

DAEC EMERGENCY PLAN	SECTION 'H'
EMERGENCY FACILITIES STAFFING, ACTIVATION AND EQUIPMENT	Rev. 23 Page 1 of 29

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Approved by: _____ Manager, Emergency Planning	Date: _____
Reviewed by: _____ Operations Committee Chairman	Date: _____
Approved by: _____ Plant Manager, Nuclear	Date: _____
Authorized by: _____ Vice President, Nuclear	Date: _____

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1.0 PURPOSE

- (1) This section describes the DAEC ERO emergency facilities, staffing and activation, and equipment required for support of emergency events.
- (2) The Nuclear Management Company (NMC) is assigned operational responsibility for the DAEC. However, the Asset Owner maintains corporate accountability for activities at the DAEC and will participate when necessary in activities at the DAEC. The reference "Asset Owner/NMC" will be used throughout this procedure to signify this relationship. Further details regarding this relationship can be found in the "Nuclear Power Plant Operating Services Agreement" (NPPOSA) between Asset Owner and the NMC. The DAEC Asset Owner is the corporate parent of DAEC.

2.0 REQUIREMENTS

- (1) Emergency response facilities will be activated according to the notification and activation procedures described in the EIPs. Personnel who are assigned to each facility either appear on call or notification lists used for notification purposes, or by procedure and training, will automatically report to a predesignated area upon declaration of the appropriate Emergency Classification. Each key emergency organization position is assigned a minimum of two qualified persons to ensure complete facility staffing. Whenever possible, three qualified persons will be assigned.
- (2) Support facilities and organizations will be activated as described regardless of the time of day or day of the week. However, it should be recognized that the normal plant staff is only at the site approximately 25% of the time. As a result, as many functions as possible will be assumed by the shift operating crew until support facilities are established and off-duty personnel arrive on site. Sufficient plant staff and corporate personnel will be trained and qualified to staff the appropriate facilities to ensure that they will be established and operational in a timely manner. The Emergency Response Organization is shown in Figure B-1 and also in the Emergency Telephone Book.

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2.1 Technical Support Center (TSC)

(1) General Description

- (A) The TSC is located in a facility adjacent to the DAEC Administration Building and is staffed by plant management and technical personnel to provide technical support for Control Room activities. The facility has the capability to transmit and record vital plant data in real time and provides access to as-built plant drawings and other records. Computerized dose projections can be performed from a computer terminal available in the TSC. The program (MIDAS) has real-time access to data from the plant effluent and meteorological monitoring systems. The Safety Parameter Display System (SPDS), which displays critical plant parameters monitored by the process computer, is available in the TSC. Additionally, plant parameters and status information of significance to the event can be transmitted using a VAX computer terminal as well as telephone and radio. Also available is the Emergency Response Data System (ERDS) which displays live-time plant data. The TSC is the main communications link between the plant and the Emergency Operations Facility (EOF). The location and floor plan are shown in Figures H-1 and H-2, respectively. The Control Room is designated as the alternate TSC. Communication links between the TSC, Operational Support Center (OSC), Control Room, EOF, and the NRC are described in Section F.

(2) Activation Criteria

- (A) If the emergency event requires activation of the TSC, the Operations Shift Manager (OSM) will authorize initiation of the notification chain according to procedure. Members of the Emergency Response Organization assigned to the TSC will be notified by plant page, extension number, commercial phone, pager or automated telephone system. During off-hours, members of the Emergency Response Organization assigned to the TSC will be contacted by pager and/or commercial telephone. A call list is provided for this purpose. Upon receiving notification of an Emergency Classification which requires activation of the TSC, each individual contacted will immediately report to the TSC to begin activation tasks.
- (B) The TSC is designated for activation in the event of an ALERT, SITE AREA EMERGENCY or GENERAL EMERGENCY. Activation of the TSC for a NOTIFICATION OF UNUSUAL EVENT is at the discretion of the Emergency Coordinator. The TSC is considered activated when the minimum 30-minute positions designated in Table B-1 are filled or declared activated by the Emergency Coordinator.

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(3) Staffing

- (A) The Emergency Coordinator exercises supervision and direction over the personnel assigned to the TSC. Personnel assigned to the TSC will include: selected members of the plant staff who are knowledgeable in specific functional areas at the DAEC, selected engineering personnel who can assist in providing engineering evaluations, representatives from the NRC, and contractors, including General Electric and Bechtel.

(4) Habitability

- (A) The TSC is designed and constructed to provide the shielding necessary to protect occupants from radiation effects from either the reactor core or the plume. An independent ventilation system can be placed in a recirculation mode of operation, enabling air to be continually filtered through both charcoal and HEPA filters. Radiation monitors are provided at the ventilation system intake and within the TSC proper. In the event of radiological releases, portable air sampling equipment is available that will enable periodic checks to be made of airborne radiological conditions.

2.2 OPERATIONAL SUPPORT CENTER (OSC)

(1) General Description

- (A) The OSC is located in a facility adjacent to the DAEC Administration Building and its floor plan is illustrated in Figure H-1. This center will be used to assemble and dispatch onsite and offsite radiation monitoring teams, and to coordinate in-plant survey efforts, rescue and emergency teams, and personnel who support Control Room emergency activities. This center will be in communication with the TSC and Control Room. Portable environmental sampling and monitoring equipment is stored near this facility to support radiation monitoring teams. This facility provides ready access to evacuation routes.

(2) Activation Criteria

- (A) Activation and staffing of the OSC occurs in a similar fashion to the TSC. Upon declaration of an emergency classification that requires activation of the OSC, the OSM will initiate the notification process. Individuals will either report to the OSC when notified, or will automatically report when an emergency classification is declared that requires OSC activation. Those assigned to the OSC will be notified by plant page, extension number, commercial phone, pager or automated telephone system.

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During off-hours, individuals assigned to the OSC will be contacted by pager, commercial telephone, or automated telephone system.

- (B) The OSC is designated to be activated whenever an ALERT, SITE AREA EMERGENCY, or GENERAL EMERGENCY is declared. Activation of the OSC for a NOTIFICATION OF UNUSUAL EVENT is at the discretion of the EC. The OSC is considered activated when the minimum 30-minute positions designated in Table B-1 are filled or determined to be operational by the OSC Supervisor.

(3) Staffing

- (A) The OSC Supervisor exercises overall supervision and direction for all emergency response personnel on site who are not members of the operations shift crew or assigned to other emergency response facilities. Onsite and offsite field radiological monitoring teams, rescue and repair teams, in-plant radiological survey assignments, and communicator assignments are established at the OSC using an Emergency Assignment Tag Board. This method is further described in the EIPs.

(4) Habitability

- (A) Sections I and K describe the systems and methods for monitoring radiological conditions in the OSC. Emergency kits at or near the OSC provide respiratory protection, protective clothing, decontamination capabilities, and portable sampling and monitoring devices. First-aid supplies are available from the first aid room. Decontamination is performed at the access control area. Radios, onsite and offsite telephones, and intraplant telephones are available in this center.

