
2.5C	2.5E4	2.5E4	2.2
2.5B	7.7E4	7.7E4	6.9
2.5A	1.2E5	1.2E5	11.
2.5CL	1.4E5	1.4E5	12.
2.5a	1.2E5	1.2E5	11.
2.5b	7.8E4	7.8E4	6.9
2.5c	2.5E4	2.5E4	2.2
2.5d	5200.	5200.	0.5
2.5e	670.	670.	< 0.1

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TABLE E3. w

ENVIRONMENTAL SAMPLING DATA (T = 08:00) (15:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
2.5f	53.	53.	< 0.1
TLD23	0.5	0.5	< 0.1
3F	27.	27.	< 0.1
3E	380.	380.	< 0.1
3D	3300.	3300.	0.3
3C	1.8E4	1.8E4	1.6
3B	5.7E4	5.7E4	5.1
3A	9.7E4	9.7E4	8.6
3CL	1.1E5	1.1E5	9.7
3a	9.7E4	9.7E4	8.6
3b	5.8E4	5.8E4	5.2
3c	1.8E4	1.8E4	1.6
3d	3300.	3300.	0.3
3e	380.	380.	< 0.1
3f	27.	27.	< 0.1
4F	< 0.1	< 0.1	< 0.1
4E	2.2	2.2	< 0.1
4D	40.	40.	< 0.1
4C	470.	470.	< 0.1
4B	3300.	3300.	0.3
4A	1.5E4	1.5E4	1.3
4CL	1.9E4	1.9E4	1.7
4a	6.6E4	6.6E4	5.9
4b	7.0E4	7.1E4	6.3
4c	5.8E4	5.9E4	5.2
4d	2.8E4	2.9E4	2.5
4e	8000.	8000.	0.7
4f	1300.	1300.	0.1
4.5F	4.7	4.7	< 0.1
4.5E	96.	96.	< 0.1
4.5D	1100.	1100.	0.1
4.5C	7700.	7700.	0.7
4.5B	3.0E4	3.0E4	2.7
4.5A	5.9E4	5.9E4	5.2
4.5CL	7.0E4	7.0E4	6.2
4.5a	5.9E4	5.9E4	5.2
4.5b	3.0E4	3.0E4	2.7
4.5c	7700.	7700.	0.7
4.5d	1100.	1100.	0.1
4.5e	30.	30.	< 0.1

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TABLE E3. w

ENVIRONMENTAL SAMPLING DATA (T = 08:00) (15:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
4.5f	4.7	4.7	< 0.1
TLD8	3.2E4	3.2E4	2.9
5F	2.8	2.8	< 0.1
5E	66.	66.	< 0.1
5D	830.	840.	< 0.1
5C	6100.	6100.	0.5
5B	2.5E4	2.5E4	2.3
5A	5.1E4	5.1E4	4.6
5CL	6.1E4	6.2E4	5.5
5a	5.1E4	5.1E4	4.6
5b	2.5E4	2.5E4	2.3
5c	6100.	6100.	0.5
5d	860.	860.	< 0.1
5e	66.	66.	< 0.1
5f	2.8	2.8	< 0.1
TLD41	14.	15.	< 0.1
TLD42	0.6	0.6	< 0.1
6F	1.2	1.2	< 0.1
6E	33.	33.	< 0.1
6D	420.	420.	< 0.1
6C	4100.	4200.	0.4
6B	1.8E4	1.9E4	1.6
6A	4.1E4	4.2E4	3.7
6CL	5.0E4	5.0E4	4.4
6a	4.1E4	4.2E4	3.7
6b	1.9E4	1.9E4	1.7
6c	4100.	4200.	0.4
6d	500.	500.	< 0.1
6e	33.	33.	< 0.1
6f	1.2	1.2	< 0.1
7F	0.5	0.5	< 0.1
7E	18.	18.	< 0.1
7D	320.	320.	< 0.1
7C	2900.	2900.	0.3
7B	1.4E4	1.4E4	1.3
7A	3.4E4	3.4E4	3.0
7CL	4.2E4	4.2E4	3.8
7a	3.4E4	3.4E4	3.0
7b	1.4E4	1.4E4	1.3
7c	2900.	2900.	0.3

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TABLE E3. w

ENVIRONMENTAL SAMPLING DATA (T = 08:00) (15:00)
(continued)

OFFSITE MONITORING LOCATION	LEAFY VEGETATION iodine (pCi/kg)	LEAFY VEGETATION total (pCi/kg)	GROUND DEPOSITION (cpm/100cm2)
7d	320.	320.	< 0.1
7e	18.	18.	< 0.1
7f	0.5	0.5	< 0.1
EMSCHOOL	1.4E4	1.4E4	1.3
8F	0.3	0.3	< 0.1
8E	10.	11.	< 0.1
8D	210.	210.	< 0.1
8C	2200.	2200.	0.2
8B	1.2E4	1.2E4	1.0
8A	3.0E4	3.0E4	2.7
8CL	3.6E4	3.7E4	3.2
BLEARZAR	2.8E4	2.8E4	2.5
9F	3.2	6.9	< 0.1
9E	160.	340.	< 0.1
9D	3700.	7900.	0.7
9C	4.0E4	8.8E4	7.8
9B	2.4E5	5.0E5	45.
9A	6.1E5	1.3E6	110.
9CL	7.8E5	1.7E6	150.
10C	2.9E4	6.6E4	5.8
10B	1.8E5	4.0E5	36.
10A	4.9E5	1.1E6	99.
10CL	6.5E5	1.5E6	130.

OTHER SAMPLES LESS THAN MDA

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

CONTROLLER INFORMATION
SCENARIO MESSAGES

L NO.	PAGE
92E	1 of 1

MESSAGE NO.	REAL TIME OF:	DRILL TIME OF:
9	AFTER GENERAL EMERGENCY	

CONTROLLER LOCATION
COUNTY EOC CONTROLLER

CONTROLLER NAME	ORGANIZATION

MESSAGE FOR: EMERGENCY MANAGEMENT DIRECTOR

MESSAGE FROM: COUNTY EOC CONTROLLER

MESSAGE:

THIS IS AN EXERCISE . . . THIS IS AN EXERCISE

You have received word from the Recovery Manager that it appears the present emergency will last more than 12 hours.

THIS IS AN EXERCISE . . . THIS IS AN EXERCISE

REFERENCE GENERAL DATA SHEETS:

FOR CONTROLLER USE ONLY

THIS MESSAGE SHOULD PROMPT THE EMERGENCY MANAGEMENT DIRECTOR TO ARRANGE FOR ALL COUNTY POSITIONS TO HAVE SHIFT RELIEF. SHIFT CHANGE SHOULD OCCUR BETWEEN 11:30 AND 12:30.

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

CONTROLLER INFORMATION
SCENARIO MESSAGES

L NO.		PAGE
92E		1 of 1

MESSAGE NO.	REAL TIME OF:	DRILL TIME OF:
10	AFTER GENERAL EMERGENCY	

CONTROLLER LOCATION: COUNTY EOC CONTROLLER

CONTROLLER NAME	ORGANIZATION

MESSAGE FOR: FRANKLIN COUNTY SHERIFF

MESSAGE FROM: COUNTY EOC CONTROLLER

MESSAGE:

THIS IS AN EXERCISE . . . THIS IS AN EXERCISE

Franklin County Emergency Dispatch reports that 5 off-duty deputies, and 3 reserves are available for duty. Therefore your agency is short of personnel needed to carry out its assigned duties.

THIS IS AN EXERCISE . . . THIS IS AN EXERCISE

REFERENCE GENERAL DATA SHEETS:

FOR CONTROLLER USE ONLY

THIS MESSAGE SHOULD PROMPT THE FRANKLIN COUNTY SHERIFF TO REQUEST ADDITIONAL PERSONNEL TO SETUP ROADBLOCKS IN 10 MILE ZONE.

TIME LINE WORKSHEET
EXERCISE 92

EVALUATOR NAME	ORGANIZATION

TIME LINE WORKSHEET FOR:

(List the Center [&/or] Team [&/or] Personnel involved) **CONTROL CELL**

CONTROL CELL

OPERATIONS

SECTION

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)_____CONTROL CELL_____

EMERGENCY INFORMATION - MEDIA AND RUMOR CONTROL

Demonstrate the capability to coordinate the development and dissemination of clear, accurate, and timely information to the news media.

POINTS OF REVIEW

10.6 Were staff and equipment available at the media center to deal with telephone inquiries from the media? **(Control Cell)**

YES ___ NO ___ N/A ___

(a) Did telephone staff provide prompt, accurate, consistent, and responsive information to media representatives?

YES ___ NO ___ N/A ___

Demonstrate the capability to establish and operate rumor control in a coordinated and timely manner.

POINTS OF REVIEW

11.5 Did the rumor control staff provide prompt, accurate, consistent, and responsive information to callers? **(Control Cell)**

YES ___ NO ___ N/A ___

11.6 How many calls were received by the rumor control staff during the exercise? **(Control Cell)**

_____

(a) Based on the number of calls received, record the average number of calls handled per hour during the period rumor control staff were activated.

_____

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

CONTROLLER INFORMATION
SCENARIO MESSAGES

DRILL NO.		PAGE
92E		1 of 1

MESSAGE NO.	REAL TIME OF:	DRILL TIME OF:
5	0910	

CONTROLLER LOCATION
(CONTROL CELL) FRANKLIN COUNTY EMERGENCY DISPATCH CENTER

CONTROLLER NAME	ORGANIZATION

MESSAGE FOR: Franklin County Sheriff in EOC

MESSAGE FROM: Franklin County Emergency Dispatch Center

MESSAGE:

THIS IS AN EXERCISE . . . THIS IS AN EXERCISE

"This is Sherri with Franklin County Emergency Dispatch. We've just had a report of a train derailment. A MR. Simon Toland, engineer of a Burlington Northern freight train, reports a train derailment near Eltopia. Eltopia West Road is blocked just west of Highway 395 where the road crosses the train tracks. No injuries or fire reported. Traffic is backing up."

THIS IS AN EXERCISE . . . THIS IS AN EXERCISE

REFERENCE GENERAL DATA SHEETS:

FOR CONTROLLER USE ONLY

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

CONTROLLER INFORMATION
SCENARIO MESSAGES

DRILL NO.	PAGE
92E	1 of 1

MESSAGE NO.	REAL TIME OF:	DRILL TIME OF:
6	AFTER EVACUATION MESS.	

CONTROLLER LOCATION: CONTROL CELL

CONTROLLER NAME	ORGANIZATION

MESSAGE FOR: Transportation Coordinator EOC

MESSAGE FROM: Richard Laubach (Control Cell)

MESSAGE:

THIS IS AN EXERCISE . . . THIS IS AN EXERCISE

"Yes, this is Richard Laubach. My parents, Quinten and Jane Laubach of 250 Country Haven Lo- will need help to evacuate. Can you send someone to move them? Where will they be taken?"

THIS IS AN EXERCISE . . . THIS IS AN EXERCISE

REFERENCE GENERAL DATA SHEETS:

FOR CONTROLLER USE ONLY

Note 1. Transportation Coordinator (TC) in EOC should call Control Cell repeatedly to verify whether or not handicapped people need transportation assistance. When the TC calls the Control Cell and asks for Richard (or Quinten or Jane) Laubach, this message should be given. Precautionary evacuation of handicapped people at SAE is the preferred action, however; 1. this is a discretionary action of the EOC Chairman, and 2. scenario may not allow this because it goes right to a GE.

Note 2. FEMA will use the same person to observe both the handicapped evacuation and the school evacuation. Therefore these two actions must be scheduled sequentially so that one person can observe both.

CONTROL CELL OPERATIONS
EXERCISE 92

A. **GENERAL:** The control cell is made up of controllers, whose function it is to role-play as the various agencies and individuals not activated for the drill, but with whom the players would normally interface. Communications are initiated both ways. For example, a MUDAC player may need to call the National Weather Service for a weather forecast. Instead he should contact the control cell where a controller, role-playing as a forecaster, would read from a data sheet the "canned" drill weather. Also, controllers may call one of the emergency centers with a scenario message input. Most of the calls, however, will be initiated by controllers to the centers heavily committed to outside interfaces, *e.g., JIC phone teams.*

B. **PARTICIPATING AGENCIES:** The control cell should **not** represent organizations or individuals activated for the drill. Those include:

1. All Plant emergency centers
2. The EOF, with possibly limited personnel from State, counties.
3. The Headquarters/JIC, including State and possibly counties.

C. **METHODOLOGY**

1. Incoming calls:
   a. Try to keep designated lines clear of other traffic.
   b. Answer by stating the phone number and "this is a drill." Then ask, "To whom do you wish to speak?"
   c. Portray the agency/individual being called as realistically as possible.
   d. Terminate the conversation with the phrase, "This is a drill."
2. Outgoing calls:
   a. We are reducing the need for pre-scripted messages. Instead:
      1) Assume an assigned personality from Enclosure 1. Do not use names of real people.

2) Formulate a call with questions based on designated rumors, EBS broadcasts, news releases, lead controller assigned topics and other information provided by players. At the end of each section in Enclosure 1, there are a few practical examples of how you should formulate your questions.

3) Make the call. Start and end each call with the statement, "This is a drill."

4) Log the call at Enclosure 2. Include *all specifics* of any call not evaluated as satisfactory.

5) For public information calls, remember local media will react first. The public will react to what they hear from the media.

6) Make calls plausible. Switch personalities as appropriate.

7) Try to keep phone talkers busy with information search requirements. Request call backs and follow up on open items.

