

***APPENDIX D***

**EMERGENCY MANAGEMENT AND CONTINGENCY PLAN**

# **EMERGENCY MANAGEMENT and CONTINGENCY PLAN**

for



ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY

**January 2017**

Organics Management  
Composting Facility  
(CASP)

Gas Plant #2 (A16  
Flare, IC Engines),  
IG Plant, LCNG  
Fueling Station, &  
Tire Shredding  
Facility

Scale  
House

Maintenance  
Facility (Base 1)

Admin .  
Buildings  
(Base 2)

Altamont  
Pass Road



Emergency Exit  
to Dyer Road

Friable Asbestos  
Disposal Area

Active Fill Areas

Waste Water  
Facility

Gas Plant #1

Site  
Entrance

**Quick Reference Section → GO TO SECTION 5**



# ***EMERGENCY MANAGEMENT and CONTINGENCY PLAN***

**For**

**ALTAMONT LANDFILL & RESOURCE RECOVERY  
FACILITY**

**10840 ALTAMONT PASS ROAD  
LIVERMORE, CALIFORNIA 94551  
(925) 455-7300**

**January 2017**

## **PLAN DISTRIBUTION**

| EMCP COPY # | LOCATION                                                  |
|-------------|-----------------------------------------------------------|
| 1           | Operations/Supervisors Office                             |
| 2           | Maintenance Facility (Base 1)                             |
| 3           | Gas Plant #1 – (LFG Turbine Building office)              |
| 4           | IC Engine Plant Trailer (operated under contract by AEGL) |
| 5           | LNG Plant Office (operated under contract by Linde)       |
| 6           | District Manager (Base 2)                                 |
| 7           | Environmental Protection Manager (Base 2)                 |
| 8           | Tire Shredding Operation (operated by Shamrock Recycling) |
| 9           | Alameda County Fire Department                            |
| 10          | Alameda County Environmental Health Department - CUPA     |

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**ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY**

**EMERGENCY MANAGEMENT AND CONTINGENCY PLAN**

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(includes Spill Prevention and Control Plans)

## **SECTION 1.0      PLAN USE AND MANAGEMENT**

### **1.1      PURPOSE & CONTEXT**

The purpose of this Emergency Management and Contingency Plan (EMCP), which has been prepared for the Altamont Landfill and Resource Recovery Facility (ALRRF), is to serve as a guidance tool for training and preparation of ALRRF personnel in the event of an emergency. The overall objective of the EMCP is to maintain safe conditions for the emergency first responders (Medical, Fire, or Police), site personnel, persons visiting the site, the local community, and the environment in the event of an emergency.

This EMCP details how the site and its various operations, facilities and personnel will:

- Identify potential site emergencies (Spills, Releases, Gas Leaks, Earthquakes, Fires, Flooding, Medical Emergencies, etc.) and contact appropriate emergency first responders (medical, Fire, or Police) and site management.
- Evacuate the site, or specific areas of the site, if needed.

### **1.2      PLAN GUIDING REQUIREMENTS**

This EMCP has been prepared specifically for ALRRF operations and in accordance with applicable regulations and permits. These include, but are not limited to, the following:

- CA Health and Safety Code Chapter 6.95 (requires that the HMBP include an EMCP);
- CA Code of Regulations (CCR) Title 19 (addresses content of EMCP);
- CA Health and Safety Code Chapter 6.5 (requires hazardous waste generators have contingency plan for potential hazardous waste spills);
- CA CCR Title 22, Articles 3 and 4 (contingency plan requirements); and
- related conditions of ALRRF's Conditional Use Permit.

This plan also includes, as an attachment, the Hazardous Materials Business Plan (HMBP) which includes spill prevention, control and countermeasures

Specific notice is given to the LNG Plant and the LCNG Fueling Station. These facilities are registered facilities with the United States Environmental Protection Agency's (USEPA) Risk Management Program and the California Accidental Release Prevention Program (CalARP). The LNG Plant and LCNG Fueling Station at the ALRRF are designated as a "Non-Responding" facility. This means that the first responders to a hazard or emergency condition at the LNG Plant and LCNG Fueling Station are the Emergency Responders (Fire Department). As such, ALRRF personnel's participation in an emergency at these facilities shall be limited to providing support to, as directed by, the emergency first responders.

Regulatory programs for the LNG Plant and LCNG Fueling Station include:

- USEPA's Risk Management Plan (RMP) (40 CFR §68.65)
- Cal-OSHA's Process Safety Management (PSM) (CCR Title 8 §5189(d))
- California Emergency Management Agency's (Cal-EMA) California Accidental Release Prevention Program (CalARP) (CCR Title 19, Div. 2, Ch. 4.5, § 2760.1).

### 1.3 PLAN FLEXIBILITY

It is important to note that even with adequate planning, it may be necessary to modify plans and to remain flexible to determine appropriate actions when an emergency occurs. The variety of potential emergencies makes overly specific planning unrealistic. However, general planning and resource identification, as identified in this Plan, offer immediate direction and will often make the difference between a relatively easy recovery from that of an incapacitating disaster with long-term and widespread after-effects.

### 1.4 PLAN LAYOUT

This plan describes basic site information, site Emergency Team (ET) members and emergency-specific actions (e.g., for fires, spills, earthquakes, etc.). Attachments include key phone numbers, site maps and tables indicating the site layout and key emergency support equipment locations.

- Refer to the Table of Contents FIRST to quickly identify where the information you need can be located in this Plan.
- Page 3 of the Table of Contents lists all attachments, which include key contact numbers, maps, etc.

### 1.5 PLAN DISTRIBUTION, UPDATES AND TRAINING

#### Plan Distribution

The Site-Wide Emergency Coordinator is responsible for distribution of this EMCP to designated personnel and locations as detailed below:

Copies of this Plan will be kept in key site locations, such as:

- The Operations/Supervisors Office;
- The Maintenance Facility (Base 1);
- The Administration Building (Base 2);
- The Gas Plant #1 (LFG Turbine Building office);
- The Waste Water Facility Office;
- The IC Engines Plant trailer office (operated under contract by American Environmental Group LTD (AEGL));
- The LNG Plant office (operated under contract by Linde); and
- Tire Shredding Plant office (operated by Shamrock Recycling)

The following staff persons are to have their own copy of this Plan OR are to have a copy located within rapid access to them:

- The District Manager;
- The Site-Wide Emergency Coordinator; and
- The Environmental Protection Manager

Copies of the EMCP, and all revisions, will also be submitted to local authorities that may be called upon to provide emergency services at the ALRRF, such as the local Fire Station and the Alameda County Department of Environmental Health (the local CUPA).

