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INFORMATION ONLY

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8. Item	9. Page	10. Step	11. Proposed Modifications
1	110	8.4.7	<p>REVIEW ^{the} ENTIRE SECTION Add</p> <p style="text-align: right;">ADMIN RECORD</p> <p style="text-align: right;">DOCUMENT CLASSIFICATION REVIEW WAIVER PER CLASSIFICATION OFFICE</p>

12. Justification (Reason for Modification E.O.# TP# etc.)
REQUIREMENT FOR SPILL RESPONSE PLAN WITHIN SITE SPECIFIC HEALTH AND SAFETY PLAN

If modification is for a new procedure or a revision list concerning disciplines in Block 13, and enter N/A in Blocks 14 and 15. If modification is for any type of change or a cancellation organizations are listed in Block 13 then Concurror prints, and signs in Block 14, and dates in Block 15.

13. Organization	14. Print, Sign (if applicable)	15. Date (if applicable)
FIRE DEPT.	<i>[Signature]</i>	1-12-95
RADIOLOGICAL ENGR	<i>[Signature]</i>	1-17-95
IH	<i>[Signature]</i>	1-11-95
ER HSO	<i>[Signature]</i>	1/26/95
HSLO	<i>[Signature]</i>	1-17-95
RWP	<i>[Signature]</i>	2-2-95
QA	<i>[Signature]</i>	2-7-95

16. Originator's Supervisor (print/sign/date)
M C Burmeister / MC Burmeister 1-9-95

17. Assigned SME/Phone/Pager/Location A.S. Schmiechen/3191/4484/T891B
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M. Schmechen 2-7-95

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DECONTAMINATION FACILITY HEALTH AND SAFETY PLAN

EG&G ROCKY FLATS PLANT

Manual:

RFP/ER-SAF-93-DCON

Revision No:

0

Page:

110 of 119

Effective Date:

02-09-95

Organization:

Environmental Mgmt.

then notify the Site Manager. The Site Manager will notify the EG&G Environmental Restoration (ER) Program Field Supervisor, PM, and Health and Safety Officer. The responsibility of the HSS is to implement notification and reporting requirements of DOE Order 5484.1

8.4.7 Spill Response Planning

The Spill Response Plan is designed to establish a program/plan to optimize a safe and informed response to incidental situations with the intent of protecting employees, public and the environment. In addition to safeguarding site personnel, the plan is designed to protect plant personnel and the public from contaminants that could potentially move offsite, protect property adjacent to the storage areas from potential hazards within the storage areas, and prevent equipment loss as a result of fire, explosion, or contamination. This Plan is for spill response actions to be taken by Decontamination Facility (DF) personnel.

Table 8-3 identifies the contents of the DF tanks, and the maximum quantity of liquids in the tanks. If only one 2500 gallon storage tank is leaking then the spill can be considered incidental. If more than one 2500 gallon tank is leaking, then an emergency response is required. Sediment tank leakage shall be treated as incidental unless liquids flow outside of secondary containment.

95-DME-ERM-0019

DECONTAMINATION FACILITY HEALTH AND SAFETY PLAN

EG&G ROCKY FLATS PLANT

Manual:

RFP/ER-SAF-93-DCON

Revision No:

0

Page:

110A of 119

Effective Date:

02-09-95

Organization:

Environmental Mgmt.

8 4 7 1 Incidental Spill Operations

Incidental Spill Definitions

An incidental release is a limited quantity release of a hazardous substance which does not pose a significant safety or health hazard to employees in the immediate vicinity or to the employee cleaning it up. In addition, the release does not have the potential to become an emergency within a short time frame. The Site Manager or Site Safety Officer will assume Incident Commander duties unless relieved by trained Plant personnel.

Incidental spills at the MDF and PADF are limited to quantities controllable by the personnel at the spill. There is secondary containment under both facilities which collects spills and precipitation. The liquids contained in the MDF RCRA tanks have had extensive chemistry and radiological analysis performed which reveal a very low hazard to health and environment. Twenty-five hundred gallons of liquid can be safely recovered by the MDF personnel with the available equipment.

95-AMR-ERM-0019

DECONTAMINATION FACILITY HEALTH AND SAFETY PLAN

EG&G ROCKY FLATS PLANT Manual:	RFP/ER-SAF-93-DCON
Revision No:	0
Page:	110B of 119
Effective Date:	02-09-95
Organization:	Environmental Mgmt.

