

ATTACHMENT II-6

CONTINGENCY PLAN

April 25, 2017

Emergency Coordinator Revision: April 25, 2017

**IN CASE OF EMERGENCY,
USE THE INFORMATION ON THESE PAGES:**

Emergency Telephone Numbers:	Page 2
Facility Building Locations:	Page 3
Emergency Response Information:	Pages 4-11
Location of Emergency Equipment:	Pages 12-39

BASIC EMERGENCY PROCEDURES

- A. _____ **Contain the emergency, if possible.**
- B. _____ **Notify and alert others, contact the Primary Emergency Coordinator or alternate in the order listed. Use the list of emergency numbers.**
- C. _____ **Evacuate personnel if necessary. Identify the materials involved. Assess the hazards.**
- D. _____ **Obtain equipment and resources to respond to emergency. Use the equipment listed on the maps.**
- E. _____ **Control the emergency. Prevent its recurrence. Direct the clean up efforts.**
- F. _____ **Report emergency to the appropriate agencies. Use the checklists in the plan.**

EMERGENCY TELEPHONE NUMBERS/LIST OF EMERGENCY COORDINATORS

April 25, 2017

FOR ALL NUMBERS PLEASE DIAL “8” TO OBTAIN AN OUTSIDE LINE

EnergySolutions OFFICES:	BUSINESS	EMERGENCY
SALT LAKE CITY OFFICE	(801) 649-2000	(801) 649-2000
EnergySolutions SITE OFFICE	(801) 649-2175	(801) 649-2175

(SITE ADDRESS: 50 miles east of Wendover, Utah, 72 miles west of Salt Lake City, Utah, and about 5 miles from I-80. DIRECTIONS: From I-80, take Clive Exit 49. From the exit, go south and onto the paved county road and follow the signs to EnergySolutions. EnergySolutions' Administration Building is about 2 miles east and 1 mile south of the Clive railroad crossing. The Clive railroad crossing is about 3 miles southwest of I-80 Exit 49.)

UTAH HIGHWAY PATROL	(435) 843-4436	(435) 843-4436
TOOELE COUNTY Health Department	(435) 277-2300	(435) 277-2440 (435) 830-2014
24-HOUR DISPATCH FOR:	AMBULANCE	
	FIRE	(435) 882-5600
	SHERIFF	
	UT HIGHWAY PATROL	
WENDOVER, UTAH (CONTACT TOOELE COUNTY SHERIFF)		(435) 882-5600
HOSPITALS		
MOUNTAIN WEST MEDICAL CENTER (Tooele, Utah)	(435) 843-3600	(435) 843-3600
UNIVERSITY OF UTAH HEALTH SCIENCES CENTER (MEDICAL CENTER, Salt Lake City, Utah)	(801) 581-2121	(801) 581-2291
AIR TRANSPORT/AIR MED (Call the Air Med Helicopter for <u>life-threatening</u> emergencies only)		
SALT LAKE CITY AIR MED HELICOPTER	(801) 581-2291	(801) 581-2291
UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY:		
DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL	(801) 536 0200	(801) 536 4123
DIVISION OF WATER QUALITY	(801) 536-4300	(801) 536-4123
DIVISION OF EMERGENCY RESPONSE AND REMEDIATION	(801) 536-4100	(801) 536-4123
U.S. BLM SALT LAKE CITY FIELD OFFICE	(801) 977-4300	(801) 977-4300
U.S. EPA REGION VIII (DENVER)	(800) 227-8917	(800) 227-8917
U.S. NRC OPERATIONAL CENTER	(301) 816-5100	(301) 816-5100
NATIONAL RESPONSE CENTER	(800) 424-8802	

EnergySolutions EMERGENCY COORDINATORS AND TELEPHONE NUMBERS

On-site Security Guards: (435) 884-0155. Emergency Coordinator addresses are kept in the Site Security Office.

- | | | | |
|----------------------------|-------------------|-----------------|-----------------|
| 1. David Squires (Primary) | 2. Craig Erickson | 3. Brian Beynon | 4. Roger Ekins |
| 801-649-2160 | 801-649-2048 | 801-649-2051 | 801-649-2052 |
| 801-243-9077 | 435-830-0701 | 801-309-6437 | 435-830-8003 |
| | | | |
| 5. Tom Brown | 6. Mike Cantone | 7. Brennon Dick | 8. Jan Hatfield |
| 801-649-2168 | 801-649-2186 | 801-649-2158 | 801-649-2085 |
| 801-739-4592 | 435-224-4730 | 435-830-7865 | 801-349-9000 |
| | | | |
| 9. Justin Lee | | | |
| 801-649-2190 | | | |
| 435-841-7075 | | | |