#### **Plan Updates**

The EMCP shall be reviewed for accuracy on an as-needed basis by the District Manager, Environmental Protection Manager, or the Site-Wide Emergency Coordinator. Major changes at ALRRF, such as remodeling, new construction, property or equipment acquisition, management reorganization, or other major changes warrant review and update of the EMCP. The EMCP will also be amended whenever:

- applicable regulations are revised;
- the EMCP fails in an emergency;
- the list of emergency equipment changes; and/or
- staff and/or telephone numbers change.

#### **EMCP Plan Training**

Training on the EMCP will be conducted annually for all employees, supervisors and managers. New employees will be trained at the start of their employment and annually thereafter. All employees must be informed of what to do in the event of an emergency at ALRRF. In addition, all personnel who have been assigned emergency support functions, as well as their alternates, will be trained on their responsibilities and functions.

New employees will receive EMCP training as part of their orientation training. Onsite contractors receive a review of the site EMCP and evacuation procedures before beginning work at the site.

All operations employees will be trained annually on fire extinguisher use. First aid and CPR training will be offered as needed to ensure that there is at least one person per shift certified to provide emergency aid. Training will include issues required in ALRRF permits (such as Conditional Use Permit (CUP C-5512) Conditions # 55 (Emergency Management procedures for Fill Area 2) and #77 (training of personnel in buildings of landfill gas (LFG) monitoring system and response).

## **SECTION 2.0      BASIC SITE INFORMATION**

### **2.1      SITE NAME, LOCATION, OWNER/OPERATOR & NUMBERS**

ALTAMONT LANDFILL & RESOURCE RECOVERY FACILITY (ALRRF)  
10840 Altamont Pass Road; Livermore, California 94551

**Property Owner:** Waste Management of Alameda County, Inc. (WMAC)

**Landfill Operator:** WMAC, Altamont Landfill and Resource Recovery Facility

**Site Operating Hours:** Accepts commercial wastes 24 hours per day, 7 days per week, if necessary. Typical commercial hours of operation are Sundays at 7pm through Friday at 7pm and most Saturdays from 5am to 1pm. Public Hours are more limited than these listed above.

**Site General Phone Number/Receptionist:** (925) 455-7300

**Site Emergency Contact Numbers:** Refer to Tables 1 and 2

**Approximate Number of employees/contractors onsite:** 60-80

### **2.2      SITE SIZE**

The ALRRF site is an approximate 2,098-acre property owned by WMAC. The active Fill Area 1 landfill and related operations are conducted on approximately 300 acres. Fill Area 2 will open in the second quarter of 2018, and is approximately 300 acres. The site is operated as a Class II (industrial/special waste) and Class III (municipal solid waste) landfill.

### **2.3      MATERIALS ACCEPTED**

Waste materials are delivered to ALRRF primarily by transfer vehicles from the Davis Street Transfer Station located in San Leandro and other miscellaneous haulers. A small fraction of the waste is delivered directly by collection vehicles. Although ALRRF is open to the public, a very small fraction of the waste is delivered by public drop-off.

### **2.4      SUPPORT FACILITIES**

On site facilities include:

- Maintenance Facility (Base 1);
- Gas Flare Stations and Condensate Tanks;
- Gas Plant #1 (LFG Turbines and A-15 Flare);
- Landfill Gas (LFG) Collection and Control System Network;
- Internal Combustion Engine (IC Engine) Plant\*;
- Liquid Natural Gas (LNG) Plant\*\*;
- Liquid/Compressed Natural Gas (LCNG) Fueling Station;
- Tire Shredding Operation;\*\*\*
- Waste Water Facility;
- Administration Buildings Area (Base 2);
- Scale House
- Green Waste Shredding Operation; \*\*\*\*

- \* The IC Engine Plant is operated under contract to WM by AEGL
  - \*\* The LNG Plant is operated under contract to WM by Linde
  - \*\*\* The tire shredding operation is owned and operated by Shamrock Recycling
  - \*\*\*\* The green waste shredding operation is owned and operated by Bio Fuel Systems, Inc
- These contractors are to be familiar with this EMCP, as well as with any more facility-specific emergency manuals they may have for their own facility operations.

## 2.5 SITE LOCATION, LAYOUT, AND BOUNDARIES

The ALRRF is located in the Altamont Hills; about 40 miles east of San Francisco Bay and about 5 miles northeast of the City of Livermore, at 10840 Altamont Pass Road (see Figure 1). The ALRRF is located within the t-shape boundary shown in Figure 1. The land surrounding the ALRRF is primarily used for agricultural purposes (dry-land farming and grazing). Approximately 990 acres of the property are reserved for an environmental conservation easement area. Portions of the ALRRF property are leased by Florida Power & Light for installation and operations of power producing windmills. The general site layout and specific features of individual site facilities are shown on Plates 1 through 6.

## 2.6 SITE ACCESS AND DIRECTIONS

The ALRRF can be accessed by exiting Interstate 580 at Greenville Road and turning on to Altamont Pass Road, which is a two-lane county roadway with an asphalt-concrete surface. Most traffic accesses ALRRF from the western portion of Altamont Pass Road. Traffic entering the ALRRF property from the west utilizes a left-hand turn lane and crosses one lane of on-coming traffic. Traffic on Altamont Pass Road is normally light except during "rush hour" periods or closure/partial closure of Interstate 580 in the vicinity of the site.

Specific driving directions are as follows:

FROM OAKLAND: The site is located about 33 miles East of the Oakland Airport.

