

DOCUMENT TRANSMITTAL

TRANSMITTAL NO: D&D-83-225

DATE: 2-23-83

TRANSMITTED TO: NRC Reg II (Attn) (3 copies)

DESCRIPTION OF DOCUMENT(S) TRANSMITTED:

HNP 8020 RW7

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HNP 8020 RW6

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DATE RETURN REQUIRED 3-30-83

EC Sonnell / CAR  
DOCUMENT CONTROL SUPERVISOR

HNP-O-ADM-00010 R13

## PROCEDURE

## Plant Fume Hood Velocity Measurement

PROCEDURE TITLE

HNP-8020

PROCEDURE NUMBER

Lab

RESPONSIBLE SECTION

SAFETY RELATED ( X )

NON-SAFETY RELATED ( )

[illegible]

HNP-3

MANUAL SET

**PROCEDURE REVISION REQUEST**

Safety Pldt  
RPM Coker  
12/30/82

PROCEDURE NO. HNP- 8020

Revision No. 6

REQUESTED BY		DEPARTMENT HEAD APPROVAL	
Name:	Date:	Signature:	Date:
FRED ROSSEN	10/6/82	W.A. Poyer	12/22/82

REVISION CHANGES MODE OF OPERATION OR INTENT AS DESCRIBED IN FSAR:  
☐ Yes ☒ No

**CHANGE INVOLVES:**

☐ An unreviewed Safety Question ☐ Tech. Specs. ☒ Neither  
 (See back for Safety Evaluation if required).

Safety Related ☒ Non-Safety Related ☐

Safety/Non-safety Status Change ☐ Yes ☒ No

Attach marked up copy of procedure to this form.

REASON FOR REQUEST CORRECT GRAMMAR ON PAGE 2 of 7,  
SECTION E PART 1.g.; CHANGE FORMAT OF FIGURE  
ONE, PAGE 3 of 7; Add Fume Hoods located  
in the Simulator / TRAINING BLDG TO FIGURE ONE,  
PAGE 3 of 7.

PRB RECOMMENDS APPROVAL: ☒ Yes ☐ No

*Steve Sign*  
 PRB Secretary

83-12

PRB Number

1-25-83

Date

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MANUAL SET

## SAFETY EVALUATION

The revision of this procedure does not constitute an unreviewed safety question as explained below.

1. The probability of occurrence and the consequences of an accident or malfunction of equipment important to safety are not increased above those analyzed in the FSAR due to these changes because the revision does not change the purpose or performance of the system.

2. The possibility of an accident or malfunction of a different type than analyzed in the FSAR does not result from this change because the system responds and is operated as before the change.

3. The margin of safety as defined in the Technical Specifications is not reduced due to this revision because the revision does not change any limited safety system settings which would allow a safety limit to be exceeded or to allow a limiting condition for operations to be exceeded as stated in Technical Specifications.

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## E. I. HATCH NUCLEAR PLANT

Georgia Power 

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### PLANT FUME HOOD VELOCITY MEASUREMENT

#### A. PURPOSE

To describe a procedure for measuring the face velocity of the fume hoods in the plant and to assure that a minimum of 100 ft/min. is maintained.

#### B. SAFETY

1. Observe safety rules as described in the G.P.C. Laboratory Safety Manual.
2. Observe Radiation Protection procedures.

#### C. FREQUENCY

1. Following maintenance on motor or belts
2. Once per year
3. As prescribed by a Lab Foreman

#### E. PROCEDURE

1. Fume Hoods
  - a. Remove the velometer from the carrying case. Place on level surface and check the zero adjustment. This is done with both ports closed.

#### NOTE


In case the pointer does not indicate zero, the zero adjustment screw on the front of the case should be turned slowly until the pointer indicates zero.

- b. Remove the port caps and attach the Lo-Flow probe (Type 6050-P). Measurements with this probe will be made on the 0-300 FPM (feet per minute) scale. The probe should be attached so that the arrow on the probe points to the left when viewed from the front of the instrument.
- c. Place the velometer at one of the positions in the face of the hood. See Data Package 1 (Data Sheet 1).



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## NOTE

Refer to Figure 1 for location of all fume hoods to be checked.

- d. Move aside from the hood face and note the average velocity over a period of one to three minutes. Record the value on Data Package 1 (Data Sheet 1).
- e. Repeat E.d for the second & third positions in the hood.
- f. Average the three velocity readings and record the results on Data Package 1 (Data Sheet 1).
- g. If the average velocity for each hood is less than 100 F.P.M., initiate corrective action.