Attachment II-6-Emergency Coordinator List

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CONTINGENCY PLAN

1. Implementing this Contingency Plan.
 - a. This plan shall be implemented immediately in the event of the following contingencies:
 - i. fires
 - ii. explosions
 - iii. releases

(Note: a **release** is defined in Module I, *Standard Conditions*, Condition I.L.)
2. Contingency Plan Procedure.
 - a. Any employee, contractor, security guard or other worker upon discovery of a fire, explosion, or release at the Facility shall implement this Contingency Plan.
 - b. Following discovery of a fire, explosion or release, the discoverer shall notify an individual on the list of Emergency Coordinators.
3. Access to Corporate Resources
 - a. All employees shall have access to Permittee resources for emergency response.
4. Arrangements with Local Response Organizations
 - a. No formal arrangements have been made with outside emergency response organizations. However, such response agencies may be contacted in the event of an emergency. (Note: See the list of emergency telephone numbers on page 2 of this plan.)
5. List of Emergency Equipment
 - a. Following is a list of onsite emergency equipment and descriptions and a brief outline of their capabilities, or use:

Equipment/Description	Capability/Use
Self-Contained Breathing Apparatus- SCBA has a high pressure tank, a pressure regulator, and an inhalation connection, connected together and mounted in a carrying frame	Rescue in hazardous atmosphere
Eye Wash Stations Continuous flow/fountain of water	Flush debris/foreign material from eyes
Emergency Showers Employee showers for personal decontamination	Flush clothing/the body of contaminants
Fire Extinguishers -ABC style -D style	ABC -Personal Escape, hot work, small fires. D- Suited for metal fires involving magnesium, sodium, potassium, uranium, and powder aluminum.
First Aid Stations/Kits Contains bandages, over the counter medications, etc.	Initial treatment of minor injuries
Emergency Lighting Light supplied when the main power is out	Activated when main AC power supply is lost
Neutralizing Chemicals Soda Ash and/or Clay material	Spill clean-up, containment, and initial treatment
Over-pack Containers	Secure storage of leaking containers
Chemical Spill Protective Apparel PPE (i.e. face shields, gloves, goggles, safety glasses, hard hat)	Assess/Clean-up laboratory chemical spills
Evacuation Alarms Visual and/or Audio signals	Warning indicators
Fire Suppression System Automatic liquid/or foam systems integrated into the Mixed Waste Operations and Treatment Buildings	Mitigates the spread of facility fires that have increased beyond the incipient stage
Gas Monitors LEL, O2, CO, and H2S or NO2	Alarms to warn personnel if hazardous conditions exist
Air Sample Draw Pumps Portable air sample vacuum pump	Monitoring various chemicals at the point of exposure
Fall-Arrest Tripod w/ Lifeline Tripods, slings, harnesses, ropes, and miscellaneous attachments	Safety precaution for working at heights, and rescue from confined spaces
Ambulance w/ EMT Supplies Vehicle retrofitted with lifesaving emergency equipment	Life support and transport
Automatic External Defibrillators (AEDs)	Heart/Cardiac arrest treatment

- b. Fixed equipment shall be kept at locations identified in Exhibits II-6a-1 through II-6w. Mobile equipment (Ambulance, First Aid Kits, Monitors, Draw Pumps, and Rescue Tripod w/Lifeline) may be in use throughout the Clive Site as required.

6. Evacuation Plan

- a. When necessary in an emergency, the Facility shall be evacuated according to the following steps:
 - i. Announcement of Evacuation. Instructions to evacuate shall be given in one of the following ways:
 - A. by activating the alarm in the Mixed Waste Treatment Building, Mixed Waste Operations Building, or Mixed Waste Storage Building
 - B. by oral evacuation instructions (radios and other available internal communication may be used)
 - ii. Evacuation Routes
 - A. Posted at each facility building are detailed evacuation routes that are specific to each building.
 - B. All personnel shall safely proceed to the nearest established Access Control Point and exit as directed.
 - C. Personnel shall evacuate to the MW or LLRW Unloading Docks or other alternate location announced by the Emergency Coordinator, when the Emergency Coordinator deems it is unsafe to evacuate to the established Access Control Point.
 - D. Personnel may exit at any point that is safe to do so when the Access Control Point and the Unloading Docks are inaccessible.
 - E. Off-site evacuation routes include, but are not limited to, the perimeter access roads and county roads.
 - F. Personnel exiting the restricted area without decontamination shall restrict their movements to as small an area as possible, declare to the

Emergency Coordinator or authorized personnel that they are potentially contaminated and not spread the contamination to other personnel.