- Take I-880 to I-580 East toward Livermore/Tracy
- Exit at the Greenville Road exit
- Turn Left at the light (South Front Road) and continue until it ends at Greenville Rd.
- Turn Left at Greenville until it ends at Altamont Pass Rd.
- Turn Right on Altamont Pass Rd.
- Continue on Altamont Pass Rd. about 3.5 miles
- Upon passing under a train trestle bridge, get into the left hand turn lane
- Turn Left into the Altamont Landfill
- Turn Left after the Guard House into the Administration Building parking lot



#### FROM TRACY:

- Go West on I-205 to I-580 West
- Exit I-580 onto Byron/Grant Line Road – turn Right (North)
- (Note: Take the second Grant Line Rd. Exit past Tracy)
- Go about ½ mile, then turn Left (West) on Altamont Pass Rd.
- Go about 4 miles to the Altamont Landfill entrance – on the right side

## **2.7 INTERNAL SITE TRAFFIC FLOW**

All traffic enters ALRRF at the same location, through the Main Gate off of Altamont Pass Road. This access area is controlled by locking gates, a Guard House, and video surveillance. The entrance road is a two-lane asphalt-concrete paved surface, one lane for traffic entering the site and one lane for traffic exiting. Refer to Plate 1A for a general site layout (which indicates the locations of site facilities and permanent roads).

Just past the Guard House, a right turn leads up to the Gas Plant #1 (LFG Turbines and A-15 Flare ) and Waste Water Facility and a left turn leads to the Administration Buildings Area (Base 2).

If the main entrance road is followed, it winds up about ¼ mile ahead until there is a right turn to the Maintenance Facility (Base 1). If this turn is not taken, the road continues ahead to the Scale House, beyond which is the operational area of the landfill. A fork in the road beyond the Scale House divides Fill Area 1 and Fill Area 2. Keeping left at the fork leads to Fill Area 2, keeping right leads to Fill Area 1. The distance of the Scale House from the site entrance would allow for more than fifty transfer trucks to stack up before causing possible traffic nuisance on Altamont Pass Road. Beyond the Scale House the road becomes an unpaved dirt or dirt/gravel road. Haul roads are designated throughout the landfill area to guide traffic to active waste and disposal area(s). The haul roads are relocated as needed as the active waste disposal area is filled and moved. • Perimeter benches, about 12-15 feet wide, are built into the landfill side slopes as the fill reaches final grades. Perimeter benches are used mainly for ALRRF personnel inspection (i.e., surface water control, gas collection, cover integrity, etc.), monitoring, drainage, and maintenance.

## **2.8 CRITICAL AREAS/POTENTIAL LOSSES**

An inventory of the operations indicate that the primary critical areas include the landfill, the landfill gas flare systems and condensate separation facilities, the landfill gas recovery and production facilities (i.e., Gas Plant #1 (LFG Turbines and A-15 Flare), Gas Plant #2 (IC Engine Plant and A-16 Flare), the LNG Plant, the LCNG Fueling Station, the Maintenance Facility (Base 1), Waste Water Facility, Composting Operations, and the Administration Offices (Base 2). Secondary critical areas include the lower lift station (landfill waste water pump station) and the S-12 and S-19 LFG condensate tanks.

The types of losses that would be most harmful in primary critical areas include:

**Landfill**

- total loss of facility through fire, explosion, earthquake or severe landslide
- loss of access to ALRRF or loss of the transfer truck tippers operation
- injury or death of personnel

**Flare Stations and Condensate Tanks**

- total loss of system through fire, explosion, or earthquake
- injury or death of personnel

**Gas Plants #1 and #2, IC Engines, LNG Plant, and Landfill Gas Recovery System**

- loss of building and/or equipment through fire, explosion, or earthquake
- total loss of system through fire, explosion, or earthquake
- injury or death of personnel

**Tire Shredding Operation**

- loss of building and equipment through fire or earthquake
- injury or death of personnel
- loss of emergency equipment and supplies

**Composting Operations (CASP)**

- Loss of equipment through fire or earthquake
- Injury or death of personnel
- Loss of emergency equipment and supplies

**Green Waste Shredding Operation**

- Loss of building and equipment through fire or earthquake
- Injury or death of personnel
- Loss of emergency equipment and supplies

**Maintenance Facility (Base 1)**

- loss of building and equipment through fire, explosion, or earthquake
- injury or death of personnel
- loss of emergency equipment and supplies

**Waste Water Facility**

- loss of building and equipment through fire, earthquake, or severe landslide
- injury or death of personnel

**Administration Office (Base 2)**

- loss of buildings through fire or earthquake
- temporary loss of administrative service
- loss of phones, electricity
- injury or death of personnel

## **2.9 EMERGENCY RESOURCES**

The following resources are available for support of emergency first responders and emergency management.

- Agencies, firms and facilities for essential specialized services and assistance will be utilized as required – such as those listed in Tables 1 and 2.
- Refer to Figure 2 for the Emergency Medical Care Directions and Map.
- Table 3 lists ALRRF site radio equipment.
- Table 4 lists emergency supplies and equipment on site.
- Site operations employees are trained in basic fire extinguisher use. Some employees receive First Aid/CPR training and training to operate water truck/water pull equipment – refer to Table 5.
- Records and data considered vital for re-establishing or continuing operation of the facility are kept at the ALRRF in the Administration Buildings and include copies of licenses and permits, limited payroll and personnel data, and copies of environmental records.
- If an alternate location is needed to locate ALRRF management and administrative personnel, the WMAC office located at 172 98<sup>th</sup> Avenue, Oakland, will be used. If sufficient space is not available at this office and/or ALRRF conditions are deemed safe, WMAC may rent several modular buildings and locate them at ALRRF.

## SECTION 3.0

### SITE EMERGENCY TEAM (ET) MEMBERS & RESPONSIBILITIES

The landfill has the following Emergency Team (ET) structure:

|                                                             |                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>An Investigating Supervisor</b>                          | First point of contact for employees is the Supervisor on duty – he or she then acts as the “Investigating Supervisor”.                                                                                                                                 |
| <b>Facility Emergency Coordinators<br/>(Facility E.C.s)</b> | One for each key location on the ALRRF site (Maintenance (Base 1), Admin. (Base 2), Landfill, Gas Plants, etc.)<br>Supports emergency first responders, Investigating Supervisor, and coordinates action at that particular location on the ALRRF site. |
| <b>Facility Roll Callers</b>                                | One for each key location on site (Maintenance (Base 1), Admin. (Base 2), Landfill, Gas Plants, etc.)<br>Does roll call to ensure all personnel are accounted for. Informs Investigating Supervisor and Facility Emergency Coordinators.                |
| <b>A Site-Wide Emergency Coordinator</b>                    | One person who helps ensure all parties on site are informed (managers, contractors, etc.), ensures outside agencies and WM Area, Group and Corporate offices are contacted as needed.                                                                  |
| <b>Additionally-Trained Employees</b>                       | Employees that have received additional training – such as in first aid or spill response and/or hazardous materials response in order to be able to address certain spills or hazardous materials emergencies on site.                                 |

- Refer to Table 7 (ALRRF Current Site Emergency Team Assignments) for a list of the current site personnel that have been assigned the above responsibilities.
- All other ALRRF site employees are responsible for following the guidance listed in Section 3.5 of this EMCP.