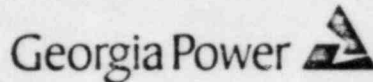
## NOTE

If hood sashes have to be lowered to meet 100 F.P.M. velocity, measures should be taken to assure that the sashes are not raised above this level.

- h. Repeat section E for all hoods.
2. A. A. Fume Hood
  - a. Follow sections E.1.a and b.
  - b. Place the velometer at one of the four positions on the underside of the hood, see Data Package 2 (Data Sheet 2).
  - c. Place the velometer into one of the four sections and note the average velocity over a period of one to two minutes. Record the value on Data Package 2 (Data Sheet 2).
  - d. Repeat section E.2.c until all four sections have been measured and recorded on Data Package 2 (Data Sheet 2).

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FIGURE 1  
UNIT ONE

<u>MPL</u>	<u>LOCATION</u>	<u>MPL</u>	<u>LOCATION</u>
1P33-P204	WATER ANALYSIS ROOM, 112' T.B.	1P33-P102	RWCU, 158' RX BUILDING
1P33-P103	RAD WASTE, 108' R.W.	1P33-P105A	LAB, 130 CONTROL BUILDING
1P33-P104	RAD WASTE ADDITION, 180' R.W.A.	1P33-P105B	LAB, 130' CONTROL BUILDING
1P33-P101	RCIC DIAGONAL, 106 RX BLDG.	1P33-P105C	LAB, 130' CONTROL BUILDING
1P33-P209	CONDENSATE DEMIN HOOD, 112 T.B.	1P33-P105D	LAB, COLD LAB, CONTROL BLDG.

UNIT TWO

<u>MPL</u>	<u>LOCATION</u>	<u>MPL</u>	<u>LOCATION</u>
2P33-P209	CONDENSATE DEMIN HOOD, 112' T.B.	2P33-P204	WATER ANALYSIS ROOM, LEFT HOOD
2P33-P101	RCIC DIAGONAL, 106' RX BLDG	2P33-P204	WATER ANALYSIS ROOM, RIGHT HOOD
2P33-P103	R.W., 112, R.W. BLDG. LEFT HOOD	2P33-P102	RWCU, RX BUILDING 185
2P33-P103	R.W., 112, R.W. BLDG. RIGHT HOOD		

UNIT ONE

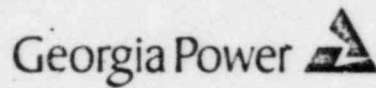
<u>MPL</u>	<u>LOCATION</u>
NA	Lab, 130' Control Bldg., Atomic Absorption Hood (Perkin-Elmer A.A.)

## SIMULATOR/TRAINING BLDG.

<u>MPL</u>	<u>LOCATION</u>
NA	Chemistry Training Lab, Left Hood
NA	Chemistry Training Lab, Right Hood

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PROCEDURE DATA PACKAGE	
DOCUMENT NO:	HNP-8020-1
SERIAL NO:	R07-
MPL NO:	N/A
RTYPE:	G15.14
XREF:	
TOTAL SHEETS:	2
FREQUENCY:	As Required
COMPLETED BY:	
DATE COMPLETED:	
<p>I HAVE REVIEWED THIS DATA PACKAGE FOR COMPLETENESS AND AGAINST ACCEPTANCE CRITERIA IN ACCORDANCE WITH HNP-830.</p>	
ACCEPTABLE	UNACCEPTABLE
REVIEWED BY:	
DATE REVIEWED:	
REMARKS:	



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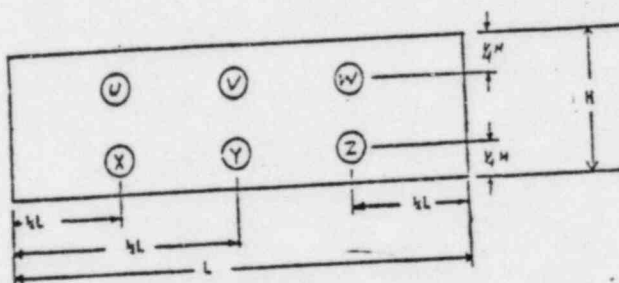
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DATA PACKAGE 1  
70 Data Sheet 11

## PLANT FUME HOOD VELOCITY MEASUREMENT

TEST EQUIPMENT \_\_\_\_\_ UNIT NO. \_\_\_\_\_  
 REASON FOR TEST \_\_\_\_\_ HOOD LOCATION \_\_\_\_\_  
 HOOD MPL NO. \_\_\_\_\_  
 SURV. \_\_\_\_\_ MR NO. \_\_\_\_\_, OTHER \_\_\_\_\_



POSITION U  
POSITION V  
POSITION W

VELOCITY (FT./MIN)	VELOCITY (FT./MIN)

POSITION X  
POSITION Y  
POSITION Z  
SUM ALL POSITIONS  
SUM ALL POSITIONS

\* MUST BE GREATER THAN OR EQUAL TO 100 FT/MIN TO BE ACCEPTABLE.