- iii. Post-Evacuation Gathering Points. The primary designated post-evacuation gathering points are at the Operations Building North Parking Lot (building # 7) and The Administration Building North Parking Lot (Building #100). . These locations are noted on Exhibit II-6. A secondary point is at the northwest site entrance. The Emergency Coordinator may select an alternative gathering point depending on the nature of the emergency, weather conditions, or other considerations that affect the ability of personnel to gather at the primary or secondary gathering point.
- iv. Post-Evacuation Roll Call.
 - A. The Emergency Coordinator or designee shall conduct a roll-call activity. Sign-in sheets may be used to facilitate this activity.
 - B. Facility supervisors shall account for those employees under their charge.
 - C. The Emergency Coordinator shall use this information to determine whether there are any personnel which have not yet evacuated.
 - D. The Emergency Coordinator shall direct an effort to account for any missing personnel.
- v. Ending the Evacuation. After evacuation, personnel will not return to their work in evacuated areas until an "all clear" signal is given by the Emergency Coordinator.

7. Copies of This Contingency Plan

- a. The Permittee shall keep a copy of this Contingency Plan near each wired-in facility telephone. This requirement is not applicable for cellular, portable or mobile, or conference room telephones.
- b. Copies to Response Agencies. The Permittee shall provide a copy of this contingency plan and all revisions to the plan to each of the response agencies identified on the emergency list on page 2 of this plan and to the Utah Division of Environmental Response and Remediation. Copies of this plan need not be

provided to the reporting agencies on the list.

8. Duties of Emergency Coordinator

- a. Whenever there is an imminent or actual emergency situation, the Emergency Coordinator shall immediately ensure the following is done:
 - i. Activate internal facility alarms, or communication systems, where applicable and appropriate, to notify facility personnel; and
 - ii. Notify appropriate response agencies if their help is needed.
- b. Whenever there is a release, fire, or explosion, the Emergency Coordinator shall immediately identify the character, exact source, amount, and areal extent of any released materials. The Emergency Coordinator may do this by observation or review of facility records or manifests, and, if necessary, by chemical or radiological analysis.
- c. The Emergency Coordinator shall assess if the release contained PCB/Mixed Waste. If the released material involved PCB/Mixed Waste, decontamination shall occur in accordance with 40 CFR 761, Subpart G.
- d. Concurrently, the Emergency Coordinator shall assess possible hazards to human health or the environment that may result from the release, fire, or explosion. As part of this assessment, the Emergency Coordinator shall consider both direct and indirect effects of the release, fire, or explosion (e.g., the effects of any toxic, irritating, or asphyxiating gases that are generated, or the effects of any hazardous surface water run-off from water or chemical agents used to control fire and heat-induced explosions).
- e. If the Emergency Coordinator determines that the Facility has had a release, fire, or explosion **which could threaten human health, or the environment, outside the Facility**, the Emergency Coordinator shall report those findings as follows:
 - i. If the Emergency Coordinator's assessment indicates that evacuation of local areas may be advisable, the Emergency Coordinator shall immediately notify appropriate local authorities. The Emergency Coordinator shall be available to help appropriate officials decide whether local areas should be evacuated; and
 - ii. The Emergency Coordinator shall immediately notify the National

Response Center using their 24-hour toll free number (800) 424-8802.

The report shall include:

- Name and telephone number of reporter;
 - Name and address of the Facility;
 - Time and type of incident (e.g., release, fire);
 - Name and quantity of material(s) involved, to the extent known;
 - The extent of injuries, if any; and
 - The possible hazards to human health, or the environment, outside the Facility.
- iii. A leak or spill of one pound or less of hazardous waste, that is immediately contained and cleaned-up, need not be reported.
- iv. Releases that are contained within a secondary containment system need not be reported.
- v. The following tables shall be consulted to determine whether a spill is reportable or not:

Inside the Restricted Area	Item	Quantity	Implementation of Contingency Plan Required	Reportable
	Radioactive Waste	Greater than 220 pounds	Yes, if spill occurs outside of Secondary Containment	Yes, if spill occurs outside of Secondary Containment
	Radiologically contaminated or potentially contaminated liquid (including leachate, and excluding incidental drippage from routine decontamination operations and precipitation and condensation events).	Any Amount	Yes, if spill occurs outside of Secondary Containment.	Yes, if spill occurs outside of Secondary Containment
	Hazardous Waste	< 1 lb	No	No
	Hazardous Waste*	> 1 lb	Yes, if spill occurs outside of Secondary Containment	Yes, if spill occurs outside of Secondary Containment
	Petroleum products	Greater than 25 gallons	Yes	Yes, if spill occurs outside of Secondary Containment
	PCB Waste	Less than one pound of PCBs by weight	Yes	No
		Greater than one pound of PCBs by weight	Yes	Yes
	*NOTE: For spills of hazardous waste > 2.2 lbs, the Manager, Compliance and Permitting or designee shall review the waste codes against UAC R315-9-1 to determine if notification is required to the Utah Division of Environmental Response and Remediation.			

