

ATTACHMENT 6
CONTINGENCY PLAN

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1.0 Facility Information

Facility Name: Clean Harbors Clive
Facility Operator: Clean Harbors Clive, LLC
Location: 3½ miles south of Milepost 49 (Clive Interchange) on Interstate 80,

The facility is designed as a transfer and storage facility of RCRA and TSCA wastes and of non-hazardous wastes. Waste is stored in container storage buildings and in other permitted storage areas. Waste is shipped to other locations for treatment or disposal.

This plan mirrors the contingency plan for the Clean Harbors Aragonite facility and because of the limited operations and staff at Clive, this plan utilizes procedures, resources and emergency coordinators from Aragonite.

2.0 Purpose

This Contingency Plan outlines the emergency procedures that will be employed to minimize risks to human health and the environment.

The provisions of this plan will be carried out as specified in Section 5.0.

3.0 Emergency Coordinators

Table 1, at the end of this Attachment, contains the names of those persons qualified to act as Emergency Coordinator at Aragonite. The Emergency Coordinator for Aragonite also acts as the Emergency Coordinator for Clive. All Emergency Coordinators have the authority to call on outside assistance or call upon Clean Harbors Aragonite and Clean Harbors Clive resources to respond to the emergency and to commit requisite resources to implement this plan.

The Aragonite Shift Supervisor, also identified as the Incinerator Supervisor, is normally the Emergency Coordinator. When no Shift Supervisor is available at Aragonite, another qualified individual (identified with an asterisk (*) on the Emergency Call Sheet (Table 1)) will be designated as the Emergency Coordinator. At least one of the individuals qualified to act as Emergency Coordinator will be on-site at Aragonite at all times. The Aragonite Control Board Operator (CBO) will know the identity of the Emergency Coordinator.

The duties of the Emergency Coordinator are to assess the situation and take steps necessary to protect human health and the environment. The Emergency Coordinator is responsible for the coordination of containment and recovery operations following an emergency or a major emergency. The responding Emergency Coordinator is responsible for the complete written report of the incident. The Environmental Manager will be responsible for forwarding the report to the appropriate regulatory agencies.

4.0 Definitions

Major Emergency: Any explosion, fire, spill, discharge, or natural disaster which has damaged or destroyed, or threatens to damage or destroy, plant property, or impair plant operations, or results in a discharge of waste material into the environment and is beyond the capability of on-site personnel and equipment to control. A major emergency may originate from an on-plant event, such as spills, fires, explosions, etc., or an off-plant incident, such as an aircraft crash on plant property, fire from neighboring property, or natural disasters.

Emergency: Similar to a major emergency except that no outside assistance is needed or summoned to deal with the situation. This includes spills or discharges outside of containment areas reportable under section 11.0 of this plan, explosions, and fires.

Spill or Discharge: A spill is defined as any release which includes any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping or disposing into the environment. This definition applies to all materials that are released (i.e., hazardous and non-hazardous waste, raw materials, by-products, residues, etc.). Specifically excluded from the definition of "spill" is any release which does not enter the environment or any federally permitted release (e.g., permitted air emissions).

Contained Spill or Discharge: A spill or discharge which is contained means that the spill is contained within an area which provides a barrier to prevent a release from contacting the ground or surface waters. This includes paved areas where no runoff occurs, secondary containment structures and the inside of buildings.

Shutdown of Operations: Curtailing of site operations, by shutting down all waste activities. Buildings are closed to prevent wind or rain from entering, and all unloading operations are ceased, as needed. Maintenance and contractor's machinery will be shut down, as needed.

Designated Gathering Points (DGP): They are shown on Figure G.2, drawing 43-02-1-18 located in Attachment 9. The Northern DGP is just west of the main entrance road approximately 200 feet north of the Rail to Trailer Transfer Facility (Unit 255). The Eastern DGP is approximately 1000 feet east of the East Gate in the security fence, which is near the Containerized Waste Storage & Staging Facility (Unit 101). The Southern DGP is approximately 1000 feet south of the South Gate in the security fence, which is near the southwest corner of the maintenance building (Unit 061). The Western DGP is approximately 1000 feet west of the West Gate in the security fence, which is near the southeast corner of the Bulk Container Storage Area (Unit 106).