2.3 EMERGENCY OPERATIONS FACILITY (EOF)

(1) General Description

- (A) The EOF depicted in Figure H-2 is a dedicated facility located on the 15th floor of the Alliant Tower in Cedar Rapids. This facility is operated by Asset Owner/NMC for the continued evaluation and coordination of emergencies having actual or potential offsite consequences. The EOF staff disseminates information to federal, state, and local emergency response organizations and provides a centralized location for representatives from federal, state and local agencies.
- (B) This location is the normal work area for Alliant Energy personnel and has adequate square footage to support the ERO and the EOF. This provides

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adequate working space for approximately 40 people during normal conditions and 150 people during an emergency. It includes various offices and conference rooms, and provides ready access to the DAEC records, procedures, drawings, etc., that are normally used and maintained in this area.

- (C) The facility is equipped with suitable communications data transmission systems for use during normal and emergency conditions. These systems and equipment provide the following:
- (i) Dedicated and prioritized communications interconnecting with the TSC, NRC, and local and state networks.
 - (ii) Terminals that can access and display vital plant parameters and radiological and meteorological data.
 - (iii) A fax machine system for transmitting information to the TSC and other offsite agencies, organizations, and companies, as required.

(2) Activation Criteria

- (A) Activation of the EOF will be accomplished for any event classified as a SITE AREA or GENERAL EMERGENCY. Activation and staffing of the EOF at an ALERT or lesser classification will be at the direction of the ER&RD. The Emergency Coordinator will notify the ER&RD of an emergency situation at DAEC. The ER&RD is responsible for ensuring that personnel are contacted and assigned to fill key EOF functions. Members of the Emergency Response Organization assigned to the EOF who are located at the DAEC will be notified by pager, plant page, or commercial telephone during normal work hours, and by pager and/or commercial telephone, using either call lists or automated telephone system, during non-normal work hours. Members of the Emergency Response Organization assigned to the EOF who are located at the Alliant Tower will be notified by commercial phone, building page or pager during normal work hours, and by pager and/or commercial telephone during non-normal work hours. Key EOF personnel will be directed to report to the EOF when an ALERT is declared and may be placed on standby as directed by the ER&RD. The Emergency Telephone Book identifies each position to be contacted and response times.

(3) Staffing

- (A) Asset Owner/NMC corporate managers familiar with operating, engineering, licensing, and public relations functions and activities are

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available to the EOF. Functions to be performed by these key personnel are described in Section B of this plan and in supporting implementing procedures.

- (B) The EOF will provide overall management of the emergency response (including coordination with federal, state and local officials) during Site Area and General Emergency classifications, and, if desired, during lower classifications of emergencies.

(4) Habitability

- (A) The EOF is located at a distance greater than 10 miles from the DAEC; therefore no shielding or specialized ventilation filtration systems are necessary.

2.4 JOINT PUBLIC INFORMATION CENTER (JPIC)

(1) General Description

- (A) The JPIC is located on the sixth floor of the Alliant Tower in Cedar Rapids which, under normal conditions, is occupied by the Information Services Training Room, kitchenette, auditorium, and conference rooms. It has approximately 10,500 square feet and is capable of accommodating 200 news personnel for registration, inquiries, and mass briefings. The JPIC functions as the single-point contact for disseminating information to the industry, news media, and public officials. The JPIC Manager will use the JPIC as his/her headquarters. He/she will ensure that the center is provided with adequate equipment and materials including those listed below:

- (i) A large briefing area with a public address system
- (ii) A working area for the press
- (iii) Federal, state, and local government agency work area
- (iv) Kitchenette and restrooms
- (v) DAEC media guide and visual aids

- (B) A more detailed description of the JPIC, specific equipment capabilities, and media material is provided in Figure H-7, "JPIC Floor Plan, typical".

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- (C) Should the Cedar Rapids metropolitan area require evacuation the Alliant Energy Hanger at the Eastern Iowa Airport can be used for media briefings and news conferences. JPIC spokespersons representing DAEC, Linn and Benton Counties, the State of Iowa, and any Federal agencies, with appropriate support staff will relocate to the Airport to provide the media with timely and accurate information.

(2) Activation Criteria

- (A) Activation of the JPIC will be accomplished for any event classified as a SITE AREA or GENERAL EMERGENCY. Activation and staffing of the JPIC at an ALERT or lesser classification will be at the direction of the JPIC Manager. The ER&RD will notify the JPIC Manager of an emergency situation at DAEC. The JPIC Manager is responsible for ensuring that personnel are contacted and assigned to fill key JPIC functions. Members of the Emergency Response Organization assigned to the JPIC who are located at the DAEC will be notified by pager, plant page, or commercial telephone during normal work hours, and by pager and/or commercial telephone, using either call lists or automated telephone system, during non-normal work hours. Members of the Emergency Response Organization assigned to the JPIC who are located at the Alliant Tower will be notified by commercial phone building page or pager during normal work hours, and by pager and/or commercial telephone during non-normal work hours. Key JPIC personnel will be directed to report to the JPIC when an ALERT is declared and may be placed on standby as directed by the JPIC Manager. The Emergency Telephone Book identifies each position to be contacted and response times.

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2.5 OFFSITE RELOCATION AND ASSEMBLY AREA (ORAA)

(1) General Description

- (A) The Offsite Relocation and Assembly Area (ORAA) is located in the Palo Community Center. The floor plan and the directions to the facility are described in Figures H-3 and H-4, respectively. This facility will be staffed by the ORAA Supervisor, security force members, and health physics technicians (or HP trained equivalents). This facility has the capability of providing space in the event of a site evacuation of non-essential personnel from the DAEC. The ORAA also provides limited decontamination capabilities, and can also function as a staging area to support recovery and re-entry efforts at the DAEC.

(2) Activation Criteria

- (A) Activation and staffing of the ORAA will be accomplished for any event classified as a SITE AREA or GENERAL EMERGENCY. Activation and staffing of the ORAA at an ALERT level will be based upon whether or not a site evacuation has been initiated at the direction of the Emergency Coordinator. The OSC Supervisor, when notified that an evacuation from the site is being conducted, shall contact the ORAA Supervisor and inform him that the ORAA is to be activated. The ORAA Supervisor will then coordinate with the OSC Supervisor to assign two health physics technicians (or HP trained equivalents) to assist in the activation of the ORAA.

(3) Staffing

- (A) The ORAA Supervisor exercises supervision and direction over the personnel assigned to the ORAA. Personnel assigned to the ORAA includes selected security force members and health physics trained personnel for monitoring a basic decontamination purposes.

(4) Habitability

- (A) The ORAA does not provide shielding necessary to protect occupants from the plume. If the Palo Community Center, located in Palo, Iowa, is not habitable due to plume effect, the alternate reassembly area will be the Offsite Radiological and Analytical Laboratory/Offsite Decontamination Facility, (ORAL/ODEF), located at 1017 12th Avenue SW, in Cedar Rapids. It may be necessary for the Emergency Coordinator to select another location based upon input from the Site

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Radiation Protection Coordinator due to radiological release and meteorological conditions.