Spills considered as incidental include

- ▶ Controllable MDF and PADF Decontamination Water spills less than 2500 gallons inside secondary containment
- ▶ Gasoline and diesel spills less than 1 gallon
- ▶ Small Acid spills, if the individual observing the spill is trained, capable and has the proper PPE and materials to respond
- ▶ An acid spill shall be considered an emergency if anyone must respond to the spill from outside the area
- ▶ A small mercury spill, such as from a thermometer can be responded to as an incidental spill if the proper spill kit is available

Personnel immediately responding to the spills shall use the appropriate spill kits available at the site of the spill. If a spill kit for diesel, gasoline or mercury is not available then an emergency response is required.

95-AMR-ERM-0019

DECONTAMINATION FACILITY HEALTH AND SAFETY PLAN

EG&G ROCKY FLATS PLANT Manual:	RFP/ER-SAF-93-DCON
Revision No:	0
Page:	110C of 119
Effective Date:	<i>02-09-95</i>
Organization:	Environmental Mgmt.

Incidental Response Actions For Decontamination Water Spills

- 1 If a controllable spill occurs inside secondary containment, Then, shut off pumps transferring liquid if safe to do so and proper PPE is available
- 2 Close valves to stop flow into effected area or line, in accordance with Table 8-5
- 3 Warn coworkers in the area by voice or radio on EMAD 11
- 4 Isolate the area to prevent traffic through the release area
- 5 Pump or vacuum liquids and sediments into an available tank
- 6 Notify Site Manager or EG&G MDF Manager on EMAD 11
- 7 Contact the Shift Supervisor, (See Table 8-1), if the material spilled is reportable, (See Appendix 5 of 1-49-HWRM-04) and Environmental Restoration Management is not available
- 8 Contact the Project Manager at 980-0540

Incidental Response Actions for Acid or Mercury Spills

- 1 Warn coworkers in the area of the spill
- 2 If only a few drops are spilled contact the DF HSS for guidance prior to cleaning up the release

95-DMR-ERM-0019

DECONTAMINATION FACILITY HEALTH AND SAFETY PLAN

EG&G ROCKY FLATS PLANT Manual:	RFP/ER-SAF-93-DCON
Revision No:	0
Page:	110D of 119
Effective Date:	<i>02-09-95</i>
Organization:	Environmental Mgmt.

8 4 7 2 Emergency Spill Operations

Emergency Spill Definitions

An emergency response includes, but is not limited to the following situations

- ▶ The responders are not in the immediate response area,
- ▶ The release requires evacuation of employees in the area,
- ▶ The release poses, or has the potential to pose, conditions that are Immediately Dangerous to Life and Health (IDLH),
- ▶ The releases poses a serious threat of fire or explosion (exceeds or has the potential to exceed the lower flammable limit),
- ▶ The release may cause high levels of exposure to toxic substances,
- ▶ There is uncertainty that the employees in the work area can safely handle the severity of the hazard with the available PPE and equipment

95-DMR-ERM-0019

DECONTAMINATION FACILITY HEALTH AND SAFETY PLAN

EG&G ROCKY FLATS PLANT Manual:	RFP/ER-SAF-93-DCON
Revision No:	0
Page:	110E of 119
Effective Date:	<i>02-09-95</i>
Organization:	Environmental Mgmt.

Emergency Spill Response Actions

- 1 If a release is observed, then immediately warn coworkers in the contaminated area and notify supervision on EMAD 11
- 2 Shut off pumps transferring liquid if safe to do so
- 3 Close valves to stop flow into effected area or line, in accordance with Table 8-5
- 4 Move to a safe location upwind and post a person upwind to prevent unauthorized personnel from entering the contaminated area
- 5 Notify Site Manager or EG&G manager on EMAD 11
IF supervision is not available, notify Shift Supervisor by telephone at X2914 or 2911 on the radio
- 6 IF a potentially life threatening emergency or uncontrolled release exists, Call X2911 or radio channel EMAD 1, for emergency assistance for access to the Fire Department Dispatch Center and Occupational Health
 - ▶ Provide the following information, upon request, to the qualified Emergency Dispatcher
 - Exact location of the emergency (nearest road, etc)
 - Nature of the emergency
 - Condition of patient if applicable (breathing, consciousness, bleeding, etc)
 - Special hazards in the area
 - Your name
 - Building number, cargo number, or unit number

95-AMR-ERM-0019

DECONTAMINATION FACILITY HEALTH AND SAFETY PLAN

EG&G ROCKY FLATS PLANT Manual:	RFP/ER-SAF-93-DCON
Revision No:	0
Page:	110F of 119
Effective Date:	02-09-95
Organization:	Environmental Mgmt.