5.0 Implementation of Contingency Plan

The Contingency Plan will be implemented at Clive whenever there is a major emergency, emergency, whenever there is a contained spill or discharge which threatens human health (i.e., a spill or discharge resulting in one or more individuals requiring medical treatment or evaluation), or any other time the Emergency Coordinator feels it is appropriate. The purpose of this Contingency Plan is to outline the actions which operating personnel will take in response to emergencies, such as fires, explosions, leaks, spills, natural disasters, or discharges of hazardous substances. It establishes guidelines for the orderly handling and reporting of emergency situations which occur or could foreseeably develop at the Clive facility.

5.1 Assessment/Notification

Any person discovering a situation which may require implementation of the Contingency Plan (e.g., fires, spills, etc.) shall immediately warn others working nearby and notify the Emergency Coordinator or CBO.

The Emergency Coordinator will appraise the situation and determine whether to initiate the Contingency Plan.

The Emergency Coordinator will notify personnel on site of the situation through radios.

Should the situation result in the spill or discharge of hazardous waste, the spill prevention control and countermeasures procedure shall be followed.

If there is a spill or discharge, the worker(s) discovering it will immediately notify the Emergency Coordinator and assess the characteristics of the spill or discharge and promptly initiate a plan to stop the source of the leak. The Emergency Coordinator will initiate measures so as to protect human health and the environment.

Information about waste stored on-site is tracked in the waste-tracking database. All wastes stored on-site are tracked by facility personnel.

5.2 Evacuation Plan

In the event that an evacuation is necessary, on-site personnel will be notified by radio. The evacuation routes should be upwind or crosswind of the emergency and culminate at the designated assembly point(s). The security guard or Clive personnel trained in security and designated as the security official will be available by radio or telephone and, will announce the appropriate assembly point(s) over the radio. All non-essential personnel, visitors, and contract personnel shall evacuate the area and assemble at the appropriate assembly point(s).

The facility has a system for identifying everyone within the facility. The designated person at the assembly point(s) will notify the Emergency Coordinator of any personnel that are known to be missing. Visitors shall be the responsibility of their Clive contact for accountability.

5.3 Control Procedures

5.3.1 Spills or Discharges

Spilled material will normally be contained in the area where the spill occurs. All spills will be collected and subsequently transferred to approved storage or to a 90-day accumulation area.

Spills may also occur outside of the containment berms, for example in the case where the containment area has been damaged or in the situation where the spill occurs when the waste is

not in a containment area. All material will be kept from entering storm drains, water courses, wells, water systems, and navigable waterways, if possible.

Incompatible wastes are segregated via concrete curbs and containment bays. Thus, the probability of incompatible wastes commingling is not high, and, if possible, spills will be segregated and will be cleaned up immediately to prohibit commingling of wastes.

The following steps are taken to contain and clean up spills and discharges:

- Dress in appropriate protective equipment.
- Prevent further leaking by repositioning the container, overpacking, or applying a temporary seal to the leak. Simple overpacking for containers is the preferred method.
- Prevent the spill from spreading by trenching or encircling the area with a dike of sand, absorbent material, or, as a last resort, dirt or rags, or other suitable material. If the spill is in an outside area and it is raining or rain is imminent, cover the spill with plastic sheeting, if feasible.
- The spill area is cleaned up and tested for contamination, as appropriate. If the spill area is not in a containment area (i.e., on dirt) the contaminated material will be removed.

5.3.2 Explosions

In the event of an explosion, the Emergency Coordinator will immediately shut down all equipment that may be affected. If the explosion occurs where liquids are stored and a spill occurs, procedures for spill containment will commence. Explosions involving other plant areas will require evacuation, possible first aid for injured personnel, securing the area to prevent unauthorized entry, and assessment of damages.

In all cases, the Emergency Coordinator must be notified as soon as equipment and waste storage areas are secured.

5.3.3 Fires

In the event of a fire, the automatic sprinkling system and water cannons may be activated. Fire extinguishers are located in all buildings. In the event a fire cannot be extinguished using the stationary equipment, fire hoses may be hooked to the hydrants and activated. The water falling on the hazardous waste storage areas will primarily be contained through the containment sump systems.

6.0 Prevention of Recurrence or Spread of Fires, Explosions, or Releases

During an emergency, the Emergency Coordinator must take all reasonable measures necessary to ensure that additional fires, explosions, and releases do not occur, recur, or spread to other hazardous waste at the facility. These measures must include, where applicable, stopping

processes and operations, collecting and containing release waste, and removing or isolating containers.