2.6 OFFSITE RADIOLOGICAL AND ANALYTICAL LABORATORY/OFFSITE DECONTAMINATION FACILITY (ORAL/ODEF)

(1) General Description

- (A) The ORAL/ODEF is located on the second floor of the Alliant Energy Systems Protection Warehouse, located at 1017 12th Avenue SW. The floor plans and the directions to the facility are described in Figures H-5 and H-6, respectively. This facility will be staffed by the ORAL/ODEF Supervisor, and members of the Radiation Protection Department including chemistry and health physics technicians (or other trained equivalents). This facility provides for the analysis of contaminated, or potentially contaminated samples such as water, vegetation, and soil. This facility also provides for the processing of personnel for decontamination.

(2) Activation Criteria

- (A) The ORAL/ODEF is designated for activation in the event of a SITE AREA EMERGENCY or GENERAL EMERGENCY. Activation of the ORAL/ODEF in the event of an UNUSUAL EVENT or an ALERT is at the discretion of the Emergency Coordinator.
- (B) The Site Radiation Protection Coordinator, when notified that the ORAL/ODEF is to be activated, shall request that the ORAL/ODEF Supervisor contact the OSC Supervisor to staff the ORAL/ODEF. The ORAL/ODEF Supervisor will then coordinate with the HP Supervisor to assign Chemistry Technicians and Health Physics Technicians (or trained equivalents) to assist in the activation of the ORAL/ODEF.

(3) Staffing

- (A) The ORAL/ODEF Supervisor exercises supervision and direction over the personnel assigned to the ORAL/ODEF when activated. Personnel assigned to the ORAL/ODEF includes selected members of the Radiation Protection Department (or trained equivalents).

(4) Habitability

- (A) The ORAL/ODEF is located beyond 10 miles from the DAEC. Habitability determinations will be conducted on an as needed basis when potentially contaminated samples or personnel are delivered to the ORAL/ODEF.

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2.7 ONSITE MONITORING SYSTEMS

(1) Meteorological Monitors

- (A) Wind speed and direction
- (B) Temperature

(2) Radiological Monitoring Systems

(A) Area Radiation Monitoring System

(B) Process Radiation Monitoring System

- (i) Main Steamline Radiation Monitoring System
- (ii) Offgas Radiation Monitoring System
 - (a) Pre-treatment Offgas Monitor and Sampler
 - (b) Post-treatment Offgas Monitor and Sampler
- (iii) Carbon Bed Vault Radiation Monitoring System
- (iv) Offgas Vent Pipe (Stack) Radiation Monitoring System
- (v) Refueling Pool Exhaust Radiation Monitoring System
- (vi) Reactor Bldg. Main Exhaust Radiation Monitoring System
- (vii) Control Building Air Intake Radiation Monitoring System
- (viii) Liquid Process Radiation Monitoring System
 - (a) Radwaste Effluent
 - (b) Service Water Effluent
 - (c) Reactor Bldg Closed Cooling Water
 - (d) RHR and Emergency Service Water Effluent
 - (e) RHR and Emergency Service Water Rupture Disc Effluent
- (ix) KAMAN Extended Range Effluent Monitoring System

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- (a) Offgas Vent Pipe
 - (b) Reactor Building Stacks
 - (c) Turbine Building Vents
- (C) Portable dose rate meters
- (D) Counting Laboratory Equipment
 - (i) Gamma Spectroscopy
 - (ii) Proportional Counter
 - (iii) Liquid Scintillation Counter
- (E) Whole Body Counter
- (3) Process Monitoring Systems
 - (A) NSSS Instrumentation
 - (i) Rx Vessel Level
 - (ii) Rx Pressure
 - (iii) Rx Temperature
 - (iv) Nuclear Instrumentation
 - (v) Associated Alarms, Annunciators
 - (B) Containment Instrumentation
 - (i) Drywell Temperature
 - (ii) Drywell Pressure
 - (iii) Containment Level
 - (iv) Torus Temperature
 - (v) Torus Pressure
 - (vi) Drywell Sump Pump Timers

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(vii) Drywell to Torus DP

(viii) Torus to Rx Building DP

(C) ECCS Instrumentation

(i) ECCS Pump Operation

(ii) ECCS System Flow Indicators

(iii) Isolation Valve Status

(iv) HPCI/RCIC Turbine Speed/Minimum Flow

(v) Emergency Diesel Generator Operation

(vi) SBLC System Operation

(vii) Associated Alarms, Annunciators

(D) System Instrumentation

(i) SBGT Operation and Flow

(ii) Standby Filter Unit Operation and Flow

(iii) Off-Gas System Operation and Flow

(iv) Rx Building Ventilation Exhaust

(v) Turbine Building Ventilation Exhaust

(vi) Feedwater Flow

(vii) Main Steam Flow

(viii) Generator Load

(ix) Valve Status Indicator Lights

(x) Stack Fan Flow

(xi) Associated Alarms, Annunciators

(E) Electrical Instrumentation

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- (i) RPS Failure Indication
 - (ii) Battery Voltage
 - (iii) Vital Bus Voltmeter
 - (iv) Transformer Output
 - (v) Breaker Position Indicators
 - (vi) Sub-Station Breaker Positions
 - (vii) Associated Alarms, Annunciators
- (4) Fire Monitoring Systems
- (A) Smoke (ionization) Detectors
 - (B) Rate-of-rise heat Detectors
 - (C) Heat Detectors
 - (D) Associated Alarms, Annunciators

2.8 METEOROLOGICAL INSTRUMENTATION AND PROCEDURES

- (1) A complete description of the meteorology program is contained in the Updated Final Safety Analysis Report (UFSAR). A capsulated description of the system is given here.
- (A) The meteorological tower is located 1700 feet south-southeast of the Reactor Building. Both primary and backup instrumentation is provided to measure wind direction, wind speed, and ambient air temperature at 33 feet and 156 feet above the base of the tower. In addition, dewpoint is measured at the 33-foot level and precipitation is measured at the base of the tower. The accuracy's and ranges associated with this instrumentation are discussed in the UFSAR. Calibration of the instruments is performed semiannually. The onsite meteorological measurement program is documented in the UFSAR and the associated Onsite Meteorological Data Supplement.
 - (B) The data gathered by the instrumentation is provided as instantaneous values at 10-second intervals to the Safety Parameter Display System (SPDS). The SPDS screens the data and selects either the primary or the backup instrumentation, as appropriate, under the existing

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meteorological conditions. The instantaneous values are then processed into one-minute averages and transmitted, along with radiological data, to the atmospheric dispersion and dose assessment model. This allows near real-time predictions of the atmospheric effluent transport and diffusion as well as remote interrogation of the atmospheric measurements and predictions by appropriate organizations. When the Emergency Response Data System (ERDS) link is activated, this data is also picked up and transmitted to the NRC ERDS.