#### 3.1 INVESTIGATING SUPERVISOR

The Supervisor that is first contacted (or first identifies the emergency) *becomes the Investigating Supervisor*. Supervisors are the first ALRRF point of contact for employees who identify an emergency and have only site radio equipment available for communication. Employees with telephone equipment are instructed to call 911 (9-911 from site phones) for all medical emergencies; any hazard or emergency condition at the LNG Plant and LCNG Fueling Station; and any fires at the LFG handling equipment located at Gas Plants #1 and #2. The Site Wide Emergency Coordinator or a Facility Emergency Coordinator can fulfill the role of the Investigating Supervisor if either is the first manager/supervisor contacted regarding an emergency.

The specific responsibilities of the Investigating Supervisor are:

1. Assess the situation and gather facts quickly.
2. If needed, contact outside resources immediately:
  - Example: any hazard or emergency at the LNG Plant and LCNG Fueling Station; a fire at the LFG handling equipment at Gas Plants #1 and #2; a large fire on the landfill, or in a building, or in surrounding grassland areas requiring Fire Department assistance; or serious employee injury or medical need requiring an ambulance – Dial 9-911 from site phones (911 from cell phones).
3. If needed, take immediate action in the area of the emergency (**exceptions: only emergency first responders (Medical, Fire, or Police) are permitted to take action at the LNG Plant and LCNG Fueling Station.** ALRRF personnel shall only provide a support role under direction of the emergency first responders):
  - Action needed will depend on situation.
  - Examples: Remove people from area; implement evacuation plan, if appropriate; secure the area or spill; get water truck in the area
4. Communicate the status of situation to the Site Wide Emergency Coordinator and whether evacuation of the area and/or the site might be needed.
5. If evacuation is needed, work with Facility E.C.s and Roll Callers to evacuate personnel to the evacuation gathering locations -- help to confirm that no personnel remain on site.

### **3.2 FACILITY EMERGENCY COORDINATORS (Facility E.C.s)**

A Facility Emergency Coordinator is assigned for each key facility location on site – such as Maintenance (Base 1), landfill operations area, Administration (Base 2), Gas Plants, etc. The specific responsibilities of each Facility Emergency Coordinator are as follows:

1. Take on the responsibilities of the Investigating Supervisor if they are the first person contacted by an employee regarding the emergency or if they are first on the scene.
2. If the emergency is in their area, the Facility E.C. will work with the Investigating Supervisor to assess the situation, determine appropriate actions, and take actions needed (exceptions: only emergency first responders are permitted to take action at the LNG Plant and LCNG Fueling Station. ALRRF personnel shall only provide a support role under direction of the emergency first responders).
3. If evacuation is needed, work with the Facility Roll Caller to evacuate the site to the established evacuation locations -- help to confirm no personnel remain in or around the facility location.

### **3.3 SITE-WIDE EMERGENCY COORDINATOR (Site-Wide E.C.)**

The Site-Wide E.C. helps coordinate emergency action activities in accordance with this EMCP. For a hazard or emergency condition at the LNG Plant and LCNG Fueling Station, the Site-Wide E.C.'s activities shall be under direction of the emergency first responders. Specific responsibilities include:

1. Take on the responsibilities of the Investigating Supervisor if they are the first person contacted by an employee regarding the emergency or if they are the first on the scene.
2. Assess the situation and possible hazards that may result directly or indirectly, and order evacuations, medical care, shutdowns, and other actions as are deemed necessary (exceptions: only emergency first responders are permitted to take action at the LNG Plant and LCNG Fueling Station. ALRRF personnel shall only provide a support role under direction of the emergency first responders)
3. Ensure all parties on site are informed of an emergency situation (managers, supervisors, contractors, etc.)
4. Determine when to evacuate the site, when to sound the "all clear", and when to re-occupy.
5. Work with the Investigating Supervisor and/or Facility E.C.s to ensure that common or public areas (conference room, washrooms, etc.) are checked when the site is evacuated.
6. Direct other emergency type-specific activities as outlined in this EMCP;
7. Activate internal facility or other communications systems to notify all facility personnel;
8. Take all reasonable measures to ensure that fires, releases, explosions, and other emergencies do not occur, recur, or spread;
9. Ensure required incident reporting or notification occurs to outside agencies and internal WM Group and Corporate offices, as needed.
10. Regularly review the state of emergency readiness of the site and update the EMCP, Site Emergency Contact List and Site Emergency Resources list as needed.
11. Develop, execute and document, on an as-needed basis, tests and exercises of the various components of the EMCP.

### **3.4 FACILITY ROLL CALLERS**

A Roll Caller is assigned for each key facility location on site – such as Maintenance (Base 1), landfill operations area, Administration (Base 2), Gas Plants, etc. The specific responsibilities of each Facility Roll Caller is as follows:

1. Take roll call of personnel at that facility's evacuation gathering area – make a list of those present and those absent.
2. Identify any missing personnel and inform the Facility E.C. (or the Site Wide E.C. if the Facility E.C. is not present)
3. Await instructions and remain at the evacuation location until directed.

4. If an evacuation is called for, work with the Facility E.C. to evacuate the site from the established evacuation locations -- confirm no personnel remain in or around the facility location.
5. Ensure that under no circumstances employees return to a building or work area until the "all clear" has been given by both the emergency first responders, if present, and the Site Wide or Facility Emergency Coordinator.
6. The Administration Area Roll Caller (or their alternate or a designee) should put on a vest and control regular and emergency traffic into the site during an emergency.