8) The FEMA standard is 5 or 6 phone calls per person *(player)* per hour, including periodic rumors. Phone team members should be able to:

- o Answer questions by reading from news releases and radio announcements *(EBS messages)* at hand;
- o Look up information in resource books and read/repeat such information [1];
- o Dispel rumors based on emergency calendar, farm brochures, EBS messages and news releases.

[1] The Table of Contents in the resource book has been redone for easier access to information by users.

Phone teams should not speculate or answer *'what if'* questions. FEMA has indicated to the Supply System that most phone calls would be because they *(the callers)* didn't hear the EBS message. The phone teams should expect to get a great volume of the same exact question. FEMA has indicated that it would be **totally inappropriate** to expect phone team members to explain or to discuss any technical information or issues. In addition, information need not be memorized, but team members should be able to look up information and to read directly from the resource book. FEMA has also suggested that if repeat questions occur *(more than three calls asking the same question)*, obviously the public is interested in knowing. Therefore, steps should be taken to get answers included in press releases, etc.

D. **NEWS CONFERENCES:** Designated controllers will attend JIC news conferences to role play as media. They are to adhere to the criteria above for outgoing calls.

E. **NEWS CLIPPINGS:** JIC phone team controllers, be prepared to write news stories on the event for processing by the JIC staff. Use Enclosure 3.

F. **NRC CALLS:** Keep players busy researching answers to specific questions. Imagine what it really would be like!

G. **CRITIQUE:** Write up critique work sheets for favorable and unfavorable observations, based on phone call and news conference evaluations, and turn them in to the lead controller.

H. **TELEPHONE NUMBERS:**

1.	NRC:	
	o TSC Plant/NRC Liaison	2943
	o EOF Licensing Manager	8087
2.	JIC:	
	o Media Response Team	5100
	o Public Information Team	5011
3.	Benton/Franklin County EOC:	586-1451
4.	WA State EOC (Olympia):	
	o Media Response Team	1-206-438-7737
	o Public Information Team	1-206-459-6650

CONTROL CELL OPERATIONS
CONTROLLER PERSONALITIES
EXERCISE 92

1. **Television:**

   a. KDTV Channel 88--Tri-Cities. Local TV station. You're young, ambitious, and want to make a name for yourself. Dan Rather or Connie Chung is your role model. You see the Tri-Cities as a stepping stone to bigger things. You would like to be aggressive but know your employer and audience are sympathetic to Hanford so you have to be careful how you make a splash.

   b. KDKT Channel 34. Local TV (see **KDTV, above**) You're the same but more aggressive. You're the kind who would send a crew to location without asking for permission. If asked to leave, you'd read them your rights. "Police can't interfere with normal news gathering in public places. The people have a right to know." Leave only when threatened with arrest by Hanford Patrol or if seduced with better opportunities by the Public Relations staff. The way you are treated will color your story.

   c. KPPR Channel 99. Local TV station. You don't have too much invested in your career. You see you're not going to go very far in broadcasting. You feel pretty neutral about Hanford. You know it's not anywhere as bad as you sometimes read in west side papers.

   d. KTAC Channel 2. Seattle-Tacoma TV. You want television footage but you can't afford to send a crew over. Being broadcast media you don't have much time for detail, you want drama.

   e. KSEA Channel 4. Seattle. WOW! This is a great story. Hanford Terror. You want pictures. You are going to send your camera crew over by helicopter in about two hours. You hear that Supply System Security has an armored car. You want to take pictures of blood and guts, if not that then a look of pure terror in a child's face will do. You understand that TV news is entertainment. You're not in competition with the newspapers and other news shows, you're in competition with "The Equalizer," "Miami Vice," and "Tour of Duty."

Practical Examples of TV Personalities

1) Wanda Wilson, KVEW TV--"We would like to bring a camera crew out to Plant 2. What's the probability of getting some video shots? Where can we shoot film? When our crew gets out there, who would be available to talk to us? How about anyone from the NRC? The Supply System regularly holds news conferences in the Headquarters auditorium, right? When's the next one? What's the situation at the Plant right now?"

2) Sandy Spencer--KNDU TV, TriCities. "Has the NRC involved itself in the situation? . . . What is it doing? . . . Do you have the names of those representatives? . . . Any chance I can talk to one of them? . . . How about the state of Washington? . . . Who is down from the Governor's office? What's the latest condition at Plant 2? . . . Who makes the next decision about what to do next? - The State or the NRC? . . . Someone mentioned a group called FEMA . . . I'm not familiar with that . . . Who is it and what do its people do? . . . Are FEMA people there now, too?"

3) Joe Johnson--KREM TV, Spokane. "What's the current situation there? Is there a chance of an explosion? Where are you headed next? Who's in charge of the problem? . . . What is his regular role at the Supply System? . . . What's his background? . . . Can you tell me how long he has been with the Supply System?"

4) Vicki Veneer--CBS TV News Network. "I'd like to get more information about Plant 2. What is the present situation? What is being done about it? Please give me the names of the people making the decisions about the actions to be taken . . . Give me some background on these decision-makers. Is anyone from the NRC personally monitoring the situation? May I have their names, please? What other federal or state agencies are activated? Are any representatives from Idaho or Oregon present? . . . Why *(or Why Not)*?"

5) Karen Kanderly--KOMO TV. "We're hearing the situation has deteriorated to the point that the area agricultural industry could be impacted seriously . . . Crops have been contaminated . . . deadened soil . . . Things like that . . . "

6) KHG TV, Spokane. *(Somewhat aggressive)* "We've been trying all day to get an interview with your Plant Manager. WHEN are we going to get some cooperation? . . . It seems to us that *WHOOPS* might want to put their best expert forward at a time like this . . . someone who is really going to know what's going on. Can we go to your plant and look at it for ourselves? . . . So, we can't talk to your Plant Manager and we can't go to your plant . . . What are you folks trying to hide?" . . . *(Challenge the qualifications of anyone they offer as a substitute spokesperson, e.g. - What is his/her background with nuclear energy? - this person isn't going to know Plant 2 like the Plant Manager does, etc.)*

7) Joan Justy--CBS TV News Network. "Are airplanes flying overhead in danger?. . . Aren't the airspaces over these plants protected? . . . Has anyone considered what would happen if a bomb were dropped? . . . You sound pretty vulnerable. I thought these things were supposed to withstand that sort of event."

8) Brad Burke--KING TV, Seattle. "I've received a report that very high radiation dose readings were taken at someplace called the Ashe Substation . . . I presume the substation is a part of the Bonneville Power Grid System, correct? . . . Where is it located in relation to your Plant 2? . . . Who took those readings, what were those readings, and what is the significance of those readings? . . . How often are dose readings taken? . . . Tell me a little bit more about your field teams taking the readings . . . "

9) Rickie Romanovich--KOMO TV, Seattle. "What role is the NRC playing in this incident? . . . can you give me the names of any NRC people activated on site? . . . Has the NRC gone on record with any statement about conditions at Plant 2? . . . Have they said anything about the future of the American nuclear industry in light of the event at Plant 2? Would you take a moment to describe the Plant to me . . . It contains a Boiling Water Reactor, doesn't it? What else can you tell me about the physical makeup of the plant?"

2. **Radio:**

a. WWPZ Radio--Tri Cities. You're older, mature. You know your radio career will probably never take you beyond the Tri-Cities. That's fine because you like it here. A lot of your friends work at Hanford. You know many of the PR people well and know a lot about Hanford. You know they are good folks. You use your reporting as a means to, as much as possible, build a strong community.

b. KOZY Country Radio--Tri-Cities. You don't have much air time for news. It's something you stick in between Dolly and Kenny Rogers.

c. KRZY Rock FM--Tri-Cities. See KOZY (#b), but substitute Def Lepard and Kiss for Dolly and Kenny.

d. National Non-Commercial Radio--You are the reporter for intellectuals. You are interested in the social consequences of government activities. Does a news event represent a trend for the future? What were the underlying causes of the event? Is the event ultimately good even though it looks bad now? Will it teach us something?

3. **Print:**

a. Columbia Basin Chronicle--Local newspaper. Your editorial policy is friendly to Hanford. You see yourself as a first class science reporter and expect to one day report for a more prestigious paper. You tend to go for a science angle.

b. Spokane Banner--Northwest Regional Paper. God knows what all is going on down there at Hanford. It seems like every rock you uncover down there has a toxic chemical or radioactive rattlesnake under it. You don't know much about modern warfare, world politics, nuclear energy, or technology and you basically distrust those who do. Hanford is especially worrisome. What are they hiding?

c. Seattle Post-Dispatch--Major Northwest Paper. You need flamboyant headlines. Your paper is not so much in to what is true as it is in what sells. You want stories about people and what happens to them. You don't want too many details about science. You don't care about reasons for things, you just want to know what happens to people. You want details of injuries, you want to know personalities, you want to know how people FEEL about things. You don't report about the danger that people are in, you report about how in-danger people FEEL. This makes reporting easy. You don't have to get expert opinion. You can ask the man on the street and his opinion is nearly as good as the governor's.

d. Seattle Prestige Journal--Major Northwest Paper. You want controversy. It doesn't much matter where it comes from, just get it. Find somebody who is upset about something, state his reasons and opinion and then go find another opinion. You like important people--opposing politicians, opposing government agencies, big shots are best. As long as one side of the argument is important it's okay. DOE against a nobody is a story because DOE is important.

e. Associated News--Wire Service. Just the facts. Who did what to who. Who announced what. Ask these questions every time: Who? What? Where? When? How? and Why? Remember, your selling your material to other news media. You have to be very professional. They don't give a hoot about your opinion.

f. United News--Wire Service. See notes on Associated News. The same applies, only you are from the Walla Walla bureau and are pretty well informed on Hanford but don't know too much about Battelle.

g. New York Daily Planet--You're the best. The news is what the New York Daily Planet says is news. All the other papers follow your lead. You know this but are very modest and professional about it. You're interested in the facts of the issue at hand but want lots of background. What led up to the event? What are the likely consequences? Will there be legislative action? What philosophy is guiding the courses of action taken by decision makers? How did the DOE allow this kind of situation to occur?

h. Portland Post--Northwest Major Newspaper. You want to be fair. You want to report both sides of every question. You don't know too much about DOE.

i. American Enquirer--National Tabloid. You don't really want news. You want lurid details. You can make most of them up, but sometimes it's nice to have real photos even if they have to be retouched.

Practical Examples of Newspaper Personalities

10) Sandra Smith--UPI, Seattle. "I understand the whole problem at Plant 2 began with some kind of leak. What broke? Any question of sabotage in this event? About 20 minutes later your reactor shutdown, correct? . . . What was the connection between the leak and the scram? Have people been contaminated? What is your injury status? How much fuel damage did you experience? Anything else to add?"

11) Ronald Reeber--LA Times. "What can you tell me about radiation levels at your plant? Where has the contamination spread? Have Plant personnel been evacuated? Any injuries? Is the NRC going to step in and take over things? What have they been saying? What are the names of the NRC representatives there? Well, things must be pretty serious with the NRC in place. How do things forebode for your nuclear plant in the future? How about ramifications for the nuclear industry?"

12) Mary King--UPI Seattle. "Tell me more about why a Site Area Emergency was declared? What are the conditions that require an emergency of this level? There are several classifications, aren't there? . . . Detail them, please. What has been the progression of these classifications at Plant 2? Where will you go next?

13) Mandy Motoya--TriCity Herald. "It's my understanding this whole situation started with a leak in some system out there. What exactly is its function and why is it important to the Plant? . . . Wasn't a backup safety system in place? . . . How was the radiation released? . . . For years you've been telling the public radiation releases will never occur at an American nuclear power plant, what is Plant 2's position now?"

14) George Gupper--Time Magazine. "How extensive are the damages to your plant? . . . Has any other commercial nuclear power plant in America experienced the same sort of problems? . . . Do you have power to the plant? Aren't America's commercial nuclear power plants supposed to withstand all sorts of disasters - earthquakes, fires, things like that? . . . How do you think Plant 2 speaks to the record?"

15) Melissa Meeker--Seattle Times. "When do you expect repairs to Plant 2 to be complete? . . . What methods of restraint are in place at the Plant now? . . . What is being done to reduce the seriousness of the situation? What outside agencies are playing a role in restoration of the site? How extensive are damages now? Has anyone put a dollar amount on the damage?"

16) Manly McGinnis--Aberdeen Daily World. "Did your plant explode? . . . What happened? . . . Who's involved in evaluating this new situation? . . . Injuries? . . . What about evacuations? - Does that mean the Columbia River could be contaminated to some extent? . . . What if someone was out there fishing? . . . I'd like to know the environmental impact should the river be exposed to a radioactive plume?"

17) Fred Frew--Olympia News. "Let's talk a bit about reparative measures at Plant 2 . . . Do you speculate you'll be bringing in outside expertise from General Electric and Westinghouse? . . . Who was your construction contractor? . . . There will be some construction on site, won't there? What's the extent of physical damages to the building? How long do you think it would take the Plant to get back in operation?"

18) Rene Reis--Everett Herald. " Is this the same thing that happened at Chernobyl? . . . Isn't that what General Emergency means? . . . Is this one of those Hanford facilities that we hear so much about? . . . Are you releasing more Iodine to the atmosphere? . . . What is happening to the radiation level now . . . Does that indicate the nature of the exposure?"

19) Jim DellaSelva--Grants Pass Guardian. "Where's the radiation headed? . . . Any changes in weather conditions expected to affect the situation? . . . What would happen if a storm occurred? - And if it rained? What are the weather conditions right now? What's the forecast for the next couple of days? How long will you restrain evacuated residents from returning to their homes? . . . The weather plays a factor in that decision, too, doesn't it? If the wind stirs up, other areas could be evacuated also, right? . . . Where would you put them? . . . What is *WHOOP's* obligation to these residents? Who pays for their food and medicine involved with the evacuation? What about looters?"