- (C) The data gathered by the instrumentation is also provided to a hard copy recorder in the Control Room in the form of 30-minute averages as a backup to the data archived by the dose assessment model. For an expanded description of the effluent monitoring system and the dose assessment model, see DAEC Plan "I" section 2.2 "Accident Assessment Capabilities and Resources".

2.9 SEISMIC AND HYDROLOGICAL INSTRUMENTATION

- (1) Seismic instrumentation is installed at several locations to detect seismic disturbances. Accelerograph sensors are located in the basement of the Reactor Building, the Refueling Floor, the Intake Structure, Pump House, Recirculation System Piping, Reactor Vessel, and at various other Class I structures. An accelerograph is also installed at a "free field" location to measure soil structure interactions. The accelerograph sensors feed indicating lights and alarms located in the Control Room. The seismic indicators alert operators when predetermined Operating Basis Earthquake (OBE) and Design Basis Earthquake (DBE) values are exceeded.
- (2) The intake structure for plant cooling water employs a level sensing system for Cedar Rapids River level. A level recorder indicates increases or decreases in river level. Additionally, periodic checks of the total flow of the Cedar Rapids River are made at a gauge station in Cedar Rapids.

2.10 CONTROL OF EMERGENCY EQUIPMENT/INSTRUMENTS

- (1) The operational readiness of emergency equipment and supplies is ensured through a program of routine inventory, calibration, test, and maintenance. Once during each quarter, all emergency kits, emergency equipment, and supplies are inventoried. This inventory includes verification that procedures contained in the kits are the latest revision. Additionally, all portable instruments are verified to have been tested and calibrated as prescribed by DAEC procedures. The general condition of supplies such as batteries,

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respirators, and liquid containers are inspected for signs of leakage or deterioration.

2.11 COMMUNICATION CHECKS

- (1) The following communication checks will be performed at the specified frequencies:
 - (A) Local and state governments - monthly
 - (B) NRC Headquarters Operations Center - monthly
 - (C) Emergency Response Data System - quarterly
 - (D) Local and state Emergency Operations Centers - annually
- (2) These communication checks will be documented as specified in the EIPs and in Emergency Planning Department Procedures.

2.12 EMERGENCY KITS

- (1) Appendix 4 identifies the procedures which contain the location and type of emergency kits; i.e., protective equipment, communications equipment, radiological monitoring equipment, and emergency supplies. The Emergency Planning Department procedures establish the inventory quantities of the items listed in the kits.

2.13 RECEIPT AND ANALYSIS OF FIELD MONITORING DATA

- (1) Field monitoring data will be transmitted to the EOF for review and analysis. Prior to the EOF being operational, data will be transmitted to the TSC for review and analysis.

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3.0 ATTACHMENTS

- (1) TABLE H-1, "RADIOLOGICAL MONITORING SAMPLING STATION LOCATIONS"
- (2) TABLE H-2, "RADIOLOGICAL MONITORING LOCATIONS, TLD LOCATIONS AND PERMANENT AIR SAMPLER LOCATIONS"
- (3) FIGURE H-1, "TSC AND OSC FLOOR PLAN, TYPICAL"
- (4) FIGURE H-2, "EOF FLOOR PLAN, TYPICAL"
- (5) FIGURE H-3, "ORAA FLOOR PLAN, TYPICAL"
- (6) FIGURE H-4, "DIRECTIONS TO ORAA"
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- (9) FIGURE H-7, "JPIC FLOOR PLAN, TYPICAL"
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TABLE H-1

RADIOLOGICAL MONITORING SAMPLING STATION LOCATIONS

Station #	Description	Distance From Plant	Direction	Degrees	Samples
49	Lewis Access	4.57 miles	NW	337	Surface Water, Fish
50	Plant Intake	.23miles	E	107	Surface Water, Bottom Sediments
51	Plant Discharge	.26miles	SE	127	Surface Water, Bottom Sediments
53	C.R. Treated	8.56 miles	SE	141	Ground Water
54	C.R. Raw	8.59 miles	SE	142	Ground Water
55	On Site Well	On Site	PSC Bldg.	335	Ground Water
57	Bull Farm	.57 miles	W	246	Ground Water, Vegetation,
58	Frantz Farm	.56 miles	SW	242	Ground Water, Vegetation
61	Cedar River Downstream from DAEC Discharge	2.12 miles		188	Fish
63	Andrews	1.65 miles	NW	298	Milk, Vegetation
72	VanNote	1.89 miles	SW	212	Vegetation, Ground Water,
93	Yarborough	3.26 miles	NE	011	Milk, Vegetation
94	Hines	3.23 miles	NE	005	Vegetation
96	Keiper	6.99 miles	SW	191	Milk
99	Pleasant Creek Reservoir	2.07 miles	NW	310	Surface Water
101	Flecksing	3.91 miles	E	085	Milk, Vegetation
105	Schulte	17.90 miles	SSW	201	Milk, Vegetation
106	Stallman	3.87 miles	SE	132	Vegetation
107	Sewage System	.26 miles (site)	NNW of Plant	336	Surface Water, Bottom Sediments Sewage Sludge
Precipitation		400 feet	SE of Plant	135	