### TEST RESULTS

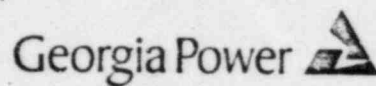
( ) ACCEPTABLE, ( ) NON-ACCEPTABLE, LAB FOREMAN NOTIFIED \_\_\_\_\_

REASON FOR NON-ACCEPTANCE/CORRECTIVE ACTION TAKEN: \_\_\_\_\_

COMPLETED BY	DATE

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PROCEDURE DATA PACKAGE	
DOCUMENT NO:	HNP-8020-2
SERIAL NO:	R07-
MPL NO:	N/A
RTYPE:	Q15.14
XREF:	
TOTAL SHEETS:	2
FREQUENCY:	As Required
COMPLETED BY:	
DATE COMPLETED:	
I HAVE REVIEWED THIS DATA PACKAGE FOR COMPLETENESS AND AGAINST ACCEPTANCE CRITERIA IN ACCORDANCE WITH HNP-830.	
ACCEPTABLE	UNACCEPTABLE
REVIEWED BY:	
DATE REVIEWED:	
REMARKS:	

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DATA PACKAGE 2  
(Data Sheet 2)

## A.A. FUME HOOD SURVEILLANCE

TEST EQUIPMENT \_\_\_\_\_ HOOD LOCATION: HOT LAB \_\_\_\_\_  
REASON FOR TEST: SURV \_\_\_\_\_, M.R. NO \_\_\_\_\_, OTHER \_\_\_\_\_

VELOCITY (FT/MIN)	POSITION A	POSITION B
POSITIONS		
A		
B		
C	POSITION C	POSITION D
D		
TOTAL		
TOTAL $\pm 4 =$		
_____ FT/MIN		

\* MUST BE  $\geq 100$  FT/MIN

## TEST RESULTS

( ) ACCEPTABLE, ( ) NON ACCEPTABLE, ( ) NOTIFY LAB FOREMAN

## NOTE

THE DAMPER MUST BE OPENED ON THE HOOD PRIOR TO BEING CHECKED.

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FIGURE 3  
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DOCUMENT TRANSMITTAL

TRANSMITTAL NO: D.O-13-214

DATE: 2-21-13

TRANSMITTED TO: HRC-Reg II-(DID) 13 copies

DESCRIPTION OF DOCUMENT(S) TRANSMITTED:

HNE-4864 DW3

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DESCRIPTION OF DOCUMENT(S) TO BE RETURNED:

HNE-4864 DW2

DATE RETURN REQUIRED 3-28-83

EC Senell/KAR  
DOCUMENT CONTROL SUPERVISOR

## PROCEDURE

HNP-4864

PROCEDURE NUMBER

LAB

RESPONSIBLE SECTION

NON-SAFETY RELATED ( )

[illegible]

MANUAL SET



7112  
PROCEDURE REVISION REQUEST

PROCEDURE NO. HNP- 4864

Revision No. 2

REQUESTED BY		DEPARTMENT HEAD APPROVAL	
Name: <u>RJT</u>	Date:	Signature:	Date:
<u>T.C. Wilkins</u>	<u>12-28-82</u>	<u>W.H. Ryan</u>	<u>1/5/83</u>

REVISION CHANGES MODE OF OPERATION OR INTENT AS DESCRIBED IN FSAR:  
( ) Yes ( ☒ ) No

CHANGE INVOLVES:

( ) An unreviewed Safety Question ( ) Tech. Specs. ( ☒ ) Neither  
(See back for Safety Evaluation if required).

Safety Related ( ☒ ) Non-Safety Related ( )

Safety/Non-safety Status Change ( ) Yes ( ☒ ) No

Attach marked up copy of procedure to this form.

REASON FOR REQUEST To show in the procedure that  
Security personnel report to the TSC as required  
in the Emergency plan.

page 1 para B, changed to include Security <sup>Documentation</sup>  
in the TSC Manning.

page 3, para 6. Add Security; Liaison and Control  
Access to TSC.

page 3, para 7. Change from para 6 to para 7.

page 3, E. add step 8, Document Control  
Supervisor responsibilities as shown.