Outside the Restricted Area	Item	Quantity	Implementation of Contingency Plan Required	Reportable
	F, K, P, U Listed Waste Non-U Listed Waste Characteristic Waste Leachate Radiologically contaminated or Potentially contaminated liquid Radioactive Waste	Any Amount	Yes	Yes
	Petroleum products	Greater than 25 gallons	Yes	Yes
	PCB Waste	Less than one pound of PCBs by weight	Yes	No
		Greater than one pound of PCBs by weight	Yes	Yes
** The reporting requirements for PCBs is based on the amount of PCBs within the spill, not the spill weight (e.g., if one pound of waste that contained 500,000 ppm of PCBs was spilled, the total amount of PCBs spilled for reporting requirements is only ½ pound)				

- f. During an emergency, the Emergency Coordinator shall take all reasonable measures necessary to ensure that fires, explosions, and releases do not occur, recur, or spread to other hazardous waste at the Facility. These measures shall include, where applicable, stopping processes and operations, collecting and containing released waste, and removing or isolating containers.
- i. In the event of a fire at the Mixed Waste Operations Building or Mixed Waste Treatment Building, the Emergency Coordinator shall verify that the Fire Suppression System Pump is operational. Verification shall be

accomplished by either of the following methods:

- A. Use of Security Cameras to verify that the RED strobe light located on top of the Fire Water Pump House has activated or,
 - B. Assign an employee to drive to the Fire Water Pump House and visually verify that the pump is operational.
- g. If the Facility stops operations in response to a fire, explosion, or release, the Emergency Coordinator shall coordinate monitoring for leaks, pressure buildup, gas generation, or ruptures in valves, pipes, or other equipment, wherever this is appropriate.
- h. Immediately after an emergency, the Emergency Coordinator shall provide for treating, storing, or disposing of recovered waste, contaminated soil or surface water, or any other material that results from a release, fire, or explosion at the Facility. Unless it can be determined that the recovered material is not a hazardous waste, the recovered material shall be managed as a hazardous waste. If it is determined that the recovered material is PCB/Mixed Waste, it shall be managed in accordance with Attachment II-1-10, *Management of Waste Containing Polychlorinated Biphenyls (PCBs) at the Mixed Waste Facility*.
- i. The Emergency Coordinator shall ensure that, in the affected area(s) of the Facility:
- i. No waste that may be incompatible with the released material is treated or disposed of until cleanup procedures are completed; and
 - ii. All emergency equipment listed in the contingency plan is cleaned and fit for its intended use before operations are resumed.
- j. The Permittee shall notify the Director that the Facility has completed the requirements in Condition 8.i., above, before operations are resumed in the affected area(s) of the Facility.
- k. The Permittee shall note in the operating record the time, date, and details of any incident that requires implementing this Contingency Plan. Within 15 calendar days after the incident, the Permittee shall submit a written report on the incident to the Director. The report shall include:
- i. The Permittee's name, mailing address, and telephone number;

- ii. Address and telephone number of the Facility;
 - iii. Date, time, and type of incident (e.g., fire, explosion);
 - iv. Name and quantity of material(s) involved;
 - v. The extent of injuries, if any;
 - vi. An assessment of actual or potential hazards to human health or the environment, where this is applicable; and
 - vii. Estimated quantity and disposition of recovered material that resulted from the incident.
- l. Within 30 calendar days of detecting a release to the environment from a tank system or secondary containment system, the Permittee shall report the following information to the Director:
- i. Likely route of migration of the release.
 - ii. Characteristics of the surrounding soil (including soil composition, geology, hydrogeology, and climate).
 - iii. Results of any monitoring or sampling conducted in connection with the release. If the Permittee finds it will be impossible to meet this time period, the Permittee shall provide the Director with a schedule of when the results will be available. This schedule shall be provided before the required 30-day submittal period expires;
 - iv. Proximity of down-gradient drinking water, surface water, and populated areas.
 - v. Description of response actions taken or planned.
9. Amendment of this Contingency Plan. This plan shall be reviewed and immediately amended, if necessary, under any of the following circumstances:
- a. This Permit is modified.
 - b. This plan fails in an emergency.
 - c. The Facility changes in a way that increases the potential for fires, explosions, or

releases of hazardous or industrial waste constituents, or alters the response necessary in an emergency.

- d. The emergency names (emergency coordinators) or their telephone numbers change.
- e. The list of emergency equipment changes.

END OF ATTACHMENT II-6