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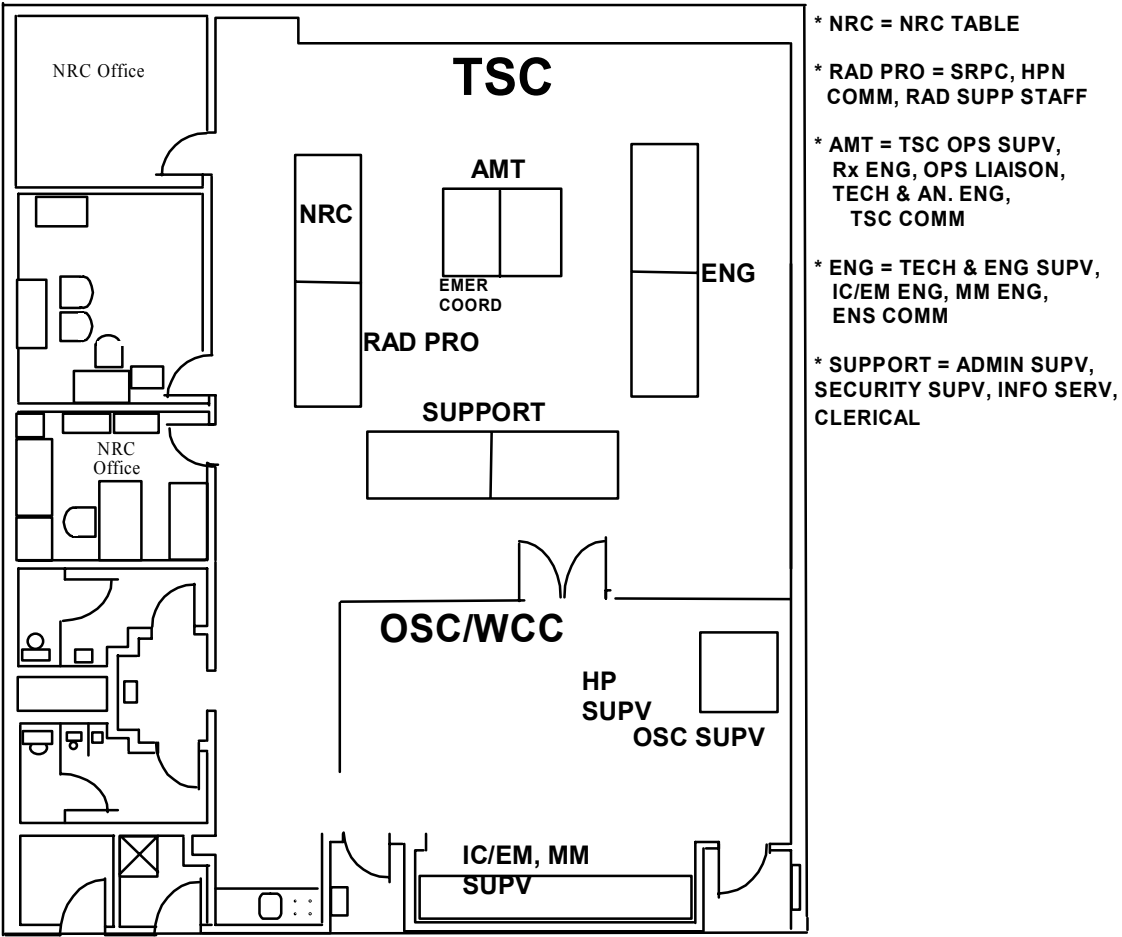
TABLE H-2
RADIOLOGICAL MONITORING LOCATIONS
TLD LOCATIONS AND PERMANENT AIR SAMPLER LOCATIONS

	Station	Distance From Plant	Degrees	Direction
Control	1*	12.80 miles	146	SE of site stack
	2*	10.40 miles	117	ESE of site stack
	3*	6.66 miles	129	SE of site stack
	5*	2.70 miles	201	SSW of site stack
	6*	6.84 miles	357	N of site stack
	7*	4.98 miles	263	W of site stack
	8*	9.60 miles	331	NW of site stack
	10*	8.39 miles	211	SSW of site stack
	11*	3.04 miles	091	E of site stack
	13*	9.06 miles	065	ENE of site stack
Control	15*	.81 miles	348	NW of site stack
	16*	.21 miles	151	SSE of site stack
	17	.50 miles	0	N of site stack
	18	.42 miles	021	NNE of site stack
	19	.38miles	048	NE of site stack
	20	.29 miles	069	ENE of site stack
	21	.29 miles	092	ENE of site stack
	22	.27 miles	107	E of site stack
	23	.29 miles	126	ESE of site stack
	28	.42 miles	249	WSW of site stack
	29	.40 miles	273	W of site stack
	30	.42 miles	295	WNW of site stack
	31	.64 miles	315	NW of site stack
	32	.86 miles	340	NNW of site stack
	33	2.79 miles	005	N of site stack
	34	2.50 miles	024	NNE of site stack
	35	1.78 miles	046	NE of site stack
	36	2.19 miles	072	ENE of site stack
	37	1.80 miles	090	E of site stack
	38	1.92 miles	108	ESE of site stack
	39	1.50 miles	132	SE of site stack
	40	1.34 miles	161	SSE of site stack
	41	3.43 miles	180	S of site stack
	42	2.61 miles	149	SE of site stack
	43	.92 miles	207	SSW of site stack
	44	1.0 miles	253	WSW of site stack
	45	.90 miles	265	W of site stack
	46	1.05 miles	299	WNW of site stack
	47	1.17 miles	308	WNW of site stack
	48	1.13 miles	336	NW of site stack
	82	.31 miles	146	SE of site stack
	83	.28 miles	165	SSE of site stack
	84	.29 miles	199	S of site stack of
	85	.35 miles	213	SSW of site stack
	86	.50 miles	234	SW of site stack
	91	.72 miles	344	N of site stack

*Permanent Air Sampler Locations

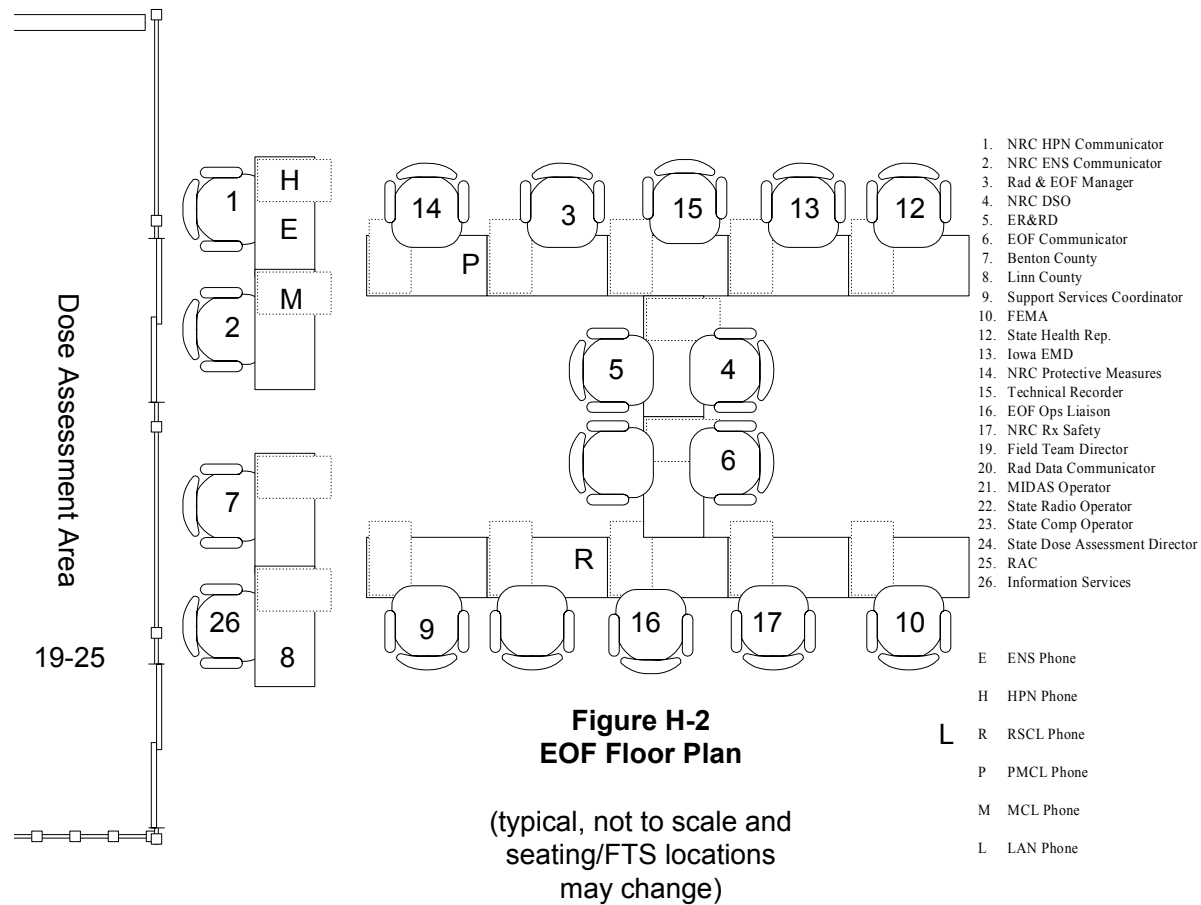
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Figure H-1
TSC/OSC Floor Plan (typical)