PRB RECOMMENDS APPROVAL: ( ☒ ) Yes ( ) No

Steve Jones  
PRB Secretary

83-12

PRB Number

1-25-83

Date

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## SAFETY EVALUATION

The revision of this procedure does not constitute an unreviewed safety question as explained below.


1. The probability of occurrence and the consequences of an accident or malfunction of equipment important to safety are not increased above those analyzed in the FSAR due to these changes because the revision does not change the purpose or performance of the system.

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3. The margin of safety as defined in the Technical Specifications is not reduced due to this revision because the revision does not change any limited safety system settings which would allow a safety limit to be exceeded or to allow a limiting condition for operations to be exceeded as stated in Technical Specifications.

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### TECHNICAL SUPPORT CENTER

#### NOTE

This procedure supercedes HNP-31, Revision 3, dated 1/5/82.

#### A. PURPOSE

The Technical Support Center (TSC) is a facility for use by plant management, technical, and engineering support personnel in an emergency situation to provide technical direction and support to the Control Room for mitigation of and recovery from the incident. Implicit in this function is the need to provide staff to do detailed plant analysis.

#### B. MANNING REQUIREMENTS

During any situation requiring activation of the Technical Support Center (TSC), it will be manned by supervisory personnel from Engineering, Maintenance, Operations, Security, Health Physics, and Documentation. The ranking license certified person will assume the position of TSC Manager. This will normally be an Assistant Plant Manager, Superintendent of Plant and Engineering Services or Superintendent of Operations. In addition, the TSC will be manned with knowledgeable individuals to handle communications functions of the center.

Other knowledgeable and qualified personnel may be directed by plant or corporate management to man the technical support center. These might typically include Southern Services, Bechtel or General Electric personnel.

In addition, an NRC representation in the Technical Support Center can be anticipated.

#### C. CRITERIA FOR ACTIVATION

The Technical Support Center shall be activated and manned during any General Emergency, Site Area Emergency or Alert.

#### D. TECHNICAL SUPPORT CENTER FUNCTION

1. The personnel manning the Technical Support Center shall function to:
  - a. Coordinate emergency core cooling measures
  - b. Coordinate radioactive effluent and control
  - c. Coordinate core damage assessment

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- d. Coordinate the on-site operational support center (OSC)
  - e. Interface with the USNRC and the Emergency Operations Facility
2. Personnel manning the center shall be grouped as necessary according to their respective disciplines to implement the above coordinating functions.
  3. The T.S.C. shall maintain continuous communications link with the control room and E.O.F.


### E. TSC PERSONNEL RESPONSIBILITIES

1. Assistant Plant Manager or his designee assumes overall command of TSC operations. He is responsible for communications with the Emergency Director, the NRC and offsite support agencies.
2. Superintendent of Plant Engineering Services or his designee is responsible for assessing the status of the plant. He may request assistance from onsite or offsite technical experts. He may make recommendations for Control Room operations during plant recovery operations. He may provide the Assistant Plant Manager with evaluations for communication to the Emergency Director.
3. Superintendent of Operations or his designee is the primary contact for communications with the Control Room. He shall assist the Superintendent of Plant Engineering Services in assessing the status of the plant. He shall direct operations support of plant recovery.
4. Superintendent of Maintenance or his designee shall direct service or repair of equipment needed for plant recovery. He should consult with the Superintendent of Operations for priorities and with the Laboratory Supervisor for equipment access and Health Physics protection of maintenance workers. He may direct offsite maintenance supervisors or mechanics to report to the plant.
5. The Laboratory Supervisor or his designee shall be responsible for monitoring the TSC for habitability and as necessary defining protective measures such as breathing apparatus or TSC evacuation to the Control Room. He shall assess and interpret radiological conditions in the plant. He may recommend exposure limits and protective equipment for plant workers involved in recovery operations. In the event of actual or anticipated releases, he may make recommendations to the Assistant Plant Manager for communication to the Emergency Director.



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Additional duties for the Laboratory Supervisor or his designee are described in paragraphs F.7, F.8, G.2 of this procedure.

6. Security liaison and control access to TSC.
7. The site fire chief or his designee shall be responsible for assessment of any fire hazards that may lead to a radiological release during emergency operations. He would direct the fire brigade in the event of a fire following notification from the Control Room.
8. The Document Control Supv. or his designee is responsible for providing administrative support, e.g., drawings and documents.