### 3.5 EMERGENCY RESPONSIBILITIES OF NON-ET EMPLOYEES

During an emergency, the role of employees that are not part of the Emergency Team (ET) is as follows:

1. Site employees are responsible for reporting any emergency situation immediately to a supervisor or manager. ***Employees with telephone equipment are instructed to call 911 (9-911 from site phones) for ALL medical emergencies; ANY hazard or emergency condition at the LNG Plant and LCNG Fueling Station; and ANY fires at the LFG handling equipment located at Gas Plants #1 and #2.***
2. Employees are to follow the emergency-type specific directions given to them by emergency first responders or site supervisors as detailed in this EMCP and reviewed with them in their annual training.
3. If an evacuation is called for, employees are to report to the nearest Evacuation Location - if that location is not safe due to the emergency, then they are to go to another safer Evacuation Location. (See Plate 1A)
4. Employees are to remain at the Evacuation Location until directed that it is ok to return to work by the Roll Caller, Facility E.C. or Site-Wide E.C.
5. Employees are never to place themselves or others in danger by responding to an emergency.
6. Some employees may have received additional emergency response training (such as spill response training) and may be called upon to assist in responding to an emergency as appropriate.

## **SECTION 4.0**

## **EMERGENCY ACTION STEPS**

The site emergency action steps are as follows:

1. Initial Emergency Notification and Communication
2. Situation Assessment
3. Containment and Control
4. Emergency Shutdown
5. Security Measures
6. Public Affairs/Media Management
7. Internal Documentation and Reporting
8. External Documentation and Reporting
9. Relocation and Alternative Disposal Facilities
10. Facility Recovery
11. Decontamination, Waste Management, and Equipment/Supply Maintenance

### **4.1 INITIAL EMERGENCY NOTIFICATION & COMMUNICATION**

In the event of an emergency situation:

- **Employees** with telephone equipment are instructed to first call **911 (9-911 from site phones)** for **ALL medical emergencies; any hazard or emergency condition at the LNG Plant and LCNG Fueling Station; and any fires at the LFG handling equipment located at Gas Plants #1 and #2 prior to contacting their supervisor or an E.C..**
- **EMPLOYEES** with radio equipment only are to report **ALL** emergency situations immediately to their **Supervisor, their Facility E.C. or the Site-Wide E.C..** The **Supervisor or E.C.** shall call **911 (9-911 from site phones)** for all medical emergencies; any hazard or emergency condition at the LNG Plant and LCNG Fueling Station; and any fires at the LFG handling equipment located at Gas Plants #1 and #2.
- **SUPERVISORS** are to report **ALL** emergency situations immediately to the applicable **Facility E.C./Base Stations and the Site-Wide E.C.**
- **FACILITY E.C.s** are to report **ALL** emergency situations immediately to the **Site-Wide E.C. and to on-site Supervisors.**

Communication between ALRRF personnel will be done through the site 2-way radios and site Nextel walkie-talkies (as needed). All employees, supervisors, managers, contractors and visitors will be contacted through use of this equipment, and -- as needed -- through personal contact or the phone numbers listed on the Site Emergency Contact list (See Table 1). Site supervisors, managers, employees at key locations, landfill equipment, and key site buildings are equipped with Site Radios (two-way radios) that are tuned to the same frequency.



Site Radio Base Stations are located as follows:

- |                         |                                            |
|-------------------------|--------------------------------------------|
| • Maintenance Building  | Base 1                                     |
| • Administration Office | Base 2                                     |
| • Guardhouse            | Base 3 (staffed as necessary)              |
| • Scalehouse            | Scalehouse                                 |
| • Gas Plant #1          | Gas Plant #1 (LFG Turbine Building Office) |

See Table 3 for a list of Site Radio equipment.

=====

**IT IS IMPERATIVE THAT SITE RADIO COMMUNICATION CHANNELS BE KEPT OPEN.**

**ALL INSTRUCTIONS WILL COME PRIMARILY FROM FACILITY E.C.S ON SITE RADIOS  
AND/OR BASE STATIONS.**

=====

**Special Alarm Systems** - see Table 6 for a list of special site alarms at ALRRF.

- **If an alarm sounds**, personnel should evacuate the area and immediately contact a Supervisor, the Facility E.C., or Site Wide E.C.  
The Facility E.C. or Site-Wide E.C. will then evaluate the magnitude of *the emergency situation* and take appropriate action.

#### **4.2 SITUATION ASSESSMENT**

Following emergency 911 notification where necessary (as cited above), the Investigating Supervisor, with assistance from the Site-Wide E.C. or Facility E.C., shall immediately upon notification, assess the emergency situation as to its:

1. Actual existence;
2. Character;
3. Source;
4. Severity;
5. Extent;
6. Most immediate impact;
7. Extent of injuries and damage;
8. Possible hazards to human health or the environment; and required internal or external actions.

Following the assessment, the Site-Wide or Facility E.C. will i) meet with the emergency first responders to coordinate any ALRRF support resources needs (for those emergencies cited above), ii) notify trained personnel that possess capabilities and resources appropriate for support of the situation, and iii) enlist outside contractors, as appropriate, if the level of the emergency exceeds the emergency first responders and/or site employees' capabilities and resources.

If it is determined that there is an IMMEDIATE or ACTUAL EMERGENCY SITUATION which could threaten human health or the environment, the Site Wide or Facility E.C. shall immediately: Communicate the emergency situation to nearby personnel; Notify appropriate state and local

agencies with designated response roles; and Contact contractors for essential services as appropriate to the emergency.

- Refer to Tables 1 and 2 for emergency contact numbers.

#### **4.3 CONTAINMENT AND CONTROL**

All practical efforts will be taken to safely contain an emergency to a particular location by:

1. stopping processes and operations;
2. evacuating and restricting access to affected areas;
3. removing volatile and threatened items (vehicles, fuels, chemicals, etc.); and
4. collecting and containing released wastes.

Specific procedures required for spills, releases, and fires and presented in individual sections of this Plan. Table 4 lists the location of all emergency response equipment at ALRRF.

#### **4.4 EMERGENCY SHUTDOWN**

During an emergency, consideration should be given to shutdown of the following:

- landfill access and operations;
- landfill gas (LFG) flare systems;
- leachate and LFG condensate systems;
- Gas Plants #1 and #2, LNG Plant, and LCNG fueling station;
- Electrical generators;
- computers; and
- pumps, power, and landfill gas extraction.

The timing and assignment of shutdown responsibilities will be dependent upon the emergency.

When emergency first responders are present, shutdowns shall be coordinated with and completed under the direction of the emergency first responders.