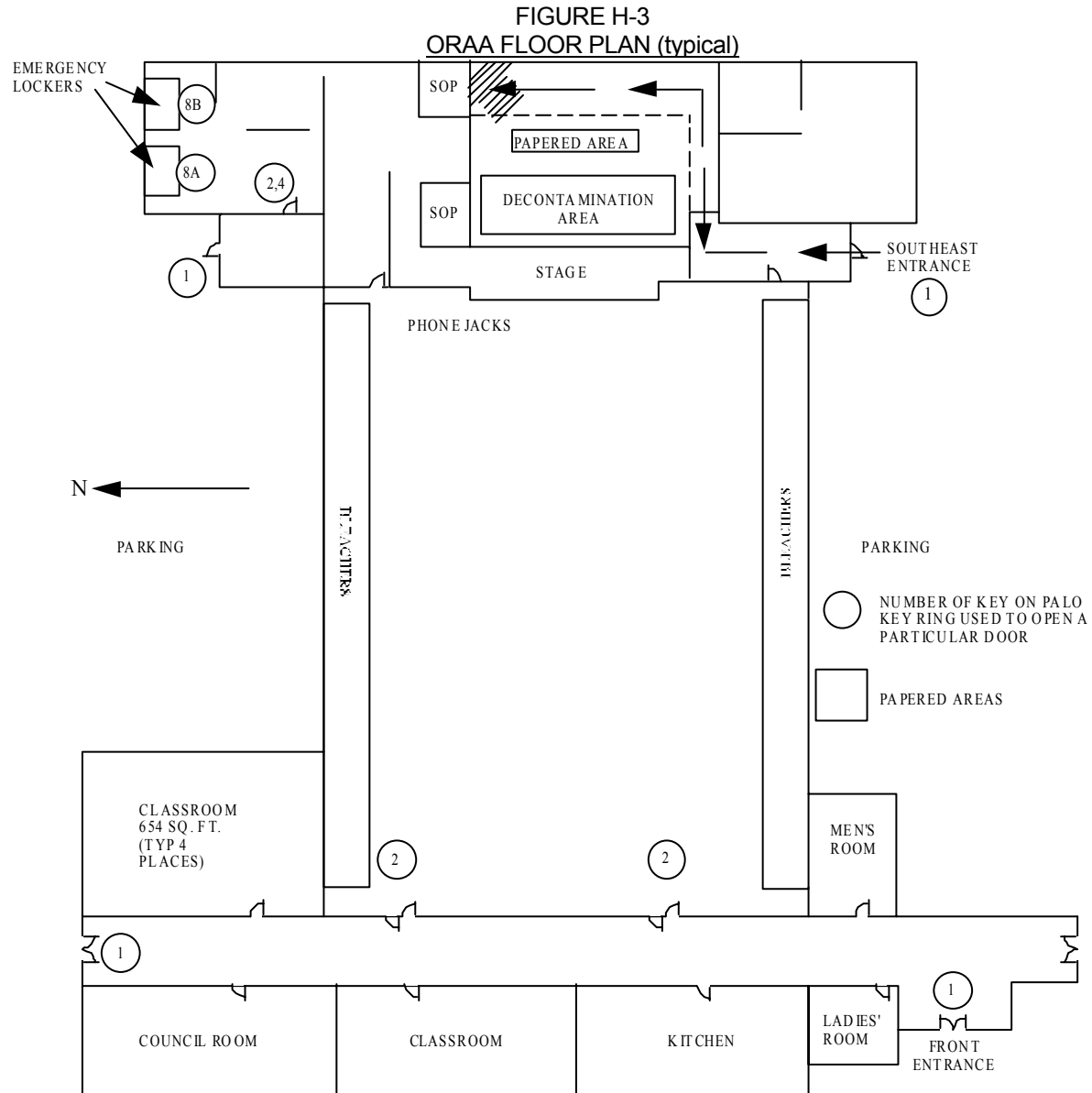


DAEC EMERGENCY PLAN	SECTION 'H'
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Figure H-2: EOF Floor Plan (typical)

