

ATTACHMENT 6
CONTINGENCY PLAN

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1.0 Facility Information

Facility Name: Clean Harbors Aragonite, LLC
Aragonite, Tooele County, Utah Facility
Facility Operator: Clean Harbors Aragonite, LLC
Site Plan: See site plan, drawing D-034-M-001, and plot plan, drawing
D-034-M-002, in Attachment 10
Location: 11600 North Aptus Road, 2 miles south of I-80, Exit 56

The facility is designed as a transfer, storage, and treatment facility of RCRA and TSCA wastes and of non-hazardous wastes. Waste is stored in either tank farms, container storage buildings, or other permitted storage areas. The treatment process (high temperature incineration) consists of a kiln, afterburner chamber, and gas cleaning train. The facility occupies approximately 35 acres of the 1060 acres under Clean Harbors Aragonite (Aragonite) ownership.

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. This list will be updated, as necessary. All Emergency Coordinators have the authority to call on outside assistance or call upon Aragonite resources to respond to the emergency and to commit requisite resources to implement this plan.

The on-site Shift Supervisor, also identified as the Incinerator Supervisor, is normally the Emergency Coordinator. When no Shift Supervisor is on site, another qualified individual (identified with an asterisk (*) on 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 all times. The 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 threatens human health or 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, or fires (except authorized fires) in areas where waste management occurs (i.e., areas south of main street, truck staging areas, the lab, etc.).

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 "release" 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.

Emergency Signal: An audible alarm initiated by the Emergency Coordinator, alerting all personnel on site that an emergency or a major emergency exists. The fire alarm is a siren (undulating), whereas the plant evacuation signal is a yeow (warbling high-low) blast.

Shutdown of Operations: Curtailing of incinerator operations, with the exception of the air pollution control system, by stopping all waste feed to the incinerator. 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.

North Assembly Point: The parking area to the north of the administrative building. Refer to Drawing D-034-M-005 in Attachment 10.

South Assembly Point: The area south of the plant. Refer to Drawing D-034-M-005 in Attachment 10.

West Assembly Point: The area west of the plant. Refer to Drawing D-034-M-005 in Attachment 10.

Authorized Fire: An approved (authorized) fire/open flame within any portion of the facility, such as fire set for fire response training, designated smoking areas, or in the incinerator.

5.0 Implementation of Contingency Plan

The Contingency Plan will be implemented 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 Aragonite 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 initiate the appropriate alarm(s) and notify personnel on site of the situation through the plant PA system and radios.

Incineration operation shall be shut down if, in the opinion of the Emergency Coordinator, the threat to human health or the environment warrants this action. The Emergency Coordinator can determine if the non-hazardous waste fuel to the kiln and afterburner should also be cut off.

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 or in-process is tracked in the waste tracking database. All wastes, either stored or in process, on-site are tracked by facility personnel.

5.2 Evacuation Plan

In the event that an evacuation is necessary, an evacuation signal will be sounded. The evacuation routes should be upwind or crosswind of the emergency and culminate at the designated assembly point(s). The CBO, who can be reached by dialing 333, will announce the appropriate assembly point(s) over the plant PA system and radios. 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 Aragonite contact for accountability.

5.3 Control Procedures

5.3.1 Spills or Discharges

5.3.1.1 Liquids and Solids

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, such as where the containment area has been damaged, or the spill occurred when the waste was 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, containment bays, and fire doors. 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, applying a temporary seal to the leak, or closing master valves or pet cocks on any tanks that might be leaking. 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.

5.3.1.2 Gases

Compressed gas cylinders determined to be leaking upon arrival or during storage will be transferred to the glove box at the cylinder feed station and the cylinder contents vented to the incinerator. If the incinerator is down at the time the cylinder is leaking, the cylinder will be transferred to a remote area of the facility and allowed to leak until empty.