20) Bob Brown--The New York Times. "Since these sort of catastrophes are not supposed to occur at commercial nuclear power plants, why is it this one has - to this magnitude - at your plant? . . . What explanation has been given to the American public about this? . . . It doesn't look too good for your plant management, does it? . . . Who is your Chief Executive Officer? . . . May I speak to him, please? . . . Who, in charge, may I speak to? How long have you been in the nuclear power business? . . . What's your background? . . . Does that make you an authority on commercial nuclear power plants? . . . You have quite a responsibility speaking for the Plant, considering your background, don't you?"

4. **Officials**
   a. Richland School District
   b. Pasco School District
   c. Hospital
   d. Adjacent counties--Grant, Yakima, Walla Walla
   e. Senator Wisenhut's Aide--Generally hostile to Hanford
   f. Congressman Gold's Aide--Friendly congressman
   g. NRC--Any personality you have met in this role
   h. Others as appropriate

5. **Local Population**

a. Worried Spanish-Speaker--Worried about something; make it sound plausible.

b. Local Nut--Knows how to handle these kinds of situations. Wants to help. Ex-professor, ex-cop, ex-nurse, ex-psychologist, ex-whatever sounds good for the situation. Happy to help out if you want.

c. Local Busybody--Wants to explain personal opinions about issues and what the government/town/people ought to do about it. Tries to hold the attention of whom called for as LONG as possible.

d. Richland day care center operator (outside 10 mile EPZ)

e. Kennewick convalescent home operator (outside 10 mile EPZ)

f. Potential looter--looking for tactical information

g. Concerned citizen

h. Employee's spouse

i. Parent of a child on tour of the WNP-2 Visitor center

j. Resident worried about garden

k. Resident worried about cattle and milch cows

l. Residents worried about missing relatives that live in the evacuation/shelter area

m. Residents worried about what they ate from the neighbour's garden today

n. People calling wanting transportation

o. People calling in because they didn't hear the radio message

p. Residents who want to know who is covering expenses from losses

q. People who lost the calendar wanting to know what to take with them when they leave

r. Mothers wanting to know where their school children are

s. Someone wants to know what the difference in classifications means

t. Others, as appropriate

Practical Example of a Local Populace Personality

o Wife of Plant 2 HP-Chemist. "Why isn't my husband back home? I heard on the radio all unnecessary personnel are being sent home. Where is Mark?"

"You can't tell me that you don't know what's going on out there"

"Why won't you tell me where Mark is? Is he one of the injured people I heard about?"

"Injuries are the types of things press people should know about. Tell me if Mark is among them!"

"Are you hiding something? You media people know everything!"

"Don't give me the run-around. Mark's been a loyal employee for three years. Is this how you pay us back?"

CONTROL CELL OPERATIONS
CONTROL CELL PHONE LOG
EXERCISE 92

Controller:_____ Page _____ of _____ Pages

NOTE: *Include all relevant specifics of any response evaluated as unsatisfactory.*

Individual/Team called and the time called	Personality of responder and evaluation (S/U)	Substance of Inquiry (number of message or version of used)	Substance of Response

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EVALUATION WORKSHEET INSTRUCTIONS

EVALUATOR NAME	ORGANIZATION

EVALUATION QUESTION WORKSHEET FOR:

(List the Center (&/or) Team (&/or) Personnel involved)

ALL CONTROLLERS & EVALUATORS READ THE FOLLOWING

The evaluation section of the drill/exercise package includes a 'custom-tailored' Time-Line Worksheet and Evaluation Criteria Worksheets prepared for each of the following centers &/or functions . . .

-Control Room (CR Control Cell)
-Technical Support Center
-Supply System Decision Center
-EOF Communications Center
-Technical Data Center
-JIC
-Operations Support Center
-Central Alarm Station (& Site Security)
-Security Decision Center
-MUDAC
-Field Teams
-Health Physics Center

The Time-Line Worksheet for each center is followed by the appropriate Evaluation Criteria Worksheets. The Time-Line Worksheets are for indicating the time specific actions or events took place in your center. The Evaluation Criteria Worksheets apply to ALL centers or to specific centers as indicated at the top of the form. The evaluation statements, or 'Points of Review' address specific items that the controller/evaluators need to look for. If a specific evaluation criteria is NA, mark it as such. If not, mark whether it was demonstrated or not. Controllers & Evaluators are responsible for filling out the appropriate Evaluation Criteria Worksheets for their appropriate Center &/or Function. It must be understood that the Supply System does not intend to perform evaluation of the performance of Non-Supply System agencies participating in this Drill . . . *for example, Dept Of Health personnel participating in the TDC and MUDAC.*

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TIME LINE WORKSHEET
EXERCISE 92

EVALUATOR NAME	ORGANIZATION

TIME LINE WORKSHEET FOR:

(List the Center [&/or] Team [&/or] Personnel involved) **CONTROL ROOM *(Simulator)***

TIME	EVENT
_____	Drill Start Plant PA Announcement completed
	Unusual Event
_____	UE - EAL recognized by PED
_____	UE - Declared by PED
_____	UE - Crash Call completed
_____	UE - Alerting Tone sounded
_____	UE - Plant PA Announcement completed
_____	UE - PA Announcement of hazards
_____	UE - NRC Notification completed
	Alert
_____	ALERT - EAL recognized by PED
_____	ALERT - Declared by PED
_____	ALERT - Crash Call completed
_____	ALERT - Alerting Tone sounded
_____	ALERT - Plant PA Announcement completed
_____	ALERT - PA Announcement of hazards
_____	ALERT - NRC Notification completed
	Site Area Emergency *(if applicable)*
_____	SAE - EAL recognized by PED
_____	SAE - Declared by PED
_____	SAE - Crash Call completed
_____	SAE - Alerting Tone sounded
_____	SAE - Plant PA Announcement completed
_____	SAE - PA Announcement of hazards
_____	SAE - NRC Notification completed
	General Emergency *(if applicable)*
_____	GE - EAL recognized by PED
_____	GE - Declared by PED
_____	GE - Crash Call completed
_____	GE - Alerting Tone sounded
_____	GE - Plant PA Announcement completed
_____	GE - PA Announcement of hazards
_____	GE - NRC Notification completed

TIME LINE WORKSHEET
EXERCISE 92

EVALUATOR NAME	ORGANIZATION

TIME LINE WORKSHEET FOR:

(List the Center (&/or) Team (&/or) Personnel involved) **CONTROL ROOM *(Simulator)* *(cont'd)***

TIME	EVENT
	Other Items Warranting Input *(if applicable)*
_____	Shift Manager/PED passed control to On-Call PED
_____	PED change-over to On-Call PED announcement made in CR
_____	Protected Area Evacuation order Plant PA announcement made *(specify area and type)*
_____	Information Coordinator arrived
_____	Control Room communicator arrived
_____	
_____	
_____	
_____	
_____	
_____	Simulator staff secured Exercise

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____CONTROL ROOM_____

1. Demonstrate the ability for the Shift Manager and the control room operators to recognize abnormal events, determine plant conditions and bring the plant into a safe shutdown mode (82301-03.02.01b.1.a)

   YES ___ NO ___ N/A ___

2. Demonstrate the ability of the control room operators to correctly implement the immediate actions of the Emergency Plan Implementing Procedures (82301-03.02.01b.1.b)

   YES ___ NO ___ N/A ___

3. Demonstrate the ability of the control room operators to classify the emergency using the Emergency Action Levels (EALs) and determine the necessary onsite and offsite protective actions without waiting for dose assessment (82301-03.02.01b.1.c)

   YES ___ NO ___ N/A ___

4. For a Site Area or General Emergency, demonstrate the ability of the control room to evacuate nonessential personnel and initiate protective actions for all personnel remaining on site (82301-03.02.01b.1.e)

   YES ___ NO ___ N/A ___

5. Demonstrate the ability of the control room to promptly notify onsite personnel of emergency events, conditions or actions (82301-03.02.01b.1.f)

   YES ___ NO ___ N/A ___

6. Demonstrate the ability of the control room to promptly notify offsite officials of emergency events, conditions or actions (82301-03.02.01b.1.g)

   YES ___ NO ___ N/A ___

7. Demonstrate the ability of the control room to account for all personnel within 30 minutes of a site assembly and thereafter continuously account for all personnel remaining onsite (82301-03.02.01b.1.h)

YES ___ NO ___ N/A ___

8. Demonstrate the ability of the control room to assess information to determine the magnitude and direction of the release for onsite and offsite protective actions and collect onsite samples to better define the source term and confirm the projected doses (82301-03.02.01b.1.i)

YES ___ NO ___ N/A ___

9. If appropriate, demonstrate the ability of the control room to request a post-accident containment air or primary water sample to confirm the composition of the release (82301-03.02.01b.1.j)

YES ___ NO ___ N/A ___

10. Demonstrate the ability of the Shift Manager as PED to deploy field teams to perform environmental sampling if a release is anticipated or in progress (82301-03.02.01b.1.k)

YES ___ NO ___ N/A ___

TIME LINE WORKSHEET
EXERCISE 92

EVALUATOR NAME	ORGANIZATION

TIME LINE WORKSHEET FOR:

(List the Center [&/or] Team [&/or] Personnel involved) **OPERATIONS SUPPORT CENTER**

TIME	EVENT
_____	Alert Plant PA Announcement heard
_____	OSC Director assumes command
_____	OSC Director announces to OSC Staff he has assumed command
_____	OSC declared activated
_____	Protected Area evacuation Plant PA announcement heard in OSC *(specify area and type)*
_____	Initial Habitability monitoring conducted
_____	First Reentry Team dispatched from OSC to *(specify area & task)*
_____	Dispatched Reentry Team to measure rad readings in Protected Area
_____	Communications Support personnel arrive from EOF
_____	OSC assumes responsiblity for PET direction and control *(relieves CR)*
_____	Initial accountability declared complete by OSC
_____	
_____	
_____	
_____	
_____	
_____	OSC Staff secure from Exercise

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

POINTS OF REVIEW

1.1 At what times did the center receive notification of emergency classification levels (ECLs)?

ECL	TIME NOTIFIED
Unusual Event	_____
Alert	_____
Site Area Emergency	_____
General Emergency	_____

1.2 Did all 60 minute responders arrive at the center in the time allotted?

YES ___ NO ___ N/A ___

1.3 Were all emergency center positions staffed? If not, list those that weren't.

YES ___ NO ___ N/A ___

_____

_____

1.4 At what times did the activation process for this facility begin and end?

Begin:_____ End:_____

1.5 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

_____

_____

_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S) ALL

OBJECTIVE 2: FACILITIES-EQUIPMENT, DISPLAYS AND WORK ENVIRONMENT

Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.

POINTS OF REVIEW

2.1 Was update of the status board(s) done promptly (i.e., within about 10 minutes) following receipt of significant changes in event information at the nuclear power plant? If not, provide comments below.

YES ___ NO ___ N/A ___

Comments: _____

2.2 Was acceptable accountability maintained for the center (OSC,TSC,CR)?

YES ___ NO ___ N/A ___

2.3 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments: _____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

POINTS OF REVIEW

3.1 Were the following actions performed by the Center Director or designee? (Indicate YES, NO, N/A, or N/O in the space provided for each item.)

____ Issued appropriate instructions to staff
____ Conducted staff meetings and briefings, as necessary
____ Resolved jurisdictional or decision-making authority conflicts
____ Provided leadership in decision making
____ Involved staff in decision making
____ Directed coordination with other jurisdictions
____ Authorized implementation of protective action recommendations

3.2 Did the Center Director or designee demonstrate the ability to direct the center in performing its essential functions?

YES ___ NO ___ N/A ___

3.3. In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 4: COMMUNICATIONS

Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

POINTS OF REVIEW

4.1 Did the staff in this facility demonstrate proficiency in the use of the available communications systems? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

4.2 Did this facility find alternate ways to communicate with other organizations without undue delay when malfunctions or breakdowns in equipment occurred?

YES ___ NO ___ N/A ___

4.4 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

OBJECTIVE 5: EMERGENCY WORKER EXPOSURE CONTROL

Demonstrate the capability to continuously monitor and control radiation exposure to emergency workers.

POINTS OF REVIEW

5.1 Were the direct-reading dosimeters zeroed and/or the initial readings recorded prior to deployment?

YES ___ NO ___ N/A ___

5.2 Were emergency workers aware of their maximum authorized mission exposure limit?

YES ___ NO ___ N/A ___

(a) If yes, what exposure limit did they indicate?

_____

5.3 Were emergency workers authorized to terminate their mission by their own decisions if a turn-back value was reached?

YES ___ NO ___ N/A ___

(a) What turn-back value(s) did they use?

_____

(b) Whom would they contact? Specify individual by title and organization.

_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S) OSC, TSC, MUDAC

OBJECTIVE 5: EMERGENCY WORKER EXPOSURE CONTROL

POINTS OF REVIEW

5.4 Did emergency workers monitor their own exposure?

YES ___ NO ___ N/A ___

(a) If yes, were dosimeters read at critical points as dictated by area conditions or the potential for exposure?

YES ___ NO ___ N/A ___

(b) Was personal dosimetry worn in the proper location?

YES ___ NO ___ N/A ___

5.5 Were emergency workers made aware of the potential need to take potassium iodide (KI) for thyroid blocking?

YES ___ NO ___ N/A ___

5.6 Were emergency workers, who were assigned special missions, briefed regarding higher dose limits authorized for these assignments?

YES ___ NO ___ N/A ___

(a) Was any special administrative approval required for these higher dose limits?