- ▶ If no details are given, emergency response personnel will respond automatically
- ▶ Other notification requirements are described in Hazardous Waste Requirements Manual, Release Response and Reporting (1-C49-HWRM-04) and ADM 16 02

8 4 7 3 Post-Spill Response Actions

Equipment used for spill response will be decontaminated at the Decontamination Facilities or be washed with a soap solution and triple rinsed. Non-reusable items used for decontamination and decontamination wash water will be handled per the Hazardous Waste Requirements Manual and Field Operation Procedures. The Site Manager will ensure that spill kit materials are restocked and a post-spill review will be performed.

If a tank is drained to prevent further release, the alternatives for transferring and isolating drained material are listed in Table 8-5. The drained material that is transferred to another RCRA unit must be compatible with any material that is stored in the receiving tank.

Transfer the liquids with Pump # 1 from the failed container into an empty

RCRA tank or another tank with available capacity.

95-AMR-ERM-0019

DECONTAMINATION FACILITY HEALTH AND SAFETY PLAN

EG&G ROCKY FLATS PLANT Manual:	RFP/ER-SAF-93-DCON
Revision No:	0
Page:	110G of 119
Effective Date:	<i>02-09-95</i>
Organization:	Environmental Mgmt.

95-DMR-ERM-0019

Release of decontamination water that is too small in quantity to pickup using a pump, can be contained using the MDF five gallon vacuum and returning the liquids or sediments to the sump or Sediment Tank # 2

If a temporary repair is made to stop a leak in a RCRA tank, an assessment must be performed to determine if the tank is fit for use. This assessment must be completed by an engineer(s) with experience in materials and construction methods and familiar with the Colorado Hazardous Waste Regulations. If it is determined that the tank is unfit for use, then the tank must be closed in accordance with the requirements described in the Hazardous Waste Requirements Manual, Closure of Active RCRA Units and Deletion of 90-day Accumulation Units (1-A09-HWRM-15)

DECONTAMINATION FACILITY HEALTH AND SAFETY PLAN

EG&G ROCKY FLATS PLANT	Manual:	RFP/ER-SAF-93-DCON
	Revision No:	0
	Page:	110H of 119
	Effective Date:	<i>02-09-95</i>
	Organization:	Environmental Mgmt.

8 4 7 4 Evacuation Plan

Visitors to this Hazardous Waste Area will not respond to the incident and will evacuate the areas if any of the following occur

- ▶ Fire, explosion
- ▶ Spill requiring emergency response
- ▶ If instructed by the Life Safety/Disaster Warning (LS/DW) Public Address System
- ▶ If instructed by site supervision

The assembly area for visitors at T891D and MDF personnel is Connex 39, which is in the northwest corner of the contractor's yard. The assembly area for visitors and DF personnel at the PADF is in the southwest corner of the 964 Laydown Yard. Non-essential personnel should proceed to Portal #1 after all decon facility personnel are accounted for and the site manager has been notified.

95-DMR-ERM-0019

DECONTAMINATION FACILITY HEALTH AND SAFETY PLAN

EG&G ROCKY FLATS PLANT Manual:	RFP/ER-SAF-93-DCON
Revision No:	0
Page:	110I of 119
Effective Date:	<i>02-09-95</i>
Organization:	Environmental Mgmt.

TABLE 8-1

Emergency Numbers

Department/Group	Name	Phone	Page	Home Phone
Shift Superintendent (Incident Commander)		2911 2914		
ER Health and Safety Officer	Keith Anderson	6979		
H&S Liason Officer (IH)	Peggy Schreckengast	6790	3059	
Occupational Health	F J Furman	2895		
Occupational Safety	Don Harlow	4165	1637	
Operations Manager	Marla Broussard	8517		
Facility Management	Mark Burmiester	5891	4630	
Radiological Engineering	Rick Gentry	8349		
Radiological Operations		5725		
Release, Response & Reporting	On-Call WRP		1600	
Security	Wachenhut	2464		
Unit Manager, Unit 18 01	A Schmiechen	3191	4484	
Fire Department		2911		

95-DMR-ERM-0019

DECONTAMINATION FACILITY HEALTH AND SAFETY PLAN

EG&G ROCKY FLATS PLANT Manual:	RFP/ER-SAF-93-DCON
Revision No:	0
Page:	110J of 119
Effective Date:	<i>02-09-95</i>
Organization:	Environmental Mgmt.

