

DAEC EMERGENCY PLANNING DEPARTMENT PROCEDURE TRANSMITTAL ACKNOWLEDGEMENT MEMO (TAM-62)

To: NRC-NRR Document Control Desk
US NRC
Washington DC 20555

Re: Entire EPIP Document (Copy 28)

PSM Title: n/a

Distribution Date: 08 / 29 / 2003
Effective Date of Change: 08 / 29 / 2003
Return by: 09 / 17 / 2003

Please perform the following to your assigned manual. If you have any questions regarding this TAM please contact Don A. Johnson at 319-851-7872.

EPIP Table of Contents Revision

REMOVE
Rev. 139

INSERT
Rev. 140

EPIP EAL-01 (PWR: 21932)

Rev. 3

Rev. 4

PERFORMED BY:

Print Name

Sign Name

Date

Please return to: K. Dunlap
PSC/Emergency Planning
3313 DAEC Rd.
Palo, IA 52324

To be completed by DAEC EP personnel only:

Date TAM returned: _____

EPTools updated: _____

A045

Wednesday, August 27, 2003

NRC-NRR Document Control Desk
US NRC
Washington, DC 20555

To: NRC-NRR Document Control Desk
From: DAEC Emergency Planning Department

Re: Description of changes to the following documents

EPIP EAL-01 Abnormal Rad Levels/Radioactive Effluent EAL Table
Revising form to ensure consistency with the EAL Basis Document to allow usage of the table without continually referring to the EAL Bases Document.

Add equipment IDs where ever they are missing to enhance timely & Accurate EAL Declarations.

Raise the Unusual Event entry setpoint to 2 times the ODAM limit (CAP)28632) for Offgas Stack and LLRPSF Kamans as shown in Bases Document table.

Please contact Paul Sullivan, Manager of Emergency Preparedness at DAEC, (319)851-7191, if you require further information.

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1.3	Plant Assembly and Site Evacuation	9	09/12/01
1.4	Release of Emergency-Related Information	4	09/04/02
1.5	Activation and Operation of the EOF	4	6/11/03
2.1	Activation and Operation of the OSC	13	09/12/01
2.2	Activation and Operation of the TSC	23	10/23/02
2.3	Operation of the FTS-2001 Phone Network	6	09/04/02
2.4	Activation and Operation of the ORAA	8	09/12/01
2.5	Control Room Emergency Response Operation	14	10/15/01
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2.7	Activation and Operation of the ODEF	6	10/15/01
2.8	Security Threat	2	7/30/03
3.1	In-Plant Radiological Monitoring	12	9/2/02
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CR-03	Dose Projection & ARM Data Sheet	Rev. 0	EPIP 2.5
CR-04	Control Room to TSC Command and Control Transfer Checklist	Rev. 1	EPIP 2.5
EAL-01	Abnormal Rad Levels/Radioactive Effluent Table	Rev. 4	EPIP 1.1
EAL-02	Fission Barrier Table	Rev. 3	EPIP 1.1
EAL-03	Hazards & Other Conditions Affecting Plant Safety	Rev. 3	EPIP 1.1
EAL-04	System Malfunction Table	Rev. 3	EPIP 1.1
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EOF - 05	EOF Information Services Representative Checklist	Rev. 3	EPIP 1.5
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EAL-1 BLE
ABNORMAL RAD LEVEL RADIOACTIVE EFFLUENT