If the facility stops operations in response to a fire, explosion, or release, the Emergency Coordinator must monitor for leaks, pressure buildup, gas generation, or ruptures in valves, pipes, or other equipment, wherever this is appropriate.

In order to protect the facility from the possibility of range fires, a firebreak will surround the entire facility.

7.0 Storage and Treatment of Spilled or Discharged Material

Post event sampling and analyses will be performed after containment, clean-up, and decontamination procedures have been completed.

All spilled or released material will be managed as hazardous waste.

8.0 Post-Emergency Equipment Maintenance

All equipment used during an emergency, major emergency, or contained spill or discharge will be cleaned and/or replaced, when necessary, to prepare for any future use. The emergency equipment will be checked as necessary for completeness and operability.

9.0 Emergency Equipment

Section 4.0 of the Preparedness and Prevention Plan, Attachment 5, lists the emergency equipment at the site along with a physical description and outline of its capabilities. Table 2 of this Attachment is a listing of drawings showing the locations of the minimum emergency equipment at Clive. The drawings follow the Table 2.

10.0 Coordination Agreements

Clean Harbors Clive has negotiated a written agreement with Tooele County. Representatives of Tooele County have been contacted, have received a copy of this Contingency Plan, and have received a plant walk-through to familiarize them with the plant layout and function. Annual re-orientation is offered at the plant site for Tooele County representatives. By the terms of the written agreement, Tooele County has agreed to provide the following services:

- Tooele County road maintenance,
- Routine law enforcement,
- Fire response,
- Public health,
- Public safety,
- Hospital isolation unit, and
- Telecommunications.

Clean Harbors Clive has also negotiated agreements with other local agencies to provide assistance in the event that additional equipment and manpower are required at the facility. Representatives of each agency below have been contacted. Each has received a copy of this Contingency Plan and has received a plant walk-through to familiarize each agency with the plant layout and function. Also, annual re-orientation is offered at the plant site to the following agencies:

Tooele County Sheriff's Department*
Tooele, Utah
435-882-5600

Tooele Emergency Management
435-843-3263

* The Sheriff's Department is the designated primary coordinating agency.

The following agencies may be used for additional resources should the need arise:

U.S. Bureau of Land Management
Salt Lake District Office
801-977-4300

Mountain West Medical Center
435-843-3600

University of Utah Hospital
801-581-2291

Airmed
University of Utah
801-581-2991

Spill contractors that may be contacted, as necessary:

IT Corporation
800-421-5574

O.H. Materials
800-537-9540

Other emergency assistance and advice can be solicited from:

Clean Harbors Transportation Related Emergencies
800-483-3718

National Response Center

U.S. Coast Guard
400 Seventh Street, S.W.
Washington, D.C. 20510
800-424-8802

ChemTrec (Chemical Transportation Emergency Center)
800-424-9300

Chlorep (Chlorine Incidents)
800-424-9300

NACA Pesticides Safety Team Network
800-424-9300

This plan will be reviewed annually, updated as necessary, and forwarded to Tooele County's Department of Emergency Management and Department of Engineering.

11.0 Required Reports

As required by R315-8-4.7(d) and 40 CFR 264.56(d), for major emergencies, Clean Harbors Clive shall immediately notify the Utah State Department of Environmental Quality. The report will include:

- Name and telephone number of reporter;
- Name and address of facility;
- Time and type of incident, e.g., discharge, fire;
- Name and quantity of material(s) involved, to the extent available;
- The extent of injuries, if any; and
- The possible hazards to human health or the environment, outside the facility.

As required by R315-8-4.7(j) and 40 CFR 264.56(j), Clean Harbors Clive will record in the operating record any incident that requires implementing this Contingency Plan. In addition, Clean Harbors Clive will submit a written report to the Executive Secretary within 15 days after an incident that required implementation of the Contingency Plan. The report will include:

- Name, address, and telephone number of the owner or operator;
- Name, address, and telephone number of the facility;
- Date, time, and type of incident;
- Name and quantity of material(s) involved;
- The extent of injuries, if any;
- An assessment of actual or potential hazard to health or the environment, and
- Estimated quantity and disposition of recovered material that resulted from the incident.