#### **4.5 SECURITY MEASURES**

Consideration will be given to:

- Protecting personnel from further threats or risk;
- Restricting access to key assets and vital records;
- Controlling access to the ALRRF and its buildings during all hours; and
- Adding countermeasures (guards, temporary fencing and/or lighting, cameras, etc.) to mitigate damage and compensate for changing risks.

#### 4.6 PUBLIC AFFAIRS/MEDIA MANAGEMENT

An emergency means that the news media may be at the ALRRF quickly.

*It is imperative that only one person serve as the Spokesperson and that all information be directed through that individual.* This individual will be the voice of ALRRF and the company, speaking to broadcast and print reporters, providing answers, or promising to do so as quickly as the facts are known. In addition, this Spokesperson will take steps to accommodate the media's needs, whenever practicable. As with any other visitors to ALRRF, media will be given escort while at ALRRF, for safety and security reasons.

- ANY MEDIA REQUESTS SHOULD BE DIRECTED FIRST TO THE DISTRICT MANAGER OR THE SITE-WIDE E.C.
- THE DISTRICT MANAGER OR SITE-WIDE E.C. SHOULD CONTACT THE MARKET AREA OFFICE AT 98<sup>TH</sup> AVENUE (AND GROUP E.H & S STAFF IF APPLICABLE) FOR GUIDANCE AND ASSISTANCE BY MEDIA SPECIALISTS.
- THE APPROPRIATE SPOKESPERSON WILL THEN BE DETERMINED AND THIS SPOKESPERSON WILL BE THE MEDIA CONTACT POINT.
- The designated Spokesperson will then coordinate media relations at ALRRF, cooperating wherever possible.

The District Manager, with the Spokesperson (if he/she is not the spokesperson), will assist as follows:

1. Prepare media releases including information on the type of emergency mitigation operations being undertaken by any consultants that may have been called in to assist the Site-Wide E.C.;
2. Receive all press telephone inquiries and other contacts not directly dealing with the emergency;
3. Provide working area, facilities, and telephones to members of the media; and
4. Provide, as necessary, media briefings on scene and make arrangements for media tours of the affected area.

When an emergency occurs, information that must be known quickly includes:

- What happened and its cause, if it can be determined.
- Names, titles, length of service and home addresses for any injured employees or fatalities. **DO NOT** release or confirm specifics until relatives have been notified and you are certain that they have been notified.
- Extent of damage, if any. **DO NOT** speculate as to the extent. That figure will be determined through subsequent investigation.
- Expectation as to impact on the location. If shut down, for how long will operations be disrupted? What about impact on customers, employees and others?
- How will WMAC alleviate the disruption?
- Will employees be out of work?

Obtaining answers to these questions is important, since the data it generates will form the basis for subsequent statements to be issued.

Media specialists will work with the site spokesperson to draft a statement and to coach him/her on aspects of the interview process.

If appropriate, these specialists may either handle media inquiries via telephone or come to ALRRF.

If the emergency is considered to be newsworthy, follow-up media attention should be expected. After the first round of interviews and stories, expect to see or hear from reporters again, as they will do another round of stories. The media will want to determine if subsequent developments match initial statements, how any injured are faring, and what the actual impact is on the ability to operate. In addition, questions will be raised concerning investigations by Company and Public Officials as to the cause of the emergency.

While an emergency is traumatic, it is not the time to avoid the media, or to offer "no comment."

Even worse, it is no time to become annoyed, to order reporters off the property, or to deny them information they can obtain elsewhere.

If the company spokesperson is silent, other sources, valid or not, will be tapped by the news media to get the story on the air or in print. Speculation, rumor, "ax grinding", and general hearsay will replace the Company's comments in such circumstances and should be avoided by responsibly coordinating with the news media.

The opportunity to help shape resulting coverage should not be lost. With their helicopters, telephoto lenses, multiple news teams, access to unauthorized sources and considerable prior experience in emergency reporting, the news will surface and stories will occur.

In an emergency, the news media will first look to ALRRF. With appropriate response, the opportunity to influence any resulting publicity will be much greater.

#### **4.7 INTERNAL DOCUMENTATION AND REPORTING**

Employees are to report ALL accidents/injuries to the Supervisors as soon as possible.

Supervisors will complete an Incident Report and submit it to the Operations Manager, or safety-designated manager, the same day the incident occurred. This report will include any applicable employee or witness statements and documentation (photos, etc.).

Incidents will also be noted on a Special Occurrence Form the same day that the incident occurred (see Appendix B).

A Spill Report Form will be completed by the site Environmental Protection Manager the same day the incident occurred for incidents involving unauthorized spills/releases that are reportable.

As needed, the Site Wide E.C. will thoroughly interview personnel who were involved in an incident as soon after the incident as possible.

Activities and observations will be reconstructed in chronological order. These reports will include:

- name, address and telephone number of the facility;
- extent of injuries, if any;
- Date, time, location and type of incident (i.e., fire, spill, etc.);
- assessment of actual or potential hazards to health or environment, as applicable;
- chronological description of the incident and ALRRF response;
- names and positions of witnesses;
- steps taken to prevent a recurrence
- a summary and copies of media coverage; and
- Regulatory and government agencies contacted (with copies of reports).

#### **4.8 EXTERNAL DOCUMENTATION AND REPORTING**

For any incident that requires the implementation of this EMCP, the Investigating Supervisor will complete a Special Occurrence Form with the time, date and details.

**Within 15 days** after such an incident, the District Manager, with assistance from the site Environmental Protection Manager, will submit a written report on the incident to the State Department of Health Services in accordance with CCR Title 22, Section 66265.56 (1).

The report shall 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 (e.g., fire, explosion);
- name and quantity of material(s) involved;
- extent of injuries, if any;
- an assessment of actual or potential hazards to human health or the environment, where applicable; and
- estimated quantity and disposition of recovered material that resulted from the incident.

#### **4.9 RELOCATION AND ALTERNATIVE DISPOSAL FACILITIES**

In the event of an emergency, it may be necessary to temporarily relocate personnel from the ALRRF office.

ALRRF management and administrative personnel will be temporarily relocated to the WMAC office located at 172 98<sup>th</sup> Avenue in Oakland, California.

If sufficient space is not available at this office and ALRRF conditions are deemed safe, WMAC may rent several modular buildings and locate them at ALRRF.