EVENT TYPE	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
OFFSITE RAD CONDITIONS	<p>AU1 Any Unplanned Release of Gaseous or Liquid Radioactivity to the Environment That Exceeds Two Times the Offsite Dose Assessment Manual (ODAM) Limit and Is Expected to Continue For 60 Minutes or Longer</p> <p>Operating Modes: ALL</p> <p>Valid Reactor Building ventilation rad monitor (Kaman 3/4, 5/6, 7/8) or Turbine Building ventilation rad monitor (Kaman 1/2) reading above 1 E-3 $\mu\text{Ci/cc}$ and is expected to continue for 60 minutes or longer.</p> <p>OR</p> <p>Valid Offgas Stack rad monitor (Kaman 9/10) reading above 2.0 E-1 $\mu\text{Ci/cc}$ and is expected to continue for 60 minutes or longer.</p> <p>OR</p> <p>Valid LLRPSF rad monitor (Kaman 12) reading above 1.0 E-3 $\mu\text{Ci/cc}$ and is expected to continue for 60 minutes or longer.</p> <p>OR</p> <p>Valid GSW rad monitor (RIS-4767) reading above 3E+3 CPS and is expected to continue for 60 minutes or longer.</p> <p>OR</p> <p>Valid RHRSW & ESW rad monitor (RM-1997) reading above 8E+2 CPS and is expected to continue for 60 minutes or longer.</p> <p>OR</p> <p>Valid RHRSW & ESW Rupture Disc rad monitor (RM-4268) reading above 1E+3 CPS and is expected to continue for 60 minutes or longer.</p> <p>OR</p> <p>Confirmed sample analyses for gaseous or liquid releases indicates concentrations or release rates in excess of 2 times ODA limit and is expected to continue for 60 minutes or longer.</p> <p>OR</p> <p>Valid perimeter radiation monitor reading of greater than 0.10 mr/hr above normal background and is expected to continue for 60 minutes or longer.</p> <p>OR</p> <p>Valid dose assessment indicating dose rates beyond the site boundary above 0.1 mr/hr TEDE and is expected to continue for 60 minutes or longer.</p>	<p>AA1 Any Unplanned Release of Gaseous or Liquid Radioactivity to the Environment that Exceeds 200X the Offsite Dose Assessment Manual (ODAM) Limit and Is Expected to Continue for 15 Minutes or Longer</p> <p>Operating Modes: ALL</p> <p>Valid Reactor Building ventilation rad monitor (Kaman 3/4, 5/6, 7/8) or Turbine Building ventilation rad monitor (Kaman 1/2) reading above 3 E-2 $\mu\text{Ci/cc}$ and is expected to continue for 15 minutes or longer.</p> <p>OR</p> <p>Valid Offgas Stack rad monitor (Kaman 9/10) reading above 6 E+0 $\mu\text{Ci/cc}$ and is expected to continue for 15 minutes or longer.</p> <p>OR</p> <p>Valid LLRPSF rad monitor (Kaman 12) reading above 1 E-1 $\mu\text{Ci/cc}$ and is expected to continue for 15 minutes or longer.</p> <p>OR</p> <p>Valid GSW rad monitor (RIS-4767) reading above 3E+5 CPS and is expected to continue for 15 minutes or longer.</p> <p>OR</p> <p>Valid RHRSW & ESW rad monitor (RM-1997) reading above 8E+4 CPS and is expected to continue for 15 minutes or longer.</p> <p>OR</p> <p>Valid RHRSW & ESW Rupture Disc rad monitor (RM-4268) reading above 1E+5 CPS and is expected to continue for 15 minutes or longer.</p> <p>OR</p> <p>Confirmed sample analyses for gaseous or liquid releases indicates concentrations or release rates with a release duration expected to continue for 15 minutes or longer in excess of 200 times ODA limit.</p> <p>OR</p> <p>Valid site boundary radiation reading of greater than 10 mr/hr above normal background and is expected to continue for 15 minutes or longer.</p> <p>OR</p> <p>Valid indication on MIDAS of a release greater than 200 times ODA limit and expected to last for 15 minutes or longer.