TABLE 8-2

**Decontamination Facilities
Incidental Response Equipment**

Spill Response Supplies	Location
Coveralls, Poly Coated Tyvek	DF Areas
Gloves (Neoprene/Nitrile)	DF Areas
Booties (Compatible with spill material)	DF Areas
Tape (2 inch)	DF Areas
Blue Absorbent Pads	DF Areas
Disposable Wipes	DF Areas
Large Plastic Bags	DF Areas
Yellow Absorbent XL Booms (6ft)	DF Areas
Broom and Shovel (non-sparking)	DF Areas
Oil Skimming Pads and Mats	DF Areas
Yellow Absorbent Pillows	DF Areas
55-gallon poly bags	DF Areas
Boots (BATA or Similar Type)	DF Areas
Roll of plastic	DF Areas
Mini-Rae OVD	T891D
Drums, 55 Gallon	DF Areas
Pumps (Diaphragm and Centrifugal)	DF Areas
Face shield	DF Areas

95-DMR-ERM-0019

DECONTAMINATION FACILITY HEALTH AND SAFETY PLAN

EG&G ROCKY FLATS PLANT	Manual:	RFP/ER-SAF-93-DCON
	Revision No:	0
	Page:	110K of 119
	Effective Date:	02-09-95
	Organization:	Environmental Mgmt.

TABLE 8-3

Description of RCRA-Regulated Tanks

Tank No.	RCRA Unit No.	Description of Tank Contents (including quantity)
DW-1	18 01	Decon Water 2500 gallons
DW-2	18 01	Decon Water 2500 gallons
DW-3	18 01	Decon Water 2500 gallons
DW-4	18 01	Decon Water 2500 gallons
DW-5	18 01	Decon Water 2500 gallons
ST-1	18 01	Decon Water 840 gallons
ST-2	18 01	Decon Water 445 gallons
ST-3	18 01	Decon Water 445 gallons

95-AMR - ERM - 0019

DECONTAMINATION FACILITY HEALTH AND SAFETY PLAN

EG&G ROCKY FLATS PLANT Manual:	RFP/ER-SAF-93-DCON
Revision No:	0
Page:	110L of 119
Effective Date:	02-09-95
Organization:	Environmental Mgmt.

TABLE 8-4

Description of Non-Regulated Tanks

Tank No.	Description of Tank Contents (including quantity)
DW-6	Decon Water 2500 gallons
DW-7	Decon Water 2500 gallons
DW-8	Decon Water 2500 gallons
DW-9	Decon Water 2500 gallons
DW10	Decon Water 2500 gallons
ST-1	Decon Water 840 gallons
ST-2	Decon Water 445 gallons
ST-3	Decon Water 445 gallons

95-DMR-ERM-0019

DECONTAMINATION FACILITY HEALTH AND SAFETY PLAN

EG&G ROCKY FLATS PLANT Manual:	RFP/ER-SAF-93-DCON
Revision No:	0
Page:	110M of 119
Effective Date:	<i>02-09-95</i>
Organization:	Environmental Mgmt.

TABLE 8-5

Isolating Feed to RCRA-Regulated Tanks
at the MDF

Tank No.	RCRA Unit No.	Transfer or Feed Pump No.	Location of Pump	Isolation Valve No.	Location of Valve
DW-1	18 01	Pump #1	Pump Shed	1	Pump Shed Manifold #1
DW-2	18 01	Pump #1	Pump Shed	2	Pump Shed Manifold #2
DW-3	18 01	Pump #1	Pump Shed	3	Pump Shed Manifold #3
DW-4	18 01	Pump #1	Pump Shed	4	Pump Shed Manifold #4
DW-5	18 01	Pump #1	Pump Shed	5	Pump Shed Manifold #5
ST-1	18 01	Pump #1	Pump Shed	6 10 11 13	Pump #1 Cyclone Filter #1 Cyclone Filter #2 Pump #1 Drain
ST-2	18 01	Pump #1	Pump Shed	7 9 14	Sediment Tank #1 Sediment Tank#1 Upper Valve Sediment Tank #1 Lower Valve
ST-3	18 01	Pump #1	Pump Shed	8 12	Line to Sediment Tank #3 Sediment Tank #2 Emergency Drain

95-DMR-ERM-0019

DECONTAMINATION FACILITY HEALTH AND SAFETY PLAN

EG&G ROCKY FLATS PLANT	Manual:	RFP/ER-SAF-93-DCON
	Revision No:	0
	Page:	110N of 119
	Effective Date:	02-09-95
	Organization:	Environmental Mgmt.

8 4 8 Thunderstorms and Tornadoes

A severe thunderstorm watch or a tornado watch announcement on radio or television indicates that a severe thunderstorm or tornado is possible. Work will continue at the work site during severe thunderstorm watches or tornado watches. A severe thunderstorm warning or a tornado warning signifies that a severe thunderstorm or a tornado has been sighted or detected by radar and may be approaching. All work on site shall cease during a thunderstorm, severe thunderstorm warning, or tornado warning.

95-DME-ERM-0019