### F. NORMAL OPERATION OF HVAC SYSTEM

#### 1. Purpose

To provide instructions for the startup and shutdown of the HVAC system for the Technical Support Center.

#### 2. Safety

Observe safety rules outlined in Georgia Power Company, Safety Section "O".

#### 3. References

- a. H-26002 TSC HVAC P&ID and Process Flow Diagram
- b. H-27059 TSC HVAC Elementary Sht. 1 of 3
- c. H-27060 TSC HVAC Elementary Sht. 2 of 3
- d. H-27061 TSC HVAC Elementary Sht. 3 of 3

#### 4. System Lineups

- a. Perform electrical power lineups per Data Package 1.
- b. Lineup system valves per Data Package 1.
- c. Lineup instrumentation valves per Data Package 2.


#### 5. Startup of TSC Air Conditioning Unit

- a. At local thermostat 1X75-TIS-NO11 place fan control switch to AUTO or ON position. Place thermostat control switch to COOL position and adjust temperature control as required by environment.



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## NOTE

Assure TSC electric heater 1X75-TIS-N014 is in the OFF position.

### 6. Startup of TSC Electric Heating System

- a. At local thermostat 1X75-TIS-N011, place fan control switch to AUTO or ON position. Place thermostat control switch to HEAT position and adjust temperature control as required by environment.
- b. AT TSC electric heater thermostat 1X75-TIS-N014, adjust control switch to desired setting.

### \*7. Startup of Filter Train (Accident Mode)

- a. At panel 1X75-P102, place control switch for filter train fan unit 1X75-C001 to START position.
- b. At panel 1X75-P102, verify valves 1X75-ADV-F001 thru F005 change to the following positions:
 

1X75-ADV-F001	-	Open (red light)
-F002	-	Open (red light)
-F003	-	Open (red light)
-F004	-	Open (red light)
-F005	-	Close (green light)
- c. Record the time of initial filter train startup on Data Package 3.

## NOTE

It is suggested that the filter train not be operated greater than 720 hours without changeout and testing of the carbon absorbers.

### 8. Shutdown of TSC HVAC Systems


#### \*a. Filter Train (Normal Mode)

- (1) At panel 1X75-P102, place control switch for filter train fan unit 1X75-C001 to STOP position.
- (2) Record filter train shutdown time on Data Package 3.
- (3) Verify valves 1X75-ADV-F001 thru F004 change to CLOSE positions, and F005 changes to OPEN position.

\* To be performed by TSC Laboratory Supervisor as conditions warrant.

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### b. Air Conditioning and Heating System

- (1) At local thermostat 1X75-TIS-N011 turn fan control switch and thermostat control switch to OFF position.
- (2) Turn thermostat 1X75-TIS-N014 to OFF position if heating system was being used.

### G. ANNUNCIATOR RESPONSE

#### 1. Condition


One or more of the alarms below is received on panel 1X75-P102, TSC HVAC annunciator.

#### 2. Action

- a. TSC Vent AHU 8001 PRE-FILTER HIGH DIFF PRESSURE, setpoint 0.55" H2O indicating high differential pressure across air handling unit roll media filter.
  - (1) AT 1X75-8001 (AHU) indicating box TB2, check if roll media filter runout light is lit (red).
  - (2) If above light is lit, replace roll media filter.
- b. TSC VENT FILT TRN D001 HIGH DIFF PRESSURE, setpoint 7.7" H2O indicating high differential pressure across filter train.
  - (1) At TSC filter train 1X75-D001, verify differential pressure on 1X75-DPIS-R005 is  $\geq$  7.7" H2O.
  - (2) If differential pressure is  $\geq$  7.7" H2O, check if differential pressures on 1X75-DPI-R001, R002, R003 A(B) or R004 are  $\geq$  1.0, 2.0, 1.2 A(B) or 2.0" H2O respectively.
  - (3) If a differential pressure is as stated in Step (2) above, place control switch for 1X75-ADV-F005 to CLOSE position at panel 1X75-P102.
  - (4) Enter toilet rooms and turn switches for exhaust damper 1X75-F007 to OFF position.
  - (5) Verify green light for 1X75-F007 illuminates on panel 1X75-P102.

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- \*(6) At panel 1X75-P102 place control switch for filter train fan unit 1X75-C001 to STOP position (green light).
- (7) Verify 1X75-F001 thru F004 change to CLOSE positions on panel 1X75-P102. 1X75-F005 should remain closed.