YES ___ NO ___ N/A ___

5.7 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____OSC_____

1. Demonstrate the ability to quickly staff and activate the Operations Support Center (OSC), establish communications and determine OSC habitability (82301-03.02.01b.4.a)

   YES ___ NO ___ N/A ___

2. Demonstrate the ability of the OSC to effectively communicate with the EOF, TSC and repair teams, and adequately brief, track and debrief teams dispatched from the OSC (82301-03.02.01b.4.b)

   YES ___ NO ___ N/A ___

3. Demonstrate the ability to implement emergency exposure guidelines for onsite emergency workers as necessary

   YES ___ NO ___ N/A ___

4. Demonstrate the ability to maintain appropriate radiological controls in the Protected Area throughout the course of the event.

   YES ___ NO ___ N/A ___

5. Demonstrate the ability to provide respiratory protection and contamination control in the Protected Area.

   YES ___ NO ___ N/A ___

6. Demonstrate the ability to effectively brief and equip corrective action or rescue teams and the teams to respond in a prompt and appropriate manner (82301-03.02.01b.7)

   YES ___ NO ___ N/A ___

SECURITY AND ACCOUNTABILITY

7. Demonstrate the ability of the Security Force to maintain appropriate access control at the EOF, TSC, OSC and control room (82301-03.02.01b.8.a)

   YES ___ NO ___ N/A ___

8. Demonstrate the ability to promptly initiate search-and-rescue operation for missing personnel, as necessary, and all onsite personnel are continuously accounted for during the emergency response (82301-03.02.01b.8.b)

   YES ___ NO ___ N/A ___

TIME LINE WORKSHEET
EXERCISE 92

EVALUATOR NAME	ORGANIZATION

TIME LINE WORKSHEET FOR:

(List the Center [&/or] Team [&/or] Personnel involved) **TECHNICAL SUPPORT CENTER**

TIME	EVENT
_____	TSC Declared activated
_____	On-Call PED assumes control from Shift Manager/PED
_____	On Call PED announces his assumption of PED duties from SM over Plant PA
	Site Area Emergency *(if applicable)*
_____	SAE - EAL recognized by PED
_____	SAE - Declared by PED
_____	SAE - Crash call completed
_____	SAE - Alerting Tone sounded
_____	SAE - PA announcement completed
_____	SAE - NRC notification completed
_____	SAE - direction to commence controlled evacuation given
	General Emergency *(if applicable)*
_____	GE - EAL recognized by PED
_____	GE - Declared by PED
_____	GE - Crash call completed
_____	GE - Alerting Tone sounded
_____	GE - PA announcement completed
_____	GE - NRC notification completed
	Other Items Warranting Input *(if applicable)*
_____	PED passed RM duties to on-call EOF RM
_____	PA announcement of RM duties now being assumed by on-call EOF RM
_____	TSC Director informed of habitability status of TSC
_____	PED informed of establishment of road blocks
_____	
_____	
_____	TSC Staff secured from Exercise

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

POINTS OF REVIEW

1.1 At what times did the center receive notification of emergency classification levels (ECLs)?

ECL	TIME NOTIFIED
Unusual Event	_____
Alert	_____
Site Area Emergency	_____
General Emergency	_____

1.2 Did all 60 minute responders arrive at the center in the time allotted?

YES ___ NO ___ N/A ___

1.3 Were all emergency center positions staffed? If not, list those that weren't.

YES ___ NO ___ N/A ___

_____

_____

1.4 At what times did the activation process for this facility begin and end?

Begin:_____ End:_____

1.5 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

_____

_____

_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 2: FACILITIES-EQUIPMENT, DISPLAYS AND WORK ENVIRONMENT

Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.

POINTS OF REVIEW

2.1 Was update of the status board(s) done promptly (i.e., within about 10 minutes) following receipt of significant changes in event information at the nuclear power plant? If not, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

2.2 Was acceptable accountability maintained for the center (OSC,TSC,CR)?

YES ___ NO ___ N/A ___

2.3 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

POINTS OF REVIEW

3.1 Were the following actions performed by the Center Director or designee? (Indicate YES, NO, N/A, or N/O in the space provided for each item.)

___ Issued appropriate instructions to staff
___ Conducted staff meetings and briefings, as necessary
___ Resolved jurisdictional or decision-making authority conflicts
___ Provided leadership in decision making
___ Involved staff in decision making
___ Directed coordination with other jurisdictions
___ Authorized implementation of protective action recommendations

3.2 Did the Center Director or designee demonstrate the ability to direct the center in performing its essential functions?

YES ___ NO ___ N/A ___

3.3. In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 4: COMMUNICATIONS

Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

POINTS OF REVIEW

4.1 Did the staff in this facility demonstrate proficiency in the use of the available communications systems? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

4.2 Did this facility find alternate ways to communicate with other organizations without undue delay when malfunctions or breakdowns in equipment occurred?

YES ___ NO ___ N/A ___

4.4 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S) OSC, TSC, MUDAC

OBJECTIVE 5: EMERGENCY WORKER EXPOSURE CONTROL

Demonstrate the capability to continuously monitor and control radiation exposure to emergency workers.

POINTS OF REVIEW

5.1 Were the direct-reading dosimeters zeroed and/or the initial readings recorded prior to deployment?

YES ___ NO ___ N/A ___

5.2 Were emergency workers aware of their maximum authorized mission exposure limit?

YES ___ NO ___ N/A ___

(a) If yes, what exposure limit did they indicate?

_____

5.3 Were emergency workers authorized to terminate their mission by their own decisions if a turn-back value was reached?

YES ___ NO ___ N/A ___

(a) What turn-back value(s) did they use?

_____

(b) Whom would they contact? Specify individual by title and organization.

_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S) OSC, TSC, MUDAC

OBJECTIVE 5: EMERGENCY WORKER EXPOSURE CONTROL

POINTS OF REVIEW

5.4 Did emergency workers monitor their own exposure?

YES ___ NO ___ N/A ___

(a) If yes, were dosimeters read at critical points as dictated by area conditions or the potential for exposure?

YES ___ NO ___ N/A ___

(b) Was personal dosimetry worn in the proper location?

YES ___ NO ___ N/A ___

5.5 Were emergency workers made aware of the potential need to take potassium iodide (KI) for thyroid blocking?

YES ___ NO ___ N/A ___

5.6 Were emergency workers, who were assigned special missions, briefed regarding higher dose limits authorized for these assignments?

YES ___ NO ___ N/A ___

(a) Was any special administrative approval required for these higher dose limits?

YES ___ NO ___ N/A ___

5.7 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____TSC, MUDAC_____

OBJECTIVE 9: PLUME PROTECTIVE ACTION RECOMMENDATIONS (PARS)

Demonstrate the capability to make timely and appropriate action recommendations (PARs).

POINTS OF REVIEW

9.1 What PARs were made and when were they made? (Types of plume PARs to be addressed include: shelter, evacuation, and use of potassium iodide (KI).

PAR#	TYPE OF PROTECTIVE ACTION	TIME	ECL
____	_____	____	____
____	_____	____	____
____	_____	____	____
____	_____	____	____
____	_____	____	____

9.2 Which of the following factors were considered in subsequent PARs? (Please indicate YES, NO, N/A, or N/O in the space provided for each item.)

___ Plant conditions and emergency classification level
___ Projected dose based on release estimates and meteorological conditions
___ Projected dose based on plant conditions and emergency action levels
___ Projected dose based on simulated field measurements and-meteorological conditions
___ Shelter availability
___ Evacuation time estimates
___ Relative dose savings between evacuation and sheltering
___ Risk from evacuation
___ Weather conditions
___ Other (Specify)_____

9.3 Were appropriate decision makers involved in the PAR process--was the PAD making group effective?

YES ___ NO ___ N/A ___

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____TSC_____

1. For Alerts, Site Area and General Emergencies, demonstrate that the TSC can be activated and prepared to perform required functions within about 1 hour after declaration of the emergency (82301-03.02.01b.2.a)

   YES ___ NO ___ N/A ___

2. Demonstrate the ability of the TSC to assess plant conditions and determine the proper emergency classification (82301-03.02.01b.2.b)

   YES ___ NO ___ N/A ___

3. Demonstrate the ability of the TSC to assess and direct actions to mitigate the consequences of an emergency (82301-03.02.01b.2.b)

   YES ___ NO ___ N/A ___

4. Demonstrate the ability of the TSC personnel to initiate onsite and offsite sampling and monitoring and perform dose assessment if a release is in progress (82301-03.02.01b.2.c)

   YES ___ NO ___ N/A ___

5. Demonstrate the ability of the TSC to determine the necessary protective actions for onsite and offsite personnel without waiting for dose assessment (82301-03.02.01b.2.d)

   YES ___ NO ___ N/A ___

6. Demonstrate the ability of the TSC to promptly notify onsite personnel of emergency events, classifications and actions (82301-03.02.01b.2.e)

   YES ___ NO ___ N/A ___

7. Demonstrate the ability of the TSC to implement appropriate protective actions and perform personnel accountability (82301-03.02.01b.2.f)

   YES ___ NO ___ N/A ___

8. Demonstrate the ability of the TSC Director to communicate with onsite and offsite emergency response personnel when making decisions and implement corrective actions in an effective and timely manner (82301-03.02.01b.2.g)

YES ___ NO ___ N/A ___

9. If appropriate, demonstrate the ability of the TSC to request a post-accident containment air or primary water sample to confirm the composition of the release (82301-03.02.01b.2.h)

YES ___ NO ___ N/A ___

10. Demonstrate the ability of the TSC to deploy and direct initial field sampling teams and use the results of the monitoring to redefine the source term and projected doses (82301-03.02.01b.2.i)

YES ___ NO ___ N/A ___

11. Demonstrate the ability of the TSC to communicate effectively with the control room and other emergency response personnel and centers and adequately brief relief personnel (82301-03.02.01b.2.j)

YES ___ NO ___ N/A ___

TIME LINE WORKSHEET
EXERCISE 92

EVALUATOR NAME	ORGANIZATION

TIME LINE WORKSHEET FOR:

(List the Center [&/or] Team [&/or] Personnel involved) **CENTRAL ALARM STATION *(Security)***

TIME	EVENT
_____	Unusual Event radio announcement completed
_____	Alert radio announcement completed
_____	Site Area radio announcement completed
_____	Road blocks implemented
_____	Dosimetry relocated
_____	Accountability computer printout sent to OSC
_____	
_____	
_____	
_____	
_____	
_____	
_____	
_____	CAS staff secured from the Exercise

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

POINTS OF REVIEW

1.1 At what times did the center receive notification of emergency classification levels (ECLs)?

ECL	TIME NOTIFIED
Unusual Event	_____
Alert	_____
Site Area Emergency	_____
General Emergency	_____

1.2 Did all 60 minute responders arrive at the center in the time allotted?

YES ___ NO ___ N/A ___

1.3 Were all emergency center positions staffed? If not, list those that weren't.

YES ___ NO ___ N/A ___

_____

_____

1.4 At what times did the activation process for this facility begin and end?

Begin:_____ End:_____

1.5 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

_____

_____

_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 2: FACILITIES-EQUIPMENT, DISPLAYS AND WORK ENVIRONMENT

Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.

POINTS OF REVIEW

2.1 Was update of the status board(s) done promptly (i.e., within about 10 minutes) following receipt of significant changes in event information at the nuclear power plant? If not, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

2.2 Was acceptable accountability maintained for the center (OSC,TSC,CR)?

YES ___ NO ___ N/A ___

2.3 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

POINTS OF REVIEW

3.1 Were the following actions performed by the Center Director or designee? (Indicate YES, NO, N/A, or N/O in the space provided for each item.)

___ Issued appropriate instructions to staff
___ Conducted staff meetings and briefings, as necessary
___ Resolved jurisdictional or decision-making authority conflicts
___ Provided leadership in decision making
___ Involved staff in decision making
___ Directed coordination with other jurisdictions
___ Authorized implementation of protective action recommendations

3.2 Did the Center Director or designee demonstrate the ability to direct the center in performing its essential functions?

YES ___ NO ___ N/A ___

3.3. In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 4: COMMUNICATIONS

Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

POINTS OF REVIEW

4.1 Did the staff in this facility demonstrate proficiency in the use of the available communications systems? *If no, provide comments below.*

YES ___ NO ___ N/A ___

Comments:_____

4.2 Did this facility find alternate ways to communicate with other organizations without undue delay when malfunctions or breakdowns in equipment occurred?

YES ___ NO ___ N/A ___

4.4 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

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TIME LINE WORKSHEET
EXERCISE 92

EVALUATOR NAME	ORGANIZATION

TIME LINE WORKSHEET FOR:

(List the Center [&/or] Team [&/or] Personnel involved): **SUPPLY SYSTEM DECISION CENTER**

TIME	EVENT
_____	EOF declared activated
_____	PA announcement in EOF that EOF is operational
_____	On-Call EOF-RM assumes command of RM duties from PED
_____	PA announcement in EOF that EOF-RM has assumed duties
_____	PA announcement of hazards
_____	PA Announcement of Classification Changes *(specify type)*
_____	PA Announcement of Classification Changes *(specify type)*

Crash Calls Completed:
Indicate completion time, emergency class, PAD & other major contents

_____ SSDC staff secured from Exercise

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

POINTS OF REVIEW

1.1 At what times did the center receive notification of emergency classification levels (ECLs)?

ECL	TIME NOTIFIED
Unusual Event	_____
Alert	_____
Site Area Emergency	_____
General Emergency	_____

1.2 Did all 60 minute responders arrive at the center in the time allotted?

YES ___ NO ___ N/A ___

1.3 Were all emergency center positions staffed? If not, list those that weren't.

YES ___ NO ___ N/A ___

_____

_____

1.4 At what times did the activation process for this facility begin and end?

Begin:_____ End:_____

1.5 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

_____

_____

_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL____

OBJECTIVE 2: FACILITIES-EQUIPMENT, DISPLAYS AND WORK ENVIRONMENT

Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.