For spills which require reporting under R315-9, Clean Harbors Clive shall immediately notify the Utah State Department of Environmental Quality. The report will include:

- Name, telephone number, and address of person responsible for the spill;
- Name, title, and telephone number of individual reporting;
- Time and date of spill;
- Location of spill;
- Description contained on the manifest and the amount of material spilled;
- Cause of spill; and
- Emergency action taken to minimize the threat to human health and the environment.

As required by R315-9-4, Clean Harbors Clive will submit a written report to the Executive Secretary within 15 days for spills which require reporting under R315-9. This report will include:

- The person's name, address, and telephone number;
- Date, time, location, and nature of incident;
- Name and quantity of material(s) involved;
- The extent of injuries, if any;
- An assessment of actual or potential hazards to human health or the environment, where this is applicable; and
- The estimated quantity and disposition of recovered material that resulted from the incident.

Contained spills or discharges that do not threaten human health need not be reported. However, they will be recorded in the operating record.

As required by 40 CFR 302.6, spills on site involving reportable quantities (RQ) will be reported to the National Response Center. They will also be reported to the Utah Division of Solid and Hazardous Waste, Tooele County Office of Engineering and Department of Emergency Management, and the U.S. EPA, Region VIII.

If plant operations were suspended due to Contingency Plan implementation, operations will resume after plant management has determined that all safety-related questions have been satisfactorily addressed. EPA/State officials will be notified that the facility is in compliance with the permit and 40 CFR 264.56(h) prior to resuming operations.

Reports to the Executive Secretary will be sent to:

Executive Secretary
 Utah Solid and Hazardous Waste Control Board
 Utah Department of Environmental Quality
 Division of Solid and Hazardous Waste
 P.O. Box 144880
 Salt Lake City, Utah 84114-4880

Reports to EPA Region VIII will be submitted to:

Regional Administrator

U.S. EPA - Region VIII
1595 Wynkoop Street
Denver, Colorado 80202

Reports to Tooele County will be submitted to:

Tooele County
Department of Emergency Management and
Department of Engineering
47 South Main
Tooele, Utah 84074

Immediate reporting of certain events to the Utah Department of Environmental Quality, as outlined in this section, shall be made to the following:

Utah Division of Solid and Hazardous Waste
(801) 538-6170 (during office hours); or

Utah Department of Environmental Quality
(801) 536-4123 (24-hour answering service)

Table 1

EMERGENCY CALL SHEET

Aragonite/Clive Emergency Coordinators

Patrick Brady	*Paul Davies	*Willard Hammond
Francis N. Herrera	*Angel Merino	*Clark Perry
Steve Scow	Mark Shoemaker	*James Saddler
*Guy Thomas	*Clayton Warr	*Tom Blas
*Jeff De La Paz	*Chris Bjerke	

* Other personnel qualified to be Emergency Coordinator.

Table 2

Emergency Equipment Locations - List of Drawings

Drawing No.	Description	Revision No. & Date
43-99-3-001	Emergency Equipment Locations - Units 031, 038 & 076 - Raw Water/Fire Water Storage Tank, Fire Water Pump Building & MCC;	Rev 1, 10/2/95
43-99-3-007A	Emergency Equipment Locations - Unit 061 Maintenance Building, Grade Level;	Rev 2, 10/2/95
43-99-3-013	Emergency Equipment Locations - Unit 105 Thaw Unit;	Rev 4, 4/1/97
43-99-3-018	Emergency Equipment Locations - Units 255 & 055 Rail to Trailer Transfer Station & Rail Scales;	Rev 3, 10/2/95
43-99-3-023	Emergency Equipment Locations - Unit 535 WFTF - Rail Tanker Unloading Area;	Rev 4, 4/1/97
43-99-3-029	Emergency Equipment Locations - Units 604 & 080 Truck Wash Building & MCC;	Rev 4, 4/1/97
43-99-3-032	Emergency Equipment Locations - Unit 106 Containerized Bulk Solids Storage;	Rev 3, 4/1/97

Insert Drawing 43-99-3-001

Insert Drawing 43-99-3-007A

Insert Drawing 43-99-3-013

Insert Drawing 43-99-3-018

Insert Drawing 43-99-3-023

Insert Drawing 43-99-3-029

Insert Drawing 43-99-3-032