</p>	<p>AS1 Site Boundary Dose Resulting from an Actual or Imminent Release of Gaseous Radioactivity Exceeds 100 mrem TEDE or 500 mrem CDE Thyroid for the Actual or Projected Duration of the Release</p> <p>Operating Modes: ALL</p> <p>Valid Reactor Building ventilation rad monitor (Kaman 3/4, 5/6, 7/8) or Turbine Building ventilation rad monitor (Kaman 1/2) reading above 6 E-2 $\mu\text{Ci/cc}$ and is expected to continue for 15 minutes or longer. (Dose assessment not available)</p> <p>OR</p> <p>Valid Offgas Stack rad monitor (Kaman 9/10) reading above 4 E+1 $\mu\text{Ci/cc}$ and is expected to continue for 15 minutes or longer. (Dose assessment not available)</p> <p>OR</p> <p>Field survey results indicate site boundary dose rates exceeding 100 mrem/hr expected to continue for more than one hour; or analyses of field survey samples indicate CDE Thyroid of 500 mrem for one hour of inhalation.</p> <p>OR</p> <p>Dose assessment determines integrated accident dose projection outside the site boundary above 100 mrem TEDE or above 500 mrem CDE Thyroid.</p>	<p>AG1 Site Boundary Dose Resulting from an Actual or Imminent Release of Gaseous Radioactivity that Exceeds 1000 mrem TEDE or 5000 mrem CDE Thyroid for the Actual or Projected Duration of the Release</p> <p>Operating Modes: ALL</p> <p>Valid Reactor Building ventilation rad monitor (Kaman 3/4, 5/6, 7/8) or Turbine Building ventilation rad monitor (Kaman 1/2) reading above 6 E-1 $\mu\text{Ci/cc}$ and is expected to continue for 15 minutes or longer. (Dose assessment not available)</p> <p>OR</p> <p>Valid Offgas Stack rad monitor (Kaman 9/10) reading above 4 E+2 $\mu\text{Ci/cc}$ and is expected to continue for 15 minutes or longer. (Dose assessment not available)</p> <p>OR</p> <p>Field survey results indicate site boundary dose rates exceeding 1,000 mrem/hr expected to continue for more than one hour; or analyses of field survey samples indicate CDE Thyroid of 5,000 mrem for one hour of inhalation.</p> <p>OR</p> <p>Dose assessment determines integrated accident dose projection outside the site boundary above 1,000 mrem TEDE or above 5,000 mrem CDE Thyroid.</p>
ONSITE RAD CONDITIONS	<p>AU2 Unexpected Increase in Plant Radiation</p> <p>Operating Modes: ALL</p> <p>Uncontrolled loss of reactor cavity or fuel pool water level with all spent fuel assemblies remaining covered by water as indicated by ANY of the following:</p> <ul style="list-style-type: none"> Report to control room Valid fuel pool level indication (LI-3413) below 36 feet and lowering Valid WR GEMAC Floodup indication (LI-4541) coming on scale. <p>OR</p> <p>Unexpected ARM reading offscale high or above 1000 times normal* reading.</p> <p>*Normal levels can be considered as the highest reading in the past twenty-four hours excluding the current peak value.</p>	<p>AA2 Major Damage to Irradiated Fuel or Loss of Water Level that Has or Will Result in the Uncovering of Irradiated Fuel Outside the Reactor Vessel</p> <p>Operating Modes: ALL</p> <p>Report of either of the following:</p> <ul style="list-style-type: none"> Valid Refueling Floor North End (RM-9163), Refueling Floor South End (RM-9164), or New Fuel Storage Area (RM-9153) ARM Reading above 10 mr/hr Valid Spent Fuel Storage Area (RM-9178) ARM Reading above 100 mr/hr <p>OR</p> <p>Report of visual observation of irradiated fuel uncovered</p> <p>OR</p> <p>Valid water level reading below 450" as indicated on LI-4541 (floodup) for the Reactor Refueling Cavity that will result in irradiated fuel uncovering.</p> <p>OR</p> <p>Valid Fuel Pool water level indication (LI-3413) below 16 feet that will result in irradiated fuel uncovering.</p>		
		<p>AA3 Release of Radioactive Material or Increases in Radiation Levels Within the Facility That Impedes Operation of Systems Required to Maintain Safe Operations or to Establish or to Maintain Cold Shutdown</p> <p>Operating Modes: ALL</p> <p>Valid Control Room Area Radiation Monitor (RM-9162) reading above 15 mr/hr.</p> <p>OR</p> <p>Valid North CRD Module Area Rad Monitor (RM-9168), reading above 500 mr/hr affecting the Remote Shutdown Panel, 1C388.</p>		