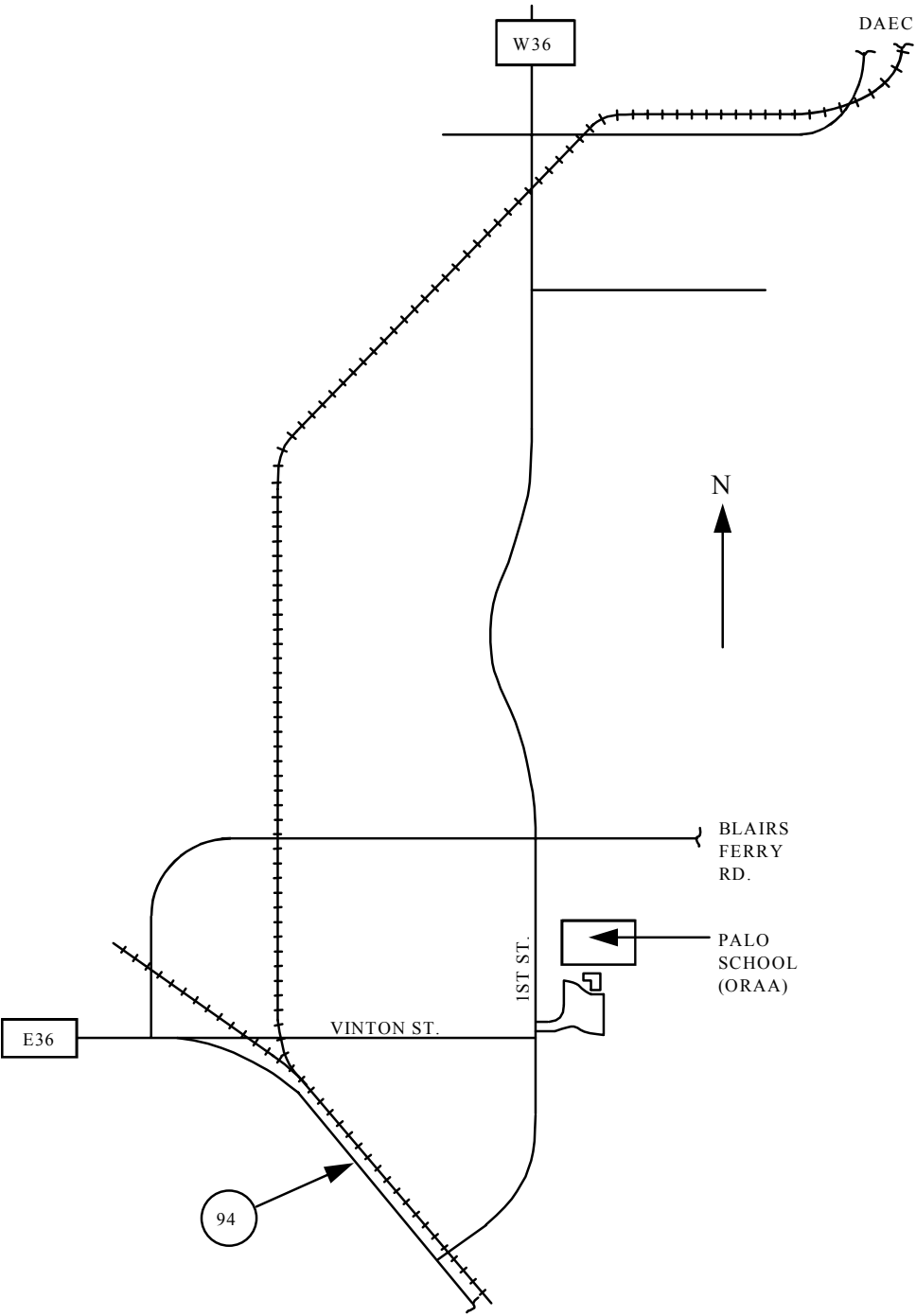


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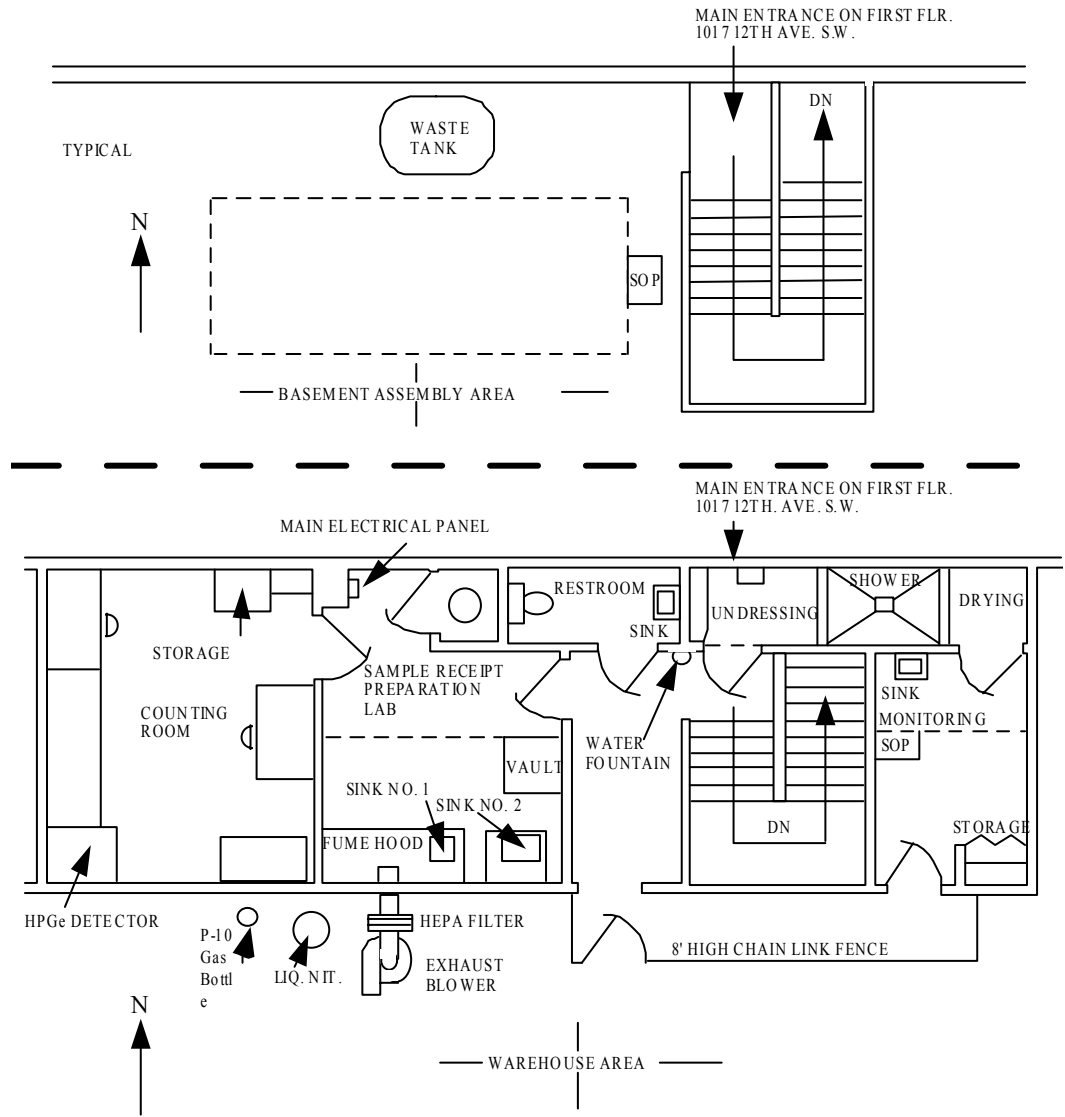
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FIGURE H-4
DIRECTIONS TO ORAA