Should an emergency warrant the temporary or unexpected permanent closure of the ALRRF, the Davis Street Transfer Station or San Francisco transfer station, the following course of action will be taken pending concurrence of the appropriate regulatory agencies:

- Direct haul the waste stream to alternate facilities such as Kirby Canyon Recycling and Disposal Facility (approximately 60 miles southwest of ALRRF).
- Direct haul the wastes to other disposal sites as approved by regulatory agencies.
- Set up a temporary transfer station at either ALRRF or any of the facilities listed above, if warranted.

#### **4.10 FACILITY RECOVERY**

Key facility structures will be given first priority after the emergency condition has ceased to exist. Buildings will be surveyed by qualified in-house or contractor personnel for structural weaknesses and risks to occupancy.

The buildings and grounds will be examined for:

- Existing and potential hazards;
- structural integrity;
- precarious equipment, structures or furniture;
- live and exposed electrical wiring;
- escaping gas or fuels;
- dangerous chemicals; and
- Damaged bottles, tanks or containers.

Areas that can be safely re-occupied will then be identified and priority functions will be given to those areas. Usable equipment, tools, supplies, furniture, etc. will be cleaned (if necessary) and put back to use or stored in a secure and safe holding area.

#### **4.11 DECONTAMINATION, WASTE MANAGEMENT, AND EQUIPMENT/SUPPLY MAINTENANCE**

Immediately after the emergency, any recovered waste, contaminated soil or other materials will be appropriately isolated and subsequently disposed of, in accordance with the applicable local, state and federal regulations.

Care will be taken not to combine incompatible or volatile wastes.

Decontamination procedures will be followed before returning previously contaminated items to service.

After an emergency, all emergency equipment that has been used will be cleaned, repaired, or recharged so that it is fit for use, or replaced, as necessary.

An inspection of all safety equipment will be conducted before any re-occupancy or operations are resumed. Expendables will be restocked as required.

## SECTION 5.0 EMERGENCY-SPECIFIC QUICK REFERENCE PAGE

### 5.1 EMERGENCY TEAM MEMBERS & ROLES

Below is a summary of the roles of the landfill emergency team:

- An Investigating Supervisor
- Facility Emergency Coordinators
- A Site Wide Emergency Coordinator
- Facility Roll Callers

|                                                             |                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>An Investigating Supervisor</b>                          | First point of contact for employees is the Supervisor on duty – he or she then acts as the “Investigating Supervisor”.                                                                                                                                               |
| <b>Facility Emergency Coordinators<br/>(Facility E.C.s)</b> | One for each key location on the ALRRF site (Maintenance (Base 1) Shop, Admin. (Base 2), Landfill, Gas Plants, etc.)<br>Supports emergency first responders, Investigating Supervisor, and coordinates response action at that particular location on the ALRRF site. |
| <b>Facility Roll Callers</b>                                | One for each key location on site (Maintenance (Base 1), Admin. (Base 2), Landfill, Gas Plants, etc.)<br>Does roll call to ensure all personnel are accounted for. Informs Investigating Supervisor and Facility Emergency Coordinators.                              |
| <b>A Site-Wide Emergency Coordinator</b>                    | One person who helps ensure all parties on site are informed (managers, contractors, etc.), ensures outside agencies and WM Area, Group and Corporate offices are contacted as needed.                                                                                |
| <b>Additionally-Trained Employees</b>                       | Employees that have received additional training – such as in first aid or spill response and/or hazardous materials response in order to be able to address certain spills or hazardous materials emergencies on site.                                               |

- Details on the roles and responsibilities of each member of the ET are provided in Section 3.
- Refer to Table 7 (ALRRF Current Site Emergency Team Assignments) for a list of the current site personnel that have been assigned the above responsibilities.

- **EMERGENCY CONTACT #s:** See Tables 1 & 2 (behind Tables Tab)

### 5.2 EMERGENCY-SPECIFIC ACTIONS DIRECTORY

|                          |                     |                       |
|--------------------------|---------------------|-----------------------|
| EVACUATIONS              | =====REFER TO=====> | SECTION 6 & Figure 1  |
| FIRES                    | =====REFER TO=====> | SECTION 7             |
| SPILLS/RELEASES          | =====REFER TO=====> | SECTION 8             |
| FRIABLE ASBESTOS         | =====REFER TO=====> | SECTION 9             |
| MEDICAL EMERGENCY        | =====REFER TO=====> | SECTION 10 & Figure 2 |
| EARTHQUAKE               | =====REFER TO=====> | SECTION 11            |
| BOMB THREAT              | =====REFER TO=====> | SECTION 12            |
| NATURAL DISASTERS        | =====REFER TO=====> | SECTION 13            |
| DEMONSTRATIONS/STRIKE    | =====REFER TO=====> | SECTION 14            |
| HANDLING SUSPICIOUS MAIL | =====REFER TO=====> | SECTION 15            |

## **SECTION 6.0 EVACUATION PROCEDURES**

An evacuation may be called for by the emergency first responders, Site Wide Emergency Coordinator, the District Manager, a Facility E.C. or Supervisors, if it is determined that an emergency situation may be a human health or safety threat. This may be due to a hazard or emergency at the LNG Plant or LCNG Fueling Station, a large spill or fire at other site locations, an evacuation alarm related to the Gas Plants or the leachate collection system, etc.

### **A) Proceed to Evacuation Gathering Location [consider the location and nature of the emergency]**

After receiving the instruction to evacuate, employees are to immediately evacuate the building or work area and head to an Evacuation Gathering Location. The Evacuation Locations are shown on Plate 1A and consist of the following:

1. Maintenance Facility (Base 1) parking lot area
2. Active Landfill disposal area (Tipper approach pad)
3. Back Exit Gate (northeast area of Fill Area 1 landfill)
4. Administration Building (Base 2) parking lot area
5. Entrance Gate area (front entrance off of Altamont Pass Road)

➤ Refer to Plate 1A for a map indicating the gathering locations for evacuations.

Everyone is to go to the NEAREST gathering location to them at the time,

**EXCEPT** if the nearest gathering location is not safe because of the emergency

***Example: If there is a fire at the nearest gathering location, or the wind direction is causing smoke or gases to move in that direction.***

**IF** this is the case, then these employees, and any other persons, should go to another secure gathering location on site as shown on Plate 1A.