POINTS OF REVIEW

2.1 Was update of the status board(s) done promptly (i.e., within about 10 minutes) following receipt of significant changes in event information at the nuclear power plant? If not, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

2.2 Was acceptable accountability maintained for the center (OSC,TSC,CR)?

YES ___ NO ___ N/A ___.

2.3 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

POINTS OF REVIEW

3.1 Were the following actions performed by the Center Director or designee? (Indicate YES, NO, N/A, or N/O in the space provided for each item.)

____ Issued appropriate instructions to staff
____ Conducted staff meetings and briefings, as necessary
____ Resolved jurisdictional or decision-making authority conflicts
____ Provided leadership in decision making
____ Involved staff in decision making
____ Directed coordination with other jurisdictions
____ Authorized implementation of protective action recommendations

3.2 Did the Center Director or designee demonstrate the ability to direct the center in performing its essential functions?

YES ___ NO ___ N/A ___

3.3. In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 4: COMMUNICATIONS

Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

POINTS OF REVIEW

4.1 Did the staff in this facility demonstrate proficiency in the use of the available communications systems? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

4.2 Did this facility find alternate ways to communicate with other organizations without undue delay when malfunctions or breakdowns in equipment occurred?

YES ___ NO ___ N/A ___

4.4 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)_____SSDC_____

1. For Site Area and General Emergencies, demonstrate that the Emergency Operations Facility (EOF) can be activated and prepared to perform required functions within about 1 hour after declaration of the emergency (82301-03.02.01b.3.a)

   YES ___ NO ___ N/A ___

2. Demonstrate the ability of the EOF to deploy environmental sampling teams to appropriate locations, promptly and correctly project direction and maximum dose within the plume EPZ and the distance to which EPA PAGs are projected to be exceeded and perform dose assessment if a release is in progress (82301-03.02.01b.3.b)

   YES ___ NO ___ N/A ___

3. Upon activation, demonstrate the ability of the EOF to make offsite protective action recommendations (82301-03.02.01b.3.c)

   YES ___ NO ___ N/A ___

4. Demonstrate the ability of the EOF to set up and maintain a communications channel to offsite authorities, including NRC and keep them informed of emergency conditions (82301-03.02.01b.3.d)

   YES ___ NO ___ N/A ___

5. Demonstrate the ability to brief offsite representatives at the EOF and keep them informed of emergency conditions (82301-03.02.01b.3.f)

   YES ___ NO ___ N/A ___

6. Demonstrate the ability of the EOF to communicate effectively with corporate headquarters and other emergency response personnel and centers and to obtain outside resources in a timely manner, when requested (82301-03.02.01b.3.g)

   YES ___ NO ___ N/A ___

TIME LINE WORKSHEET
EXERCISE 92

EVALUATOR NAME	ORGANIZATION

TIME LINE WORKSHEET FOR:

(List the Center [&/or] Team [&/or] Personnel involved) **EOF COMMUNICATIONS CENTER**

TIME	EVENT
	Unusual Event
_____	UE - EOFCC Crash Calls completed
_____	UE - Part IIA responders identified
_____	UE - Part IIB responders identified
_____	UE - EOF PA announcment completed
_____	UE - Part III notifications complete
	Alert
_____	ALERT - EOFCC Crash Calls completed
_____	ALERT - Part IIA responders identified
_____	ALERT - Part IIB responders identified
_____	ALERT - EOF PA announcment completed
_____	ALERT - Part III notifications complete
	Site Area Emergency
_____	SAE - EOFCC Crash Calls completed
_____	SAE - Part IIA responders identified
_____	SAE - Part IIB responders identified
_____	SAE - EOF PA announcment completed
_____	SAE - Part III notifications complete
	General Emergency
_____	GE - EOFCC Crash Calls completed
_____	GE - Part IIA responders identified
_____	GE - Part IIB responders identified
_____	GE - EOF PA announcment completed
_____	GE - Part III notifications complete
_____	EOFCC Staff secured from Exercise

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

POINTS OF REVIEW

1.1 At what times did the center receive notification of emergency classification levels (ECLs)?

ECL	TIME NOTIFIED
Unusual Event	_____
Alert	_____
Site Area Emergency	_____
General Emergency	_____

1.2 Did all 60 minute responders arrive at the center in the time allotted?

YES ___ NO ___ N/A ___

1.3 Were all emergency center positions staffed? If not, list those that weren't.

YES ___ NO ___ N/A ___

_____

_____

1.4 At what times did the activation process for this facility begin and end?

Begin:_____ End:_____

1.5 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

_____

_____

_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S) ALL

OBJECTIVE 2: FACILITIES-EQUIPMENT, DISPLAYS AND WORK ENVIRONMENT

Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.

POINTS OF REVIEW

2.1 Was update of the status board(s) done promptly (i.e., within about 10 minutes) following receipt of significant changes in event information at the nuclear power plant? If not, provide comments below.

YES ___ NO ___ N/A ___

Comments: _____

2.2 Was acceptable accountability maintained for the center (OSC,TSC,CR)?

YES ___ NO ___ N/A ___

2.3 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments: _____

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

POINTS OF REVIEW

3.1 Were the following actions performed by the Center Director or designee? (Indicate YES, NO, N/A, or N/O in the space provided for each item.)

___ Issued appropriate instructions to staff
___ Conducted staff meetings and briefings, as necessary
___ Resolved jurisdictional or decision-making authority conflicts
___ Provided leadership in decision making
___ Involved staff in decision making
___ Directed coordination with other jurisdictions
___ Authorized implementation of protective action recommendations

3.2 Did the Center Director or designee demonstrate the ability to direct the center in performing its essential functions?

YES ___ NO ___ N/A ___

3.3. In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 4: COMMUNICATIONS

Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

POINTS OF REVIEW

4.1 Did the staff in this facility demonstrate proficiency in the use of the available communications systems? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

4.2 Did this facility find alternate ways to communicate with other organizations without undue delay when malfunctions or breakdowns in equipment occurred?

YES ___ NO ___ N/A ___

4.4 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

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TIME LINE WORKSHEET
EXERCISE 92

EVALUATOR NAME	ORGANIZATION

TIME LINE WORKSHEET FOR:

(List the Center [&/or] Team [&/or] Personnel involved) **SECURITY DECISION CENTER**

TIME	EVENT
_____	Security Decision Center declared activated
_____	SDC secured from Exercise

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

POINTS OF REVIEW

1.1 At what times did the center receive notification of emergency classification levels (ECLs)?

ECL	TIME NOTIFIED
Unusual Event	_____
Alert	_____
Site Area Emergency	_____
General Emergency	_____

1.2 Did all 60 minute responders arrive at the center in the time allotted?

YES ___ NO ___ N/A ___

1.3 Were all emergency center positions staffed? If not, list those that weren't.

YES ___ NO ___ N/A ___

_____

_____

1.4 At what times did the activation process for this facility begin and end?

Begin:_____ End:_____

1.5 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

_____

_____

_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S) ALL

OBJECTIVE 2: FACILITIES-EQUIPMENT, DISPLAYS AND WORK ENVIRONMENT

Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.

POINTS OF REVIEW

2.1 Was update of the status board(s) done promptly (i.e., within about 10 minutes) following receipt of significant changes in event information at the nuclear power plant? If not, provide comments below.

YES ___ NO ___ N/A ___

Comments: _____

2.2 Was acceptable accountability maintained for the center (OSC,TSC,CR)?

YES ___ NO ___ N/A ___

2.3 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments: _____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

POINTS OF REVIEW

3.1 Were the following actions performed by the Center Director or designee? (Indicate YES, NO, N/A, or N/O in the space provided for each item.)

___ Issued appropriate instructions to staff
___ Conducted staff meetings and briefings, as necessary
___ Resolved jurisdictional or decision-making authority conflicts
___ Provided leadership in decision making
___ Involved staff in decision making
___ Directed coordination with other jurisdictions
___ Authorized implementation of protective action recommendations

3.2 Did the Center Director or designee demonstrate the ability to direct the center in performing its essential functions?

YES ___ NO ___ N/A ___

3.3. In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 4: COMMUNICATIONS

Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

POINTS OF REVIEW

4.1 Did the staff in this facility demonstrate proficiency in the use of the available communications systems? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

4.2 Did this facility find alternate ways to communicate with other organizations without undue delay when malfunctions or breakdowns in equipment occurred?

YES ___ NO ___ N/A ___

4.4 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)_____SDC_____

1. For Site Area and General Emergencies, demonstrate that the Emergency Operations Facility (EOF) can be activated and prepared to perform required functions within about 1 hour after declaration of the emergency (82301-03.02.01b.3.a)

   YES ___ NO ___ N/A ___

2. Demonstrate the ability of the EOF to set up and maintain a communications channel to offsite authorities and keep them informed of emergency conditions (82301-03.02.01b.3.d)

   YES ___ NO ___ N/A ___

3. Demonstrate the ability to brief offsite representatives at the EOF and keep them informed of emergency conditions (82301-03.02.01b.3.f)

   YES ___ NO ___ N/A ___

4. Demonstrate the ability of the EOF to communicate effectively with corporate headquarters other emergency response personnel and centers and to obtain outside resources in a timely manner, when requested (82301-03.02.01b.3.g)

   YES ___ NO ___ N/A ___

TIME LINE WORKSHEET
EXERCISE 92

EVALUATOR NAME	ORGANIZATION

TIME LINE WORKSHEET FOR:

(List the Center [&/or] Team [&/or] Personnel involved) **OFFSITE AGENCY COORDINATION CENTER**

TIME	EVENT
_____	Offsite Agency Coordination Center declared activated
_____	Offsite Agency Coordination Center secured from Exercise

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

POINTS OF REVIEW

1.1 At what times did the center receive notification of emergency classification levels (ECLs)?

ECL	TIME NOTIFIED
Unusual Event	_____
Alert	_____
Site Area Emergency	_____
General Emergency	_____

1.2 Did all 60 minute responders arrive at the center in the time allotted?

YES ___ NO ___ N/A ___

1.3 Were all emergency center positions staffed? If not, list those that weren't.

YES ___ NO ___ N/A ___

_____

_____

1.4 At what times did the activation process for this facility begin and end?

Begin:_____ End:_____

1.5 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

_____

_____

_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 2: FACILITIES-EQUIPMENT, DISPLAYS AND WORK ENVIRONMENT

Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.

POINTS OF REVIEW

2.1 Was update of the status board(s) done promptly (i.e., within about 10 minutes) following receipt of significant changes in event information at the nuclear power plant? If not, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

2.2 Was acceptable accountability maintained for the center (OSC,TSC,CR)?

YES ___ NO ___ N/A ___

2.3 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

POINTS OF REVIEW

3.1 Were the following actions performed by the Center Director or designee? (Indicate YES, NO, N/A, or N/O in the space provided for each item.)

___ Issued appropriate instructions to staff
___ Conducted staff meetings and briefings, as necessary
___ Resolved jurisdictional or decision-making authority conflicts
___ Provided leadership in decision making
___ Involved staff in decision making
___ Directed coordination with other jurisdictions
___ Authorized implementation of protective action recommendations

3.2 Did the Center Director or designee demonstrate the ability to direct the center in performing its essential functions?

YES ___ NO ___ N/A ___

3.3. In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S) ALL

OBJECTIVE 4: COMMUNICATIONS

Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

POINTS OF REVIEW

4.1 Did the staff in this facility demonstrate proficiency in the use of the available communications systems? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

4.2 Did this facility find alternate ways to communicate with other organizations without undue delay when malfunctions or breakdowns in equipment occurred?

YES ___ NO ___ N/A ___

4.4 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

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TIME LINE WORKSHEET
EXERCISE 92

EVALUATOR NAME	ORGANIZATION

TIME LINE WORKSHEET FOR:

(List the Center [&/or] Team [&/or] Personnel involved) **TECHNICAL DATA CENTER**

TIME	EVENT
_____	Technical Data Center declared activated
_____	Technical Data Center secured from Exercise

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

POINTS OF REVIEW

1.1 At what times did the center receive notification of emergency classification levels (ECLs)?

ECL	TIME NOTIFIED
Unusual Event	_____
Alert	_____
Site Area Emergency	_____
General Emergency	_____

1.2 . Did all 60 minute responders arrive at the center in the time allotted?

YES ___ NO ___ N/A ___

1.3 Were all emergency center positions staffed? If not, list those that weren't.

YES ___ NO ___ N/A ___

_____

_____

1.4 At what times did the activation process for this facility begin and end?

Begin:_____ End:_____

1.5 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

_____

_____

_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 2: FACILITIES-EQUIPMENT, DISPLAYS AND WORK ENVIRONMENT

Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.

POINTS OF REVIEW

2.1 Was update of the status board(s) done promptly (i.e., within about 10 minutes) following receipt of significant changes in event information at the nuclear power plant? If not, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

2.2 Was acceptable accountability maintained for the center (OSC,TSC,CR)?

YES ___ NO ___ N/A ___

2.3 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S) ALL

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

POINTS OF REVIEW

3.1 Were the following actions performed by the Center Director or designee? (Indicate YES, NO, N/A, or N/O in the space provided for each item.)

___ Issued appropriate instructions to staff
___ Conducted staff meetings and briefings, as necessary
___ Resolved jurisdictional or decision-making authority conflicts
___ Provided leadership in decision making
___ Involved staff in decision making
___ Directed coordination with other jurisdictions
___ Authorized implementation of protective action recommendations

3.2 Did the Center Director or designee demonstrate the ability to direct the center in performing its essential functions?