### CAUTION

It is important to minimize opening and closing of TSC access doors during a radiological emergency without operation of the filter train.

- (8) Replace the appropriate hepa filter, pre-filter or carbon absorber if the differential pressure is as stated in Step 2.b.(2) above.
- \*(9) Restart filter train fan unit 1X75-C001 from panel 1X75-P102 by placing control switch to START position (red light). Record filter train start time on Data Package 3.
- (10) On panel 1X75-P102, place Control Switch for 1X75-F005 to AUTO position.
- (11) Verify 1X75-F005 auto opens and filter train differential pressure alarm clears.
- c. TSC VENT AHU B001/FAN UNIT COOL DISCH LOW FLOW, setpoint 2500 scfm indicating low flow is being generated by air handling unit or filter train.
  - (1) On panel 1X75-P102 verify that the discharge flow is  $\leq$  2500 scfm on 1X75-FIS-R006.
  - (2) If flowrate is  $\leq$  2500 scfm, verify TSC VENT AHU B001 PRE-FILTER of FILT TRN D001 HIGH DIFF PRESSURE alarms are clear.
  - (3) Perform steps 2.a or 2.b as necessary to clear low flow condition.
- d. TSC VENT FILT TRN D001 AFTER CARB ADS HIGH TEMP, setpoint 200° F indicating high temperature across the filter train carbon absorbers.
  - (1) On panel 1X75-P102, verify temperatures on 1X75-TIS-R008 A(B) are  $\geq$  200° F.

To be performed by Laboratory Supervisor as conditions warrant.

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- (2) If the temperatures are as in step (1) above; look and smell for signs of smoke discharging from air vents indicating a possible fire.
- (3) If a fire is evident, open deluge valve 1X75-F070 from control switch on panel 1X75-P102.

### NOTE

Notify Control Room in the event of a fire for dispatching fire brigade. Close deluge valve as required.

### CAUTION

Inadvertant operation of the deluge valve will destroy the filter train carbon absorbers and will require replacements.

- (4) Verify that filter train fan unit 1X75-C001 stopped from control panel 1X75-P102.
- (5) Immediately place control switch for 1X75-ADV-F005 to CLOSE position at panel 1X75-P102.
- (6) Verify 1X75-F001 thru F004 change to CLOSE positions on panel 1X75-P102. 1X75-F005 should remain closed.
- (7) Enter toilet rooms and turn switches for exhaust damper 1X75-F007 to OFF position.
- (8) Verify green light for 1X75-F007 illuminates on panel 1X75-P102.
- (9) At panel 1X75-P102, place control switch for filter train fan unit 1X75-C001 to STOP position (green light).


### CAUTION

It is important to minimize opening and closing of TSC Access doors during a radiological emergency without operation of the filter train.

- (10) Open filter train drain valves 1X75-F071 thru F076. Close filter train fan unit 1X75-C001 drain valve 1X75-F080.

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- (11) Replace both carbon absorbers.
- (12) Close filter train drain valves 1X75-F071 thru F076. Open filter train fan unit 1X75-C001 drain valve 1X75-F080.
- \*(13) Restart filter train fan unit 1X75-C001 from panel 1X75-P102 by placing Control switch to START position. Record filter train start time on Data Package 3.
- (14) On panel 1X75-P102, place control switch for 1X75-F005 to AUTO position.
- (15) Verify 1X75-F005 auto opens and high temperature alarm clears.
- e. TSC VENT FILT TRN D001 DELUGE VALVE F070 OPENED.
  - (1) If 1X75-F070 was opened in step 2.d.(3) above, close the valve after extinguishing fire and the temperature on 1X75-TIS-R008 A(8) at panel 1X75-P102 is  $\leq 85^{\circ}$  F.
  - (2) Perform step 2.d.(10).
  - (3) Replace both carbon absorbers.
  - (4) Perform step 2.d.(12).
- f. TSC VENT AHU 8001/FILT TRN D001 DISCH HIGH RAD, setpoint 10 mr/hr. indicating high radiation emitted from the air handling unit or filter train.
  - (1) Verify 1X75-RIS-K002 on panel 1X75-P102 is  $\geq 10$  mr/hr.
  - (2) Verify valve 1X75-F001 thru F004 are open (red light) and F005 is closed (green light) on panel 1X75-P102.
  - (3) If the above valves are in the required position and the alarm is still present, anticipate that a TSC HIGH RADIATION alarm condition will soon exist and follow appropriate steps. (Ref: following section 2.g).