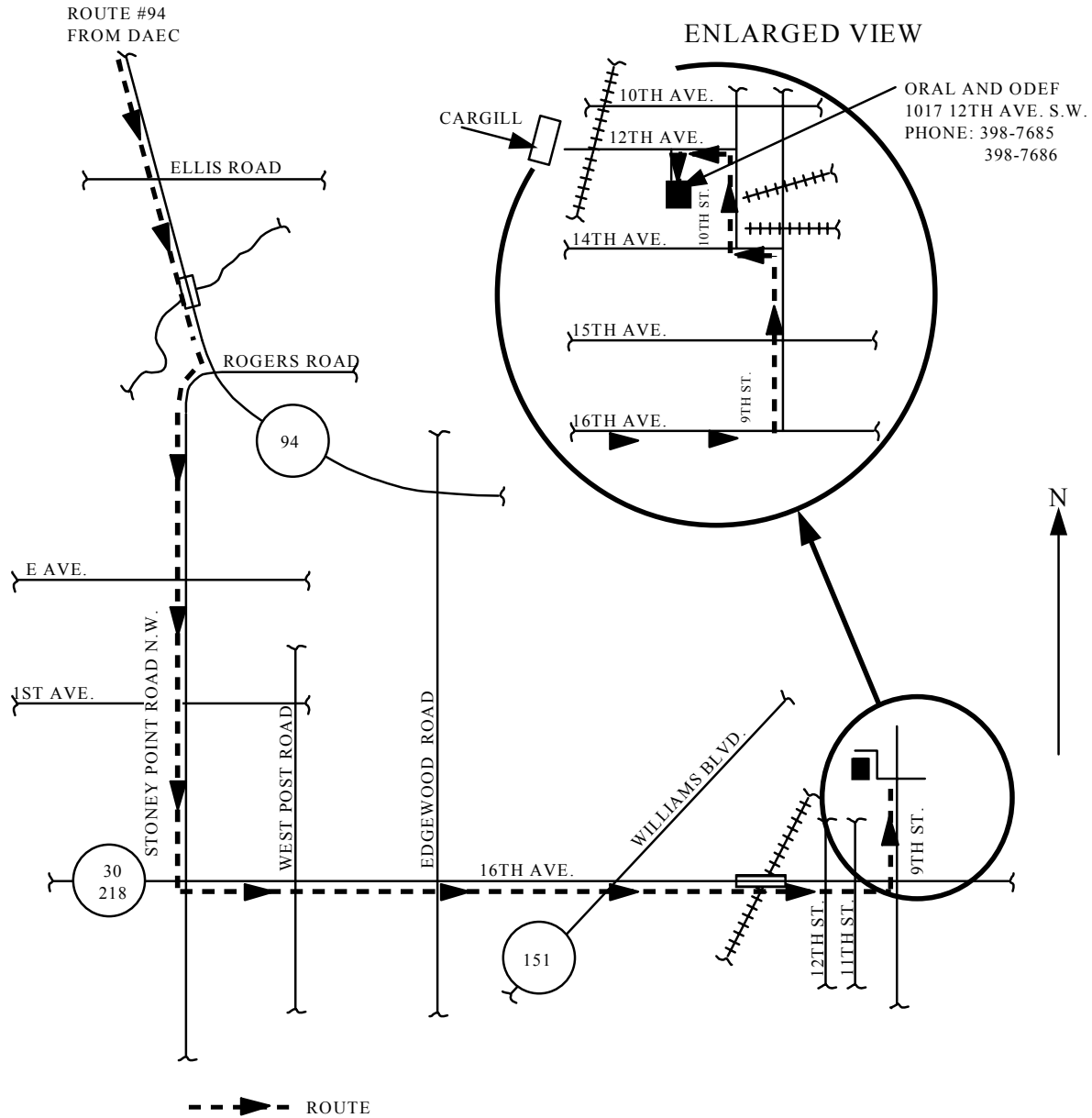
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FIGURE H-5
ORAL/ODEF FLOOR PLAN (typical)

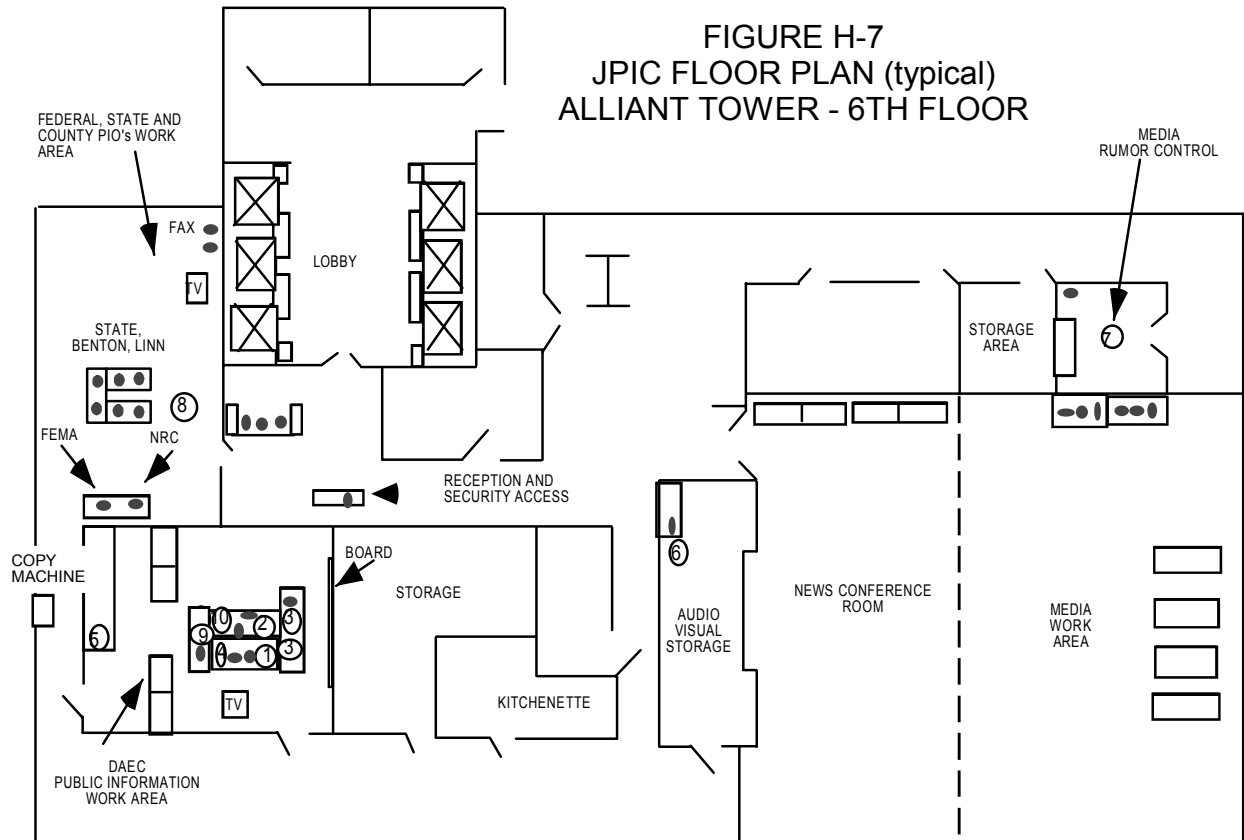


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FIGURE H-6
DIRECTIONS TO THE ORAL/ODEF



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WORK STATION LOCATIONS

- ① DAEC SPOKESPERSON
- ② JPIC MANAGER
- ③ TECHNICAL LIAISON
- ④ ASSISTANT JPIC MANAGER

- ⑤ LOGISTICS COORDINATOR/SUPPORT
- ⑥ AUDIO-VISUAL SUPPORT
- ⑦ NEWS MEDIA RUMOR CONTROL
- ⑧ PIO SUPPORT
- ⑨ RUMOR CONTROL COORDINATOR
- ⑩ MEDICAL CONSULTANT

- TELEPHONE/
FAX LINE

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FIGURE H-8
 BACKUP JPIC - FLOOR PLAN
 ALLIANT ENERGY HANGER – EASTERN IOWA AIRPORT
 (typical)