YES ___ NO ___ N/A ___

3.3. In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments: _____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S) ALL

OBJECTIVE 4: COMMUNICATIONS

Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

POINTS OF REVIEW

4.1 Did the staff in this facility demonstrate proficiency in the use of the available communications systems? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

4.2 Did this facility find alternate ways to communicate with other organizations without undue delay when malfunctions or breakdowns in equipment occurred?

YES ___ NO ___ N/A ___

4.4 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)_____TDC_____

1. For Site Area and General Emergencies, demonstrate that the Emergency Operations Facility (EOF) can be activated and prepared to perform required functions within about 1 hour after declaration of the emergency (82301-03.02.01b.3.a)

   YES ___ NO ___ N/A ___

2. Upon activation, demonstrate the ability of the EOF to make offsite protective action recommendations (82301-03.02.01b.3.c)

   YES ___ NO ___ N/A ___

3. Demonstrate the ability of the EOF to set up and maintain a communications channel to offsite authorities and keep them informed of emergency conditions (82301-03.02.01b.3.d)

   YES ___ NO ___ N/A ___

4. Demonstrate the ability to brief offsite representatives at the EOF and keep them informed emergency conditions (82301-03.02.01b.3.f)

   YES ___ NO ___ N/A ___

5. Demonstrate the ability of the EOF to communicate effectively with corporate headquarters and other emergency response personnel and centers and to obtain outside resources in a timely manner, when requested (82301-03.02.01b.3.g)

   YES ___ NO ___ N/A ___

TIME LINE WORKSHEET
EXERCISE 92

EVALUATOR NAME	ORGANIZATION

TIME LINE WORKSHEET FOR:

(List the Center [&/or] Team [&/or] Personnel involved) **MUDAC**

TIME	EVENT
_____	MUDAC activated
_____	State MUDAC staff arrive
_____	DOE-RL MUDAC Staff arrive
_____	First Supply System Field Team dispatched from MUDAC
_____	Last Supply System Field Team dispatched from MUDAC
_____	Contact with DOE Radiological Assessment Teams
_____	First MUDAC dose projection completed
_____	Plume definition acheived by MUDAC Staff
_____	First dose projection map submitted by MUDAC staff to REM
_____	First Field Team status map submitted by MUDAC staff to REM
_____	Need for KI evaluated
_____	KI recommendation ("YES" / "NO") to REM

Dose Projection PAR's submitted to REM

list PAR number & time and attach cc of PAR to this worksheet

_____ _____

_____ _____

_____ _____

_____ _____

_____ MUDAC Staff secured from Exercise

TIME LINE WORKSHEET
EXERCISE 92

EVALUATOR NAME	ORGANIZATION

TIME LINE WORKSHEET FOR:

(List the Center [&/or] Team [&/or] Personnel involved) **FIELD TEAMS** ***(submit just one sheet)***

TIME	EVENT
_____	All Table B.1 Field Team members present in EOF (6 req'd)
_____	First Field Team ready for deployment. F/T no. _____
_____	Last Field Team ready for deployment. F/T no. _____
_____	First F/T reports reading above background at *(specify grid location of the reading)* _____
_____	River Evacuation F/T at Leslie Groves Park
_____	First air sample ordered. F/T no. _____
_____	First air sample results reported to MUDAC. F/T no. _____
_____	Contamination boundaries established.
_____	Field Teams secured from the Exercise

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

POINTS OF REVIEW

1.1 At what times did the center receive notification of emergency classification levels (ECLs)?

ECL	TIME NOTIFIED
Unusual Event	_____
Alert	_____
Site Area Emergency	_____
General Emergency	_____

1.2 Did all 60 minute responders arrive at the center in the time allotted?

YES ___ NO ___ N/A ___

1.3 Were all emergency center positions staffed? If not, list those that weren't.

YES ___ NO ___ N/A ___

_____

_____

1.4 At what times did the activation process for this facility begin and end?

Begin:_____ End:_____

1.5 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

_____

_____

_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 2: FACILITIES-EQUIPMENT, DISPLAYS AND WORK ENVIRONMENT

Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.

POINTS OF REVIEW

2.1 Was update of the status board(s) done promptly (i.e., within about 10 minutes) following receipt of significant changes in event information at the nuclear power plant? If not, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

2.2 Was acceptable accountability maintained for the center (OSC,TSC,CR)?

YES ___ NO ___ N/A ___

2.3 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

POINTS OF REVIEW

3.1 Were the following actions performed by the Center Director or designee? (Indicate YES, NO, N/A, or N/O in the space provided for each item.)

___ Issued appropriate instructions to staff
___ Conducted staff meetings and briefings, as necessary
___ Resolved jurisdictional or decision-making authority conflicts
___ Provided leadership in decision making
___ Involved staff in decision making
___ Directed coordination with other jurisdictions
___ Authorized implementation of protective action recommendations

3.2 Did the Center Director or designee demonstrate the ability to direct the center in performing its essential functions?

YES ___ NO ___ N/A ___

3.3. In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S) ALL

OBJECTIVE 4: COMMUNICATIONS

Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

POINTS OF REVIEW

4.1 Did the staff in this facility demonstrate proficiency in the use of the available communications systems? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

4.2 Did this facility find alternate ways to communicate with other organizations without undue delay when malfunctions or breakdowns in equipment occurred?

YES ___ NO ___ N/A ___

4.4 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S) OSC, TSC, MUDAC

OBJECTIVE 5: EMERGENCY WORKER EXPOSURE CONTROL

Demonstrate the capability to continuously monitor and control radiation exposure to emergency workers.

POINTS OF REVIEW

5.1 Were the direct-reading dosimeters zeroed and/or the initial readings recorded prior to deployment?

YES ___ NO ___ N/A ___

5.2 Were emergency workers aware of their maximum authorized mission exposure limit?

YES ___ NO ___ N/A ___

(a) If yes, what exposure limit did they indicate?

_____

5.3 Were emergency workers authorized to terminate their mission by their own decisions if a turn-back value was reached?

YES ___ NO ___ N/A ___

(a) What turn-back value(s) did they use?

_____

(b) Whom would they contact? Specify individual by title and organization.

_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S) OSC, TSC, MUDAC

OBJECTIVE 5: EMERGENCY WORKER EXPOSURE CONTROL

POINTS OF REVIEW

5.4 Did emergency workers monitor their own exposure?

YES ___ NO ___ N/A ___

(a) If yes, were dosimeters read at critical points as dictated by area conditions or the potential for exposure?

YES ___ NO ___ N/A ___

(b) Was personal dosimetry worn in the proper location?

YES ___ NO ___ N/A ___

5.5 Were emergency workers made aware of the potential need to take potassium iodide (KI) for thyroid blocking?

YES ___ NO ___ N/A ___

5.6 Were emergency workers, who were assigned special missions, briefed regarding higher dose limits authorized for these assignments?

YES ___ NO ___ N/A ___

(a) Was any special administrative approval required for these higher dose limits?

YES ___ NO ___ N/A ___

5.7 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments: _____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____MUDAC_____

OBJECTIVE 6: PLUME DOSE RADIATION

Demonstrate the capability to develop dose projections and protective action recommendations regarding evacuation and sheltering.

POINTS OF REVIEW

6.1 Were dose projections and PARs accurate and made in a timely manner?

YES ___ NO ___ N/A ___

(a) At what times were PARs made? _____

_____

(b) Was the CNF form completed correctly for PAR information?

YES ___ NO ___ N/A ___

(c) Was PAR information transmitted in a timely manner between centers and to offsite agencies?

YES ___ NO ___ N/A ___

6.2 If a computer was used as the primary means for calculating projected dose, was a backup method demonstrated?

YES ___ NO ___ N/A ___

6.3 For what exposure pathway(s) were dose projections made? (Check projection(s) made.)

___ Whole body gamma
___ Iodine inhalation
___ Other (Specify)_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____MUDAC_____

OBJECTIVE 6: PLUME DOSE RADIATION

POINTS OF REVIEW

6.4 Were there any changes to PARs based on dose projections by the facility?

YES ___ NO ___ N/A ___

(a) At what time were these PARs made?_____

(b) Was the plot(s) of the area(s) for evacuation and sheltering changed on maps or displays to show these revised PARs?

YES ___ NO ___ N/A ___

6.5 Were monitoring data made available to the dose assessment group regarding the boundaries of the plume?

YES ___ NO ___ N/A ___

(a) If yes, when were the first data received by the dose assessment group?

_____

6.6 Was it possible for the dose assessment group to identify the plume location on the basis of field monitoring data?

YES ___ NO ___ N/A ___

(a) If yes, was the plume location plotted on a map on the basis of these monitoring data?

YES ___ NO ___ N/A ___

6.7 Were PARs revised on the basis of field radiation measurements?

YES ___ NO ___ N/A ___

(a) If yes, at what time were these revisions transmitted to decision makers?

_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____MUDAC_____

OBJECTIVE 6: PLUME DOSE RADIATION

POINTS OF REVIEW

6.8 Was the dose assessment group provided with radiological data regarding maximum gamma exposure rates from plume crossings by field teams?

YES ___ NO ___ N/A ___

(a) Were these measurements used as a basis for additional dose projections?

YES ___ NO ___ N/A ___

(b) If yes, were earlier PARs changed on the basis of these dose projections?

YES ___ NO ___ N/A ___

(c) If yes, at what time were these revised PARs transmitted to the decision makers?

TIME	PROTECTIVE ACTION RECOMMENDATION (PAR)

6.9 Were appropriate plume maps and associated information included in the transmissions?

YES ___ NO ___ N/A ___

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____MUDAC_____

OBJECTIVE 6: PLUME DOSE RADIATION

POINTS OF REVIEW

6.10 Was the dose assessment group provided with monitoring data regarding radioiodine and corresponding gamma exposure rate measurements in the plume?

YES ___ NO ___ N/A ___

(a) If yes, when were these data received by the dose assessment group?

_____

(b) From how many locations was this information received?

_____

(c) Was this information used as a basis for dose projections?

YES ___ NO ___ N/A ___

(d) If yes, were earlier PARs changed on the basis of these dose projections?

YES ___ NO ___ N/A ___

(e) If yes, at what time were these revised PARs transmitted to the decision makers?

_____

6.11 Did the dose projection group calculate a conversion factor to translate the gamma exposure rate measurements from the plume into corresponding radioiodine concentrations?

YES ___ NO ___ N/A ___

(a) Were additional conversion factors calculated whenever new data became available?

YES ___ NO ___ N/A ___

6.12 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures?

YES ___ NO ___ N/A ___

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____FIELD TEAMS_____

OBJECTIVE 7: FIELD RADIOLOGICAL MONITORING - AMBIENT RADIATION MONITORING

Demonstrate the appropriate use of equipment and procedures for determining full radiation measurements.

POINTS OF REVIEW

7.1 Did the team check their equipment list prior to deployment to assure that none of it was missing?

YES ___ NO ___ N/A ___

(a) If equipment was missing, was replacement equipment obtained prior to deployment?

YES ___ NO ___ N/A ___

7.2 Did the team perform a battery check on all equipment that requires batteries for operation?

YES ___ NO ___ N/A ___

7.3 Were radio communication checks demonstrated?

YES ___ NO ___ N/A ___

7.4 Did the team check for proper operational response of each survey instrument with a radioactive check source, where appropriate, or perform an internal operational check of the survey instrument?

YES ___ NO ___ N/A ___

(a) If an instrument demonstrated improper operation, was backup equipment provided?

YES ___ NO ___ N/A ___

7.5 Was each survey instrument labeled with the date of most recent calibration or date that next calibration is due?

YES ___ NO ___ N/A ___

(a) Were the calibration dates, above, within 12 months of the exercise date?

YES ___ NO ___ N/A ___

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____FIELD TEAMS_____

OBJECTIVE 7: FIELD RADIOLOGICAL MONITORING - AMBIENT RADIATION MONITORING

POINTS OF REVIEW

7.6 Was the team briefed on the following before deployment?

(a) Plant and meteorological conditions

YES ___ NO ___ N/A ___

(b) Exposure control procedures, including use of potassium iodide (KI)

YES ___ NO ___ N/A ___

(c) Survey procedures to be followed

YES ___ NO ___ N/A ___

(d) Starting point for the radiation measurements

YES ___ NO ___ N/A ___

(e) Locations that were assigned to be monitored

YES ___ NO ___ N/A ___

7.7 Did the monitoring team arrive at the assigned monitoring location without excessive delay?

YES ___ NO ___ N/A ___

7.8 List the monitoring locations where radiation measurements were taken and the time when the measurements were taken. (If applicable, attach a list of additional monitoring locations and times.)

MONITORING LOCATION	TIME OF MEASUREMENT
_____	_____
_____	_____
_____	_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ FIELD TEAMS_____

OBJECTIVE 7: FIELD RADIOLOGICAL MONITORING - AMBIENT RADIATION MONITORING

POINTS OF REVIEW

7.9 If the plume was found, were the following readings taken at approximately waist level and near the ground (i.e., within two to three inches of the ground)? (Indicate YES, NO, N/A, or N/O in the space provided for each item).

____ Waist level -- closed window
____ Waist level -- open window
____ Near-ground level -- open window
____ Near-ground level -- closed window

(a) If open-window readings were taken, was the open window pointed down for the near-ground-level reading?

YES ____ NO ____ N/A ____

7.10 Were plume traverse measurements taken to determine peak exposure rates in the downwind direction?

YES ____ NO ____ N/A ____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____FIELD TEAMS_____

OBJECTIVE 8: FIELD RADIOLOGICAL MONITORING - AIRBORNE RADIOIODINE AND PARTICULATE ACTIVITY MONITORING

Demonstrate the appropriate use of equipment and procedures for the measurement of airborne radioiodine concentrations as low as 10^{-7} (0.0000001) microcuries per cubic centimeter in the presence of noble gases and obtain samples of particulate activity in the airborne plume.