\* To be performed by Laboratory Supervisor as conditions warrant.



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g. TECHNICAL SUPPORT CENTER HIGH RADIATION, Setpoint 20 mr/hr. indicating high radiation exist in the caucus area.

- (1) Verify 1X75-RIS-K001 on panel 1X75-P102 is  $\geq$  20 mr/hr.
- (2) If a high radiation condition exist, follow instructions of laboratory supervisor in TSC regarding possible evacuation to the EOF, OSC or Control Room.

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## PROCEDURE DATA PACKAGE

DOCUMENT NO: HNP-4864-1

SERIAL NO: R03-

MPL NO: 1X75

RTYPE: G15.03

XREF: \_\_\_\_\_

TOTAL SHEETS: 4

FREQUENCY: \_\_\_\_\_

COMPLETED BY: \_\_\_\_\_

DATE COMPLETED: \_\_\_\_\_

I HAVE REVIEWED THIS DATA PACKAGE FOR COMPLETENESS  
AND AGAINST ACCEPTANCE CRITERIA IN ACCORDANCE WITH HNP-830.

ACCEPTABLE \_\_\_\_\_

UNACCEPTABLE \_\_\_\_\_

REVIEWED BY: \_\_\_\_\_

DATE REVIEWED: \_\_\_\_\_

REMARKS: \_\_\_\_\_

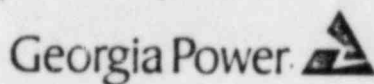
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## DATA PACKAGE 1

### 100 HVAC ELECTRICAL CHECKLIST

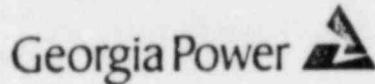
EQUIPMENT	LOCATION/POSITION	INIT.
1R25-S103, 480 VAC DIST. Panel/CN		
Air Handling Unit 1X75-B001 Electric Heater Disconnect Switch	Ckt. 1	
Air Handling Unit Fan Starter	Ckt. 2	
Condensing Unit 1X75-B002 Disconnect Switch	Ckt. 3	
Filter Train 1X75-C001 Electric Heater Disconnect Switch	Ckt. 4	
Filter Train Fan 1X75-C001 Starter	Ckt. 5	
Duct Heater 1X75-S003 Disconnect Switch	Ckt. 6	
405-225/120 Var XFMR (R11-S033)	Ckt. 7	
1R25-S103, 208/120 VAC. Dist. Panel/CN		
Panel 1X75-P102 Air Operated Dampers 1X75-F001 thru F005	Ckt. 1	
Panel 1X75-P102 Toilet Room Air Operated Damper 1X75-F007	Ckt. 2	
Air Handling Unit 1X75-B001 Roll Media Filter Motor	Ckt. 3	
Panel 1X75-P102 Solenoid Valve Deluge System	Ckt. 4	
Toilet Room Exhaust Fan 1X75-C002 Switch	Ckt. 5	
Panel 1X75-P102 Control Power	Ckt. 6	
Lighting and Receptacles Panel 1X75-P102	Ckt. 9	
Air Handling Unit 1X75-B001 Roll Media Filter Manual Override Switch	1X75-B001/AUTO	
Air Handling Unit 1X75-B001 Roll Media Switch	1X75-B001/CN	

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## DATA PACKAGE 1 (CONT)


### ISC HVAC ELECTRICAL CHECKLIST

EQUIPMENT	LOCATION/POSITION	INIT.
Air Handling Unit 1X75-0001 Roll Media Power Switch	1X75-B001/ON	
Air Handling Unit 1X75-0001 Control Switch	1X75-P002/AUTO	
Air Handling Unit 1X75-0001 Dis- connect Switch	1R26-M052/ON	
Air Handling Unit 1X75-0001 Fan starter	1R27-S047/ON	
Condensing Unit 1X75-B002 Disconnect Switch	1R26-M053/ON	
Filter Train Electric Heater 1X75-0001 Disconnect Switch	1R26-M054/ON	
Filter Train Fan 1X75-0001 Starter	1R26-S051/ON	

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## DATA PACKAGE 1 (CONT) TSC SYSTEM VALVE LINEUP