5.3.2 Explosions

In the event of an explosion, the Emergency Coordinator will immediately shut down all equipment that may be affected and initiate waste feed cut-offs as necessary. If an 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 and on the perimeter of the process equipment. In the event a fire cannot be extinguished using the stationary equipment, fire hoses may be hooked to the hydrants or the fire truck and activated. The water falling on the hazardous waste storage area would 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.

At least twice a year, plant personnel will have a practice drill on an emergency situation.

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 Liquid and Solid 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 or replaced, when necessary, for any future occurrence. The emergency equipment will be checked as necessary for completeness and operability.

9.0 Emergency Equipment

Section 2 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. Drawing D-034-M-005 in Attachment 10 shows the location of the plant emergency equipment.

10.0 Coordination Agreements

Aragonite 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.

Aragonite has also negotiated agreements with other local agencies to provide assistance in the event that additional equipment and manpower are required at the plant. 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 County Emergency Management
435-833-8100

* 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
801-539-4001

Mountain West Medical Center
435-843-3600
University of Utah Hospital
801-581-2121

Airmed
University of Utah
801-581-2500

Spill contractors that may be contacted, as necessary:

Veolia
801-294-2992

Clean Harbors Field Services
435-843-4840

Other emergency assistance and advice can be solicited from:

Clean Harbors Transportation Related Emergencies
800-645-8265

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

ChemTrec (Chemical Transportation Emergency Center)
800-262-8200

Chlorep, which is part of ChemTrec (Chlorine Incidents)
800-424-9300

National Pesticide Information Center
800-858-7378

This plan will be reviewed annually, updated as necessary, and forwarded to Tooele County Emergency Management and the Tooele County Health Department.

11.0 Required Reports

As required by Utah Admin. Code R315-264-56(d) and 40 CFR §264.56(d), for major emergencies, Aragonite shall immediately notify the Utah 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 Utah Admin. Code R315-264-56(i) and 40 CFR §264.56(i), Aragonite will record in the operating record any incident that requires implementing this Contingency Plan. In addition, Aragonite will submit a written report to the Director of the Division of Waste Management and Radiation Control (Director) 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 Utah Admin. Code R315-263-30 through 33, Aragonite shall immediately notify the Utah Department of Environmental Quality (UDEQ). 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 Utah Admin. Code R315-263-33, Aragonite will submit a written report to the Director within 15 days for spills which require reporting under Utah Admin. Code R315-263-30 through 33. 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 Division of Waste

Management and Radiation Control, Tooele County Office of Engineering and Department of Emergency Management, and the U.S. EPA, Region VIII.

As required by Module 1, in the event of a release to the environment from a hazardous waste tank system, Aragonite will orally notify the Director within 24 hours and submit a written report within 30 days. The report will include:

- Likely route of migration of the release;
- Characteristics of the surrounding soil (soil composition, geology, hydrogeology, climate);
- Results of any monitoring or sampling conducted in connection with the release if available, or as soon as available;
- Proximity to downgradient drinking water, surface water, and populated areas; and
- Description of response actions taken or planned.

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.

Reports to the Director will be sent to:

Director
Division of Waste Management and Radiation Control
P.O. Box 144880
Salt Lake City, Utah 84114-4880

or

dwmrcsubmit@utah.gov

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 Emergency Management
15 East 100 South
Tooele, Utah 84074

Tooele County Health Department
151 North Main Street
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 Waste Management and Radiation Control
(801) 536-0200 (during office hours); or

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

Table 1

EMERGENCY COORDINATORS

Patrick Brady	*Bryce Hammond	*Willard Hammond
David Mota	*Jesse Davis	*Gary Johansen
Jose Silva	*Mark Shoemaker	Ben Forrester
*Guy Thomas	*Jake Vineyard	Jim Saddler
*David Yadon	*Cammeron Whitehouse	*Jesus Mota
*Mike Shugart		

* Other personnel qualified to be Emergency Coordinator.