POINTS OF REVIEW

8.1 At what times and to what locations were field teams dispatched by the Field Team Coordinator to collect air and particulate samples? (If applicable, attach a list of additional sample locations and times.)

TIME	LOCATION
_____	_____
_____	_____
_____	_____
_____	_____

8.2 Did the field team search for a location with peak gamma exposure rate to take each air sample?

YES ___ NO ___ N/A ___

(a) Were open and closed window exposure rate measurements made to confirm presence of the plume at each sample location?

YES ___ NO ___ N/A ___

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____FIELD TEAMS_____

OBJECTIVE 8: FIELD RADIOLOGICAL MONITORING - AIRBORNE RADIOIODINE AND PARTICULATE ACTIVITY MONITORING

POINTS OF REVIEW

8.3 What flow rates were used in taking the air samples?

_____

(a) How long was the sampling time?

_____ minutes

(b) What was the volume of the air sample(s) taken?

_____ cubic feet

(c) Were gamma exposure rate measurements made while taking each air sample?

YES ___ NO ___ N/A ___

8.4 Was the air sample media removed from the plume and taken to a low-background area for measurement?

YES ___ NO ___ N/A ___

(a) Was the air sample media purged of noble gases?

YES ___ NO ___ N/A ___

(b) Was a field measurement of the gross beta-gamma activity made on the particulate filter?

YES ___ NO ___ N/A ___

(c) Was a field measurement made of the radioactivity on the adsorbent filter cartridge?

YES ___ NO ___ N/A ___

(d) Did field team personnel deviate from established procedures?

YES ___ NO ___ N/A ___

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____FIELD TEAMS_____

OBJECTIVE 8: FIELD RADIOLOGICAL MONITORING - AIRBORNE RADIOIODINE AND PARTICULATE ACTIVITY MONITORING

POINTS OF REVIEW

8.5 Were gamma radiation exposure rate readings at the sampling locations, iodine and particulate sample count rate data promptly and accurately transmitted?

YES ___ NO ___ N/A ___

(a) If the data were not promptly or adequately transmitted, explain.

_____

_____

8.6 Were iodine cartridges and particulate filters bagged and labeled with time, date, location taken, sample identification number and the field sample count rate data for particulates and radioiodines?

YES.___ NO ___ N/A ___

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____TSC, MUDAC_____

OBJECTIVE 9: PLUME PROTECTIVE ACTION RECOMMENDATIONS (PARS)

Demonstrate the capability to make timely and appropriate action recommendations (PARs).

POINTS OF REVIEW

9.1 What PARs were made and when were they made? (Types of plume PARs to be addressed include: shelter, evacuation, and use of potassium iodide (KI).

PAR#	TYPE OF PROTECTIVE ACTION	TIME	ECL
____	_____	_____	____
____	_____	_____	____
____	_____	_____	____
____	_____	_____	____
____	_____	_____	____

9.2 Which of the following factors were considered in subsequent PARs? (Please indicate YES, NO, N/A, or N/O in the space provided for each item.)

____ Plant conditions and emergency classification level
____ Projected dose based on release estimates and meteorological conditions
____ Projected dose based on plant conditions and emergency action levels
____ Projected dose based on simulated field measurements and-meteorological conditions
____ Shelter availability
____ Evacuation time estimates
____ Relative dose savings between evacuation and sheltering
____ Risk from evacuation
____ Weather conditions
____ Other (Specify)_____

9.3 Were appropriate decision makers involved in the PAR process--was the PAD making group effective?

YES ____ NO ____ N/A ____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)_____MUDAC_____

1. For Site Area and General Emergencies, demonstrate that the Emergency Operations Facility (EOF) can be activated and prepared to perform required functions within about 1 hour after declaration of the emergency (82301-03.02.01b.3.a)

   YES ___ NO ___ N/A ___

2. Demonstrate the ability of the EOF to deploy environmental sampling teams to appropriate locations, promptly and correctly project direction and maximum dose within the plume EPZ and the distance to which EPA PAGs are projected to be exceeded and perform dose assessment if a release is in progress (82301-03.02.01b.3.b)

   YES ___ NO ___ N/A ___

3. Upon activation, demonstrate the ability of the EOF to make offsite protective action recommendations (82301-03.02.01b.3.c)

   YES ___ NO ___ N/A ___

4. Demonstrate the ability of the EOF to set up and maintain a communications channel to offsite authorities, including NRC and keep them informed of emergency conditions (82301-03.02.01b.3.d)

   YES ___ NO ___ N/A ___

5. Demonstrate the ability to brief offsite representatives at the EOF and keep them informed of emergency conditions (82301-03.02.01b.3.f)

   YES ___ NO ___ N/A ___

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)_____MUDAC_____

6. Demonstrate the ability of the EOF to communicate effectively with corporate headquarters and other emergency response personnel and centers and to obtain outside resources in a timely manner, when requested (82301-03.02.01b.3.g)

YES ___ NO ___ N/A ___

OFFSITE MONITORING

7. Demonstrate the ability to dispatch offsite monitoring teams in a timely manner and the teams to implement their functions in a timely manner (82301-03.02.01b.6.a)

YES ___ NO ___ N/A ___

8. Demonstrate proficiency of offsite monitoring teams to use protective measures equipment, locate sampling and monitoring locations, collect, bag and label samples and other duties as required to effectively perform their function (82301-03.02.01b.6.b)

YES ___ NO ___ N/A ___

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TIME LINE WORKSHEET
EXERCISE 92

EVALUATOR NAME	ORGANIZATION

TIME LINE WORKSHEET FOR:

(List the Center [&/or] Team [&/or] Personnel involved) **HEALTH PHYSICS CENTER**

TIME	EVENT
_____	Health Physics Center activated
_____	Health Physics Center secured from Exercise

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S) ALL

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

POINTS OF REVIEW

1.1 At what times did the center receive notification of emergency classification levels (ECLs)?

ECL	TIME NOTIFIED
Unusual Event	_____
Alert	_____
Site Area Emergency	_____
General Emergency	_____

1.2 Did all 60 minute responders arrive at the center in the time allotted?

YES ___ NO ___ N/A ___

1.3 Were all emergency center positions staffed? If not, list those that weren't.

YES ___ NO ___ N/A ___

_____

_____

1.4 At what times did the activation process for this facility begin and end?

Begin:_____ End:_____

1.5 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

_____

_____

_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 2: FACILITIES-EQUIPMENT, DISPLAYS AND WORK ENVIRONMENT

Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.

POINTS OF REVIEW

2.1 Was update of the status board(s) done promptly (i.e., within about 10 minutes) following receipt of significant changes in event information at the nuclear power plant? If not, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

2.2 Was acceptable accountability maintained for the center (OSC,TSC,CR)?

YES ___ NO ___ N/A ___

2.3 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S) ALL

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

POINTS OF REVIEW

3.1 Were the following actions performed by the Center Director or designee? (Indicate YES, NO, N/A, or N/O in the space provided for each item.)

___ Issued appropriate instructions to staff
___ Conducted staff meetings and briefings, as necessary
___ Resolved jurisdictional or decision-making authority conflicts
___ Provided leadership in decision making
___ Involved staff in decision making
___ Directed coordination with other jurisdictions
___ Authorized implementation of protective action recommendations

3.2 Did the Center Director or designee demonstrate the ability to direct the center in performing its essential functions?

YES ___ NO ___ N/A ___

3.3. In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 4: COMMUNICATIONS

Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

POINTS OF REVIEW

4.1 Did the staff in this facility demonstrate proficiency in the use of the available communications systems? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

4.2 Did this facility find alternate ways to communicate with other organizations without undue delay when malfunctions or breakdowns in equipment occurred?

YES ___ NO ___ N/A ___

4.4 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____HPC_____

OBJECTIVE 12: LABORATORY OPERATIONS

Demonstrate laboratory operations and procedures for measuring and analyzing samples.

POINTS OF REVIEW

12.1 Did the laboratory staff record the time of receipt and identity of all samples?

YES ___ NO ___ N/A ___

12.2 Indicate the time of receipt of the initial sample for analyses for each of the following sample types that were received.

___Iodine cartridge	___Air particulate filter
___Animal feeds	___Water
___Grain	___Forage
___Food crops	___Vegetable samples
___Milk	___Snow (melted)
___Meat samples	___Soil samples
___Poultry	___Other (Specify)_____

12.3 Did the laboratory staff follow appropriate procedures for avoiding cross-contamination of samples?

YES ___ NO ___ N/A ___

(a) Did the laboratory staff follow appropriate procedures for avoiding contamination of the laboratory?

YES ___ NO ___ N/A ___

12.4 Did the laboratory staff segregate and store samples that had measurable gamma exposure rates in a location that would avoid build-up of the background radiation level in the laboratory counting area?

YES ___ NO ___ N/A ___

12.5 Were steps taken to assure preservation of milk samples?

YES ___ NO ___ N/A ___

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____HPC_____

OBJECTIVE 12: LABORATORY OPERATIONS

POINTS OF REVIEW

12.6 Did the laboratory have the following analytical capabilities? (Check those available.)

___ Gamma spectrum
___ Lithium drifted germanium [Ge(Li)]
___ Liquid scintillation
___ Strontium 90
___ Other (Specify)_____

12.7 Were fixed (reproducible) geometry(ies) used for counting of samples?

YES ___ NO ___ N/A ___

12.8 Were sample and background counting times adjusted to be commensurate with the required minimum detectable levels for emergency response decisions?

YES ___ NO ___ N/A ___

12.9 Indicate the time that the laboratory staff provided the results of its initial analyses to the dose assessment group for the following sample types analyzed:

___Iodine cartridge
___Animal feeds
___Grain
___Food crops
___Milk
___Meat samples
___Poultry
___Air particulate filter
___Water
___Forage
___Vegetable samples
___Snow (melted)
___Soil samples
___Other (Specify)_____

12.10 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)_____HPC_____

1. For Site Area and General Emergencies, demonstrate that the Emergency Operations Facility (EOF) can be activated and prepared to perform required functions within about 1 hour after declaration of the emergency (82301-03.02.01b.3.a)

   YES ___ NO ___ N/A ___

2. Demonstrate the ability to periodically assess the habitability of the EOF and evacuate the facility to alternate facilities if necessary without disruption of required functions (82301-03.02.01b.3.e)

   YES ___ NO ___ N/A ___

3. Demonstrate the ability of the EOF to communicate effectively with corporate headquarters and other emergency response personnel and centers and to obtain outside resources in a timely manner, when requested (82301-03.02.01b.3.g)

   YES ___ NO ___ N/A ___

TIME LINE WORKSHEET
EXERCISE 92

EVALUATOR NAME:	ORGANIZATION:

TIME LINE WORKSHEET FOR:

(List the Center [&/or] Team [&/or] Personnel involved) **JOINT INFORMATION CENTER**

TIME	EVENT
_____	JIC Activation order given
_____	JIC declared activated
_____	JIC Media telephone team phone lines opened
_____	JIC Public Information team phone lines opened
_____	First news conference started

News Releases

List time distribution completed & <u>briefly</u> list major contents.
Attach copy of News Release to this worksheet

_____

_____

_____

_____

_____

_____

_____

_____ JIC Phone teams secured from Exercise

_____ JIC staff secured from Exercise

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

POINTS OF REVIEW

1.1 At what times did the center receive notification of emergency classification levels (ECLs)?

ECL	TIME NOTIFIED
Unusual Event	_____
Alert	_____
Site Area Emergency	_____
General Emergency	_____

1.2 Did all 60 minute responders arrive at the center in the time allotted?

YES ___ NO ___ N/A ___

1.3 Were all emergency center positions staffed? If not, list those that weren't.

YES ___ NO ___ N/A ___

_____

_____

1.4 At what times did the activation process for this facility begin and end?

Begin:_____ End:_____

1.5 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

_____

_____

_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S) ALL

OBJECTIVE 2: FACILITIES-EQUIPMENT, DISPLAYS AND WORK ENVIRONMENT

Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.

POINTS OF REVIEW

2.1 Was update of the status board(s) done promptly (i.e., within about 10 minutes) following receipt of significant changes in event information at the nuclear power plant? If not, provide comments below.

YES ___ NO ___ N/A ___

Comments: _____

2.2 Was acceptable accountability maintained for the center (OSC,TSC,CR)?

YES ___ NO ___ N/A ___

2.3 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments: _____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

POINTS OF REVIEW

3.1 Were the following actions performed by the Center Director or designee? (Indicate YES, NO, N/A, or N/O in the space provided for each item.)

____ Issued appropriate instructions to staff
____ Conducted staff meetings and briefings, as necessary
____ Resolved jurisdictional or decision-making authority conflicts
____ Provided leadership in decision making
____ Involved staff in decision making
____ Directed coordination with other jurisdictions
____ Authorized implementation of protective action recommendations

3.2 Did the Center Director or designee demonstrate the ability to direct the center in performing its essential functions?

YES ___ NO ___ N/A ___

3.3. In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 4: COMMUNICATIONS

Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

POINTS OF REVIEW

4.1 Did the staff in this facility demonstrate proficiency in the use of the available communications systems? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

4.2 Did this facility find alternate ways to communicate with other organizations without undue delay when malfunctions or breakdowns in equipment occurred?

YES ___ NO ___ N/A ___

4.4 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____JIC, CONTROL CELL_____

OBJECTIVE 10: EMERGENCY INFORMATION - MEDIA

Demonstrate the capability to coordinate the development and dissemination of clear, accurate, and timely information to the news media.

POINTS OF REVIEW

10.1 Did staff provide briefings to the media?

YES ___ NO ___ N/A ___

(a) If yes, specify the time briefings were initiated.