VALUE NO.	DESCRIPTION	POSITION	INIT.
1X75-AQU-F001	Filter Train Outside Air Isolation	A/C	
-AQU-F002	Filter Train Discharge	A/C	
-AQU-F003	Filter Train Fan Discharge Isolation	A/C	
-AQU-F004	Filter Train Suction	A/C	
-AQU-F005	Air Handling Unit Outside Air Isolation	A/O	
-AQU-F007	Toilet Room Exhaust	C	
F010	Mechanical Room Return Isolation	O	
F012	Mechanical Room Return Volume Control	O	
F013	Mechanical Room Supply Isolation	O	
F014	Mechanical Room Supply Volume Control	O	
F016	Filter Train Outside Air Volume Control	O	
F017	Air Handling Unit Outside Air Volume Control	O	
F018	Air Handling Unit Return Volume Control	O	
F019	Filter Train Suction Volume Control	O	
F020	Filter Train Discharge Volume Control	O	
F033	Filter Train Fan Discharge Volume Control	O	
F034	Air Handling Unit Discharge Volume Control	O	
F064	Filter Train Deluge System Isolation	O	
F065	Filter Train Deluge System Drain	C	
F070	Filter Train Deluge Valve	C	
F071	Filter Train Drain	C	
F072	Filter Train Drain	C	
F073	Filter Train Drain	C	
F074	Filter Train Drain	C	
F075	Filter Train Drain	C	
F076	Filter Train Drain	C	
F060	Filter Train Drain	O	

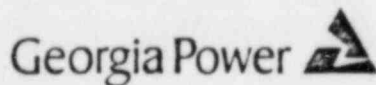
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A/C-Auto Close  
A/O-Auto Open  
O-Open  
C-Close



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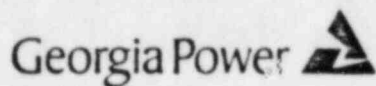


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PROCEDURE DATA PACKAGE	
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SERIAL NO:	R03-
MPL NO:	1X75
RTYPE:	CIS.03
XREF:	
TOTAL SHEETS:	2
FREQUENCY:	
COMPLETED BY:	
DATE COMPLETED:	
I HAVE REVIEWED THIS DATA PACKAGE FOR COMPLETENESS AND AGAINST ACCEPTANCE CRITERIA IN ACCORDANCE WITH HNP-830.	
ACCEPTABLE	UNACCEPTABLE
REVIEWED BY:	
DATE REVIEWED:	
REMARKS:	

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## DATA PACKAGE 2

### ISC INSTRUMENTATION VALVE LINEUP

Note: To be performed by Test Shop

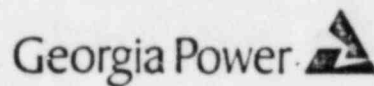
VALVE NO.	DESCRIPTION	POSITION	INIT.
1X75-F052	Instrument Air Supply (Spare)	C	
F053	Instrument Air Supply 1X75-F005	C	
F054	Instrument Air Supply (Spare)	C	
F055	Instrument Air Supply 1X75-F001	C	
F056	Instrument Air Supply (Spare)	C	
F057	Instrument Air Supply 1X75-F003	C	
F059	Instrument Air Supply (Spare)	C	
F060	Instrument Air Supply 1X75-F002	C	
F061	Instrument Air Supply 1X75-F004	C	
F062	Instrument Air Supply 1X75-F007	C	
F063	Instrument Air Supply (Spare)	C	
F066	Instrument Air Supply Isolation	C	
* F067	Instrument Air Supply 1X75-F007	C	
F068	Instrument Air Supply Isolation	C	
F069	Instrument Air Supply Drain	C	
F066	Instrument Air Supply (ADV's)	C	
F067	Instrument Air Supply (Spare)	C	
F068	Instrument Air Supply (Spare)	C	
F069	Instrument Air Supply (Spare)	C	
F070	Instrument Air Supply (Spare)	C	
F071	Instrument Air Supply (Spare)	C	
F072	Instrument Air Supply (Spare)	C	
F073	Instrument Air Supply (Spare)	C	
F074	Instrument Air Supply (Spare)	C	
F075	Instrument Air Supply (Spare)	C	

DATE

\* Instrument air pressure should be 75 psig.

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DOCUMENT NO:	HNP-4864-3
SERIAL NO:	R03-
MPL NO:	1X75
RTYPE:	G15.03
XREF:	
TOTAL SHEETS:	2
FREQUENCY:	
COMPLETED BY:	
DATE COMPLETED:	
I HAVE REVIEWED THIS DATA PACKAGE FOR COMPLETENESS AND AGAINST ACCEPTANCE CRITERIA IN ACCORDANCE WITH HNP-830.	
ACCEPTABLE	UNACCEPTABLE
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DATE REVIEWED:	
REMARKS:	



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HNP-8131

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