**REMAIN UPWIND:** if there is, a fire or spill/release, use the wind flags & wind socks located on site to determine wind direction -- instructions will also be given by E.C.'s or Supervisors.

Some employees that have received additional training in emergency response may be directed by a Emergency Coordinator or Supervisor to remain and assist in addressing the emergency.

### **B) Conduct a Head-Count and Update the Facility E.C.**

The roll-caller at each evacuation location will be responsible for initiating a head count and making a list of present and absent employees, contractors and visitors.

### **C) Await Instructions**

Everyone is to remain in the gathering areas until directed by either the Site Wide E.C. or an Emergency Action Team representative to completely evacuate the site or return to work.



**D) Case of Complete Site Evacuation**

If a complete site evacuation is called for by the emergency first responders, Site Wide E.C., or District Manager, the Facility Emergency Coordinators are to direct those gathered at their evacuation location to exit the site either through the Main entrance gate (Altamont Pass Road exit) or the Back Exit gate (northeast area of landfill to access Dyer Road), depending on the nature and location of the emergency.

.....

**UNDER NO CIRCUMSTANCES SHOULD AN EMPLOYEE RETURN TO A BUILDING  
OR WORK AREA UNTIL THE "ALL CLEAR" HAS BEEN GIVEN BY THE EMERGENCY FIRST RESPONDERS and  
SITE-WIDE or FACILITY EMERGENCY COORDINATORS.**

.....

## **SECTION 7.0 FIRE EMERGENCY PROCEDURES**

### **7.1 FIRE PROCEDURES QUICK REFERENCE SUMMARY**

#### **THE SITE FIRE CONTROL APPROACH IS BASED ON LEAVING FIRE FIGHTING**

#### **TO THE FIRE DEPARTMENT WITH SUPPORT FROM TRAINED ALRRF EMPLOYEES**

The fire emergency procedures detailed in this section will be implemented when there is a fire at the ALRRF. There are two facility categories at the ALRRF with separate fire emergency procedures. Category 1 areas consist of the LNG Plant, LCNG Fueling Station, and Gas Plants #1 and #2. Category 2 consists of all other ALRRF site facilities and areas not defined (e.g., located) in the first category.

#### **CATEGORY 1: LNG Plant, LCNG Fueling Station, and Gas Plant #2**

In the event of a fire emergency at the LNG Plant, LCNG Fueling Station, or Gas Plant #2 (A-16 Flare and IC Engine Plant):

- **Employees** with telephone equipment shall immediately call **911 (9-911 from site phones)** to notify the Fire Department.
- **EMPLOYEES** with radio equipment only shall immediately contact **their Supervisor, their Facility E.C. or the Site-Wide E.C..** The Supervisor or E.C. shall immediately call **911 (9-911 from site phones)** to notify the Fire Department.
- **Employees and personnel at these facilities shall evacuate immediately** and proceed to a designated evacuation location to await direction from, or to assist, the emergency first responders and ALRRF Emergency Coordinators. LNG, IC Engine, and/or Gas Plant staff may activate the Emergency Shutdown Devices (aka, ESD's or E-Stops) as they evacuate these facilities.
- The **Scale House, IC Engine and DSTS Trailers, Green Waste Shredding and Tire Shredding Operations shall be evacuated immediately** in the event of a fire at the LNG Plant, LCNG Fueling Station, or Gas Plant #2. **Evacuation Locations #2 or #3 shall be used in this case (refer to Plate 1A).**
- The **Supervisor or E.C.** shall immediately direct **ALL Customers in the vicinity of the Scale House to Evacuation Location #2** on the landfill.
- The **Supervisor or E.C.** shall immediately stop **ALL incoming Customers at the Maintenance Facility (Base 1) road** and implement traffic control procedures for vehicles entering the ALRRF. The **Supervisor or E.C.** shall coordinate with the emergency first responders and provide assistance and resources as directed by the emergency first responders.
- **SUPERVISORS** are to report **ALL** emergency situations immediately **to the applicable Facility E.C./Base Stations and the Site-Wide E.C.**
- **FACILITY E.C.s** are to report **ALL** emergency situations immediately **to the Site-Wide E.C. and to on-site Supervisors.**

### **CATEGORY 1: Gas Plant #1 (LFG Turbines and A-15 Flare System)**

In the event of a fire emergency at Gas Plant #1 (LFG Turbines & A-15 Flare):

- **Employees** with telephone equipment shall immediately call **911 (9-911 from site phones)** to notify the Fire Department.
- **EMPLOYEES** with radio equipment only shall immediately contact **their Supervisor, their Facility E.C. or the Site-Wide E.C.** The **Supervisor or E.C.** shall immediately call **911 (9-911 from site phones)** to notify the Fire Department.
- **Employees and personnel at this facility shall evacuate immediately** and proceed to a designated evacuation location to await direction from, or to assist, the emergency first responders and ALRRF Emergency Coordinators. **Evacuation Locations #4 or #5 shall be used in this case (refer to Plate 1A).** Gas Plant staff may activate the Emergency Shutdown Devices (aka, ESD's or E-Stops) as they evacuate the facility.
- The **Waste Water Facility shall be evacuated immediately** in the event of a fire at Gas Plant #1. **Evacuation Locations #4 or #5 shall be used in this case (refer to Plate 1A).**
- The **Supervisor or E.C.** shall immediately direct **ALL Customers in the vicinity of the Scale House to Evacuation Location #2** on the landfill.
- The **Supervisor or E.C.** shall immediately implement traffic control procedures for vehicles entering the ALRRF. If the fire is limited to the Gas Plant #1 pad area, customer traffic can be directed to the Scale House to assure that the entrance road is maintained clear of traffic obstructions to allow emergency first responders to freely access Gas Plant #1. If the fire has spread away from Gas Plant #1, it will be necessary to restrict access to ALRRF and provide traffic control on Altamont Pass Road. The **Supervisor or E.C.** shall coordinate with the emergency first responders and provide assistance and resources as directed by the emergency first responders both in support of fire containment/suppression measures and appropriate traffic control measures.
- **SUPERVISORS** are to report **ALL** emergency situations immediately to the applicable **Facility E.C./Base Stations and the Site-Wide E.C.**
- **FACILITY E.C.s** are to report **ALL** emergency situations immediately to the **Site-Wide E.C