Briefing #1 _____ Briefing #2 _____
Briefing #3 _____ Briefing #4 _____
Briefing #5 _____ Briefing #6 _____

10.2 Which of the following were provided to the media? (Check those provided.)

___ Copies of news releases
___ Copies of Emergency Broadcast System (EBS) messages
___ Media kits
___ Other (Specify)

(a) If media Kits were provided, did staff provide one for each member of the media present at the media center?

YES ___ NO ___ N/A ___

10.3 Was a log maintained of information provided to the media?

YES ___ NO ___ N/A ___

10.4 Were copies of news releases retained and accessible to staff?

YES ___ NO ___ N/A ___

10.5 Were staff members available at the media center to handle inquiries from the media?

YES ___ NO ___ N/A ___

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S) JIC, CONTROL CELL

OBJECTIVE 10: EMERGENCY INFORMATION - MEDIA

POINTS OF REVIEW

10.6 Were staff and equipment available at the media center to deal with telephone inquiries from the media? **(Control Cell)**

YES ___ NO ___ N/A ___

(a) Did telephone staff provide prompt, accurate, consistent, and responsive information to media representatives?

YES ___ NO ___ N/A ___

10.7 Did individuals preparing the briefings have access to copies of EBS messages?

YES ___ NO ___ N/A ___

10.8 Were the following subjects addressed in the briefings? (Indicate YES, NO, N/A or N/O in the space provided for each item.)

___ Description of current emergency conditions at the plant with reference to both the potential for or actual release of radioactivity and the current emergency classification level (ECL)
___ How to maximize protection when sheltering
___ Instructions for transients without shelter
___ What to leave behind and what to take along when evacuating
___ Evacuation routes
___ Location of reception centers
___ Location of congregate care centers
___ Use of potassium iodide (KI)
___ Information and instructions for parents of students concerning protective actions for students
___ Information for transportation-dependent individuals
___ Information for special populations
___ Information and instructions on protective actions for ingestion
___ Relocation, re-entry, or return
___ Rumor control telephone numbers
___ Information to address false or misleading rumors
___ Use of public information brochures
___ Other (Specify) _____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____JIC, CONTROL CELL_____

OBJECTIVE 10: EMERGENCY INFORMATION - MEDIA

POINTS OF REVIEW

10.9 Did the briefings or press releases have the following characteristics? (Check those characteristics observed.)

___ Accurate information
___ Clear, understandable language
___ Content consistent with public information brochures
___ Consistency of information and instructions regarding protective action decisions
___ Clear differentiation between previous and current information and instructions
___ Up-to-date information

10.10 In all briefings and releases, were protective action areas described in terms of familiar landmarks and boundaries?

YES ___ NO ___ N/A ___

10.11 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM NEWS RELEASES

Time Information Received	Time Approvals Began	Time Distribution Team Received	Time Distribution Completed
#1			
#2			
#3			
#4			
#5			
#6			
#7			

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____JIC, CONTROL CELL_____

OBJECTIVE 11: EMERGENCY INFORMATION - RUMOR CONTROL

Demonstrate the capability to establish and operate rumor control in a coordinated and timely manner.

POINTS OF REVIEW

11.1. When was rumor control activated?

_____

11.2 How was the rumor control telephone number(s) publicized?

___ Press briefings
___ Emergency Broadcast System (EBS) messages
___ Public information brochures and postings
___ Other (Specify) _____

11.3 How many staff demonstrated this operation?

_____

11.4 Did the rumor control staff have access to current and accurate information?

YES ___ NO ___ N/A ___

11.5 Did the rumor control staff provide prompt, accurate, consistent, and responsive information to callers? **(Control Cell)**

YES ___ NO ___ N/A ___

11.6 How many calls were received by the rumor control staff during the exercise? **(Control Cell)**

_____

(a) Based on the number of calls received, record the average number of calls handled per hour during the period rumor control staff were activated.

_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____JIC, CONTROL CELL_____

OBJECTIVE 11: EMERGENCY INFORMATION - RUMOR CONTROL

POINTS OF REVIEW

11.7 Was information on individual calls documented and analyzed in order to identify recurrent or important trends in rumors?

YES ___ NO ___ N/A ___

11.8 Was information on rumors used in subsequent disseminations of information by public affairs staff?

YES ___ NO ___ N/A ___

(a) To whom was information on rumors provided? (Check below the recipients of this information.)

___ Individual caller(s)
___ Public Affairs Official(s) (PAO)
___ Other (Specify) _____

11.9 Did rumor control staff monitor radio and television broadcasts to determine what information was provided by the media to the public and to determine if any of this information was contributing to the spread of false or misleading rumors?

YES ___ NO ___ N/A ___

(a) Alternatively, did they seek this information from the PAOs?

YES ___ NO ___ N/A ___

(b) If yes, did the PAOs contacted provide the needed information?

YES ___ NO ___ N/A ___

11.10 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures?

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____JIC_____

JOINT INFORMATION CENTER (JIC)

1. Demonstrate the ability of the Joint Information Center (JIC) to properly coordinate news releases with the NRC and other offsite agencies and disseminate information to the media/press in an accurate and timely manner (82301-03.02.01b.9.a)

   YES ___ NO ___ N/A ___

2. Demonstrate the ability of the JIC to maintain adequate communications for use by the news media (82301-03.02.01b.9.b)

   YES ___ NO ___ N/A ___

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TIME LINE WORKSHEET
EXERCISE 92

EVALUATOR NAME	ORGANIZATION

TIME LINE WORKSHEET FOR:

(List the Center [&/or] Team [&/or] Personnel involved) **BENTON FRANKLIN COUNTY EOC**

TIME	EVENT
_____	County Joint EOC declared activated
_____	Counties declaration of emergency signed
_____	County Joint EOC secured from Exercise

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

POINTS OF REVIEW

1.1 At what times did the center receive notification of emergency classification levels (ECLs)?

ECL	TIME NOTIFIED
Unusual Event	_____
Alert	_____
Site Area Emergency	_____
General Emergency	_____

1.2 Did all 60 minute responders arrive at the center in the time allotted?

YES ___ NO ___ N/A ___

1.3 Were all emergency center positions staffed? If not, list those that weren't.

YES ___ NO ___ N/A ___

_____

_____

1.4 At what times did the activation process for this facility begin and end?

Begin:_____ End:_____

1.5 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

_____

_____

_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 2: FACILITIES-EQUIPMENT, DISPLAYS AND WORK ENVIRONMENT

Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.

POINTS OF REVIEW

2.1 Was update of the status board(s) done promptly (i.e., within about 10 minutes) following receipt of significant changes in event information at the nuclear power plant? If not, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

2.2 Was acceptable accountability maintained for the center (OSC,TSC,CR)?

YES ___ NO ___ N/A ___

2.3 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

POINTS OF REVIEW

3.1 Were the following actions performed by the Center Director or designee? (Indicate YES, NO, N/A, or N/O in the space provided for each item.)

____ Issued appropriate instructions to staff
____ Conducted staff meetings and briefings, as necessary
____ Resolved jurisdictional or decision-making authority conflicts
____ Provided leadership in decision making
____ Involved staff in decision making
____ Directed coordination with other jurisdictions
____ Authorized implementation of protective action recommendations

3.2 Did the Center Director or designee demonstrate the ability to direct the center in performing its essential functions?

YES ___ NO ___ N/A ___

3.3. In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 4: COMMUNICATIONS

Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

POINTS OF REVIEW

4.1 Did the staff in this facility demonstrate proficiency in the use of the available communications systems? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

4.2 Did this facility find alternate ways to communicate with other organizations without undue delay when malfunctions or breakdowns in equipment occurred?

YES ___ NO ___ N/A ___

4.4 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

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TIME LINE WORKSHEET
EXERCISE 92

EVALUATOR NAME	ORGANIZATION

TIME LINE WORKSHEET FOR:

(List the Center [&/or] Team [&/or] Personnel involved) **WASHINGTON STATE EOC**

TIME	EVENT
_____	Washington State EOC declared activated
_____	State declaration of emergency signed
_____	Washington State EOC secured from Exercise

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S)____ALL_____

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

POINTS OF REVIEW

1.1 At what times did the center receive notification of emergency classification levels (ECLs)?

ECL	TIME NOTIFIED
Unusual Event	_____
Alert	_____
Site Area Emergency	_____
General Emergency	_____

1.2 Did all 60 minute responders arrive at the center in the time allotted?

YES ___ NO ___ N/A ___

1.3 Were all emergency center positions staffed? If not, list those that weren't.

YES ___ NO ___ N/A ___

_____

_____

1.4 At what times did the activation process for this facility begin and end?

Begin:_____ End:_____

1.5 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments:_____

_____

_____

_____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S) ALL

OBJECTIVE 2: FACILITIES-EQUIPMENT, DISPLAYS AND WORK ENVIRONMENT

Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.

POINTS OF REVIEW

2.1 Was update of the status board(s) done promptly (i.e., within about 10 minutes) following receipt of significant changes in event information at the nuclear power plant? If not, provide comments below.

YES ___ NO ___ N/A ___

Comments: _____

2.2 Was acceptable accountability maintained for the center (OSC,TSC,CR)?

YES ___ NO ___ N/A ___

2.3 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments: _____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S) ALL

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

POINTS OF REVIEW

3.1 Were the following actions performed by the Center Director or designee? (Indicate YES, NO, N/A, or N/O in the space provided for each item.)

___ Issued appropriate instructions to staff
___ Conducted staff meetings and briefings, as necessary
___ Resolved jurisdictional or decision-making authority conflicts
___ Provided leadership in decision making
___ Involved staff in decision making
___ Directed coordination with other jurisdictions
___ Authorized implementation of protective action recommendations

3.2 Did the Center Director or designee demonstrate the ability to direct the center in performing its essential functions?

YES ___ NO ___ N/A ___

3.3 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments: _____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S) ALL

OBJECTIVE 4: COMMUNICATIONS

Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

POINTS OF REVIEW

4.1 Did the staff in this facility demonstrate proficiency in the use of the available communications systems? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments: _____

4.2 Did this facility find alternate ways to communicate with other organizations without undue delay when malfunctions or breakdowns in equipment occurred?

YES ___ NO ___ N/A ___

4.4 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments: _____

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TIME LINE WORKSHEET
EXERCISE 92

EVALUATOR NAME	ORGANIZATION

TIME LINE WORKSHEET FOR:

(List the Center [&/or] Team [&/or] Personnel involved) **OREGON STATE EOC**

TIME	EVENT
_____	Oregon State EOC declared activated
_____	Oregon State EOC secured from Exercise

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET

APPLICABLE CENTER(S) ALL

OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL

Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

POINTS OF REVIEW

1.1 At what times did the center receive notification of emergency classification levels (ECLs)?

ECL	TIME NOTIFIED
Unusual Event	
Alert	
Site Area Emergency	
General Emergency	

1.2 Did all 60 minute responders arrive at the center in the time allotted?

YES ___ NO ___ N/A ___

1.3 Were all emergency center positions staffed? If not, list those that weren't.

YES ___ NO ___ N/A ___

1.4 At what times did the activation process for this facility begin and end?

Begin: _____ End: _____

1.5 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments: _____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S) _____

OBJECTIVE 2: FACILITIES, EQUIPMENT, DISPLAYS AND WORK ENVIRONMENT

Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.

POINTS OF REVIEW

2.1 Was update of the status board(s) done promptly (i.e., within about 10 minutes) following receipt of significant changes in event information at the nuclear power plant? If not, provide comments below.

YES ___ NO ___ N/A ___

Comments: _____

2.2 Was acceptable accountability maintained for the center (OSC,TSC,CR)?

YES ___ NO ___ N/A ___

2.3 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments: _____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET

APPLICABLE CENTER(S) ALL

OBJECTIVE 3: DIRECTION AND CONTROL

Demonstrate the capability to direct and control emergency operations.

POINTS OF REVIEW

3.1 Were the following actions performed by the Center Director or designee? (Indicate YES, NO, N/A, or N/O in the space provided for each item.)

___ Issued appropriate instructions to staff
___ Conducted staff meetings and briefings, as necessary
___ Resolved jurisdictional or decision-making authority conflicts
___ Provided leadership in decision making
___ Involved staff in decision making
___ Directed coordination with other jurisdictions
___ Authorized implementation of protective action recommendations

3.2 Did the Center Director or designee demonstrate the ability to direct the center in performing its essential functions?

YES ___ NO ___ N/A ___

3.3 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments: _____

SUPPLY SYSTEM DRILL & EXERCISE EVALUATION CRITERIA WORKSHEET
APPLICABLE CENTER(S) ALL

OBJECTIVE 4: COMMUNICATIONS

Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

POINTS OF REVIEW

4.1 Did the staff in this facility demonstrate proficiency in the use of the available communications systems? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments: _____

4.2 Did this facility find alternate ways to communicate with other organizations without undue delay when malfunctions or breakdowns in equipment occurred?

YES ___ NO ___ N/A ___

4.4 In the implementation of the activities associated with this objective, did the facility follow its plans and procedures? If no, provide comments below.

YES ___ NO ___ N/A ___

Comments: _____

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TIME	EVENT and/or COMMENTS

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

EVALUATOR LOG
Exercise 92

TIME	EVENT *and/or* COMMENTS

EVALUATORS NOTE: Use as many rows on this sheet as necessary to describe or comment on the item you wish. Use as many sheets as necessary to log all pertinent items.

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WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

EVALUATOR LOG
Exercise 92

TIME	EVENT *and/or* COMMENTS

EVALUATORS NOTE: Use as many rows on this sheet as necessary to describe or comment on the item you wish. Use as many sheets as necessary to log all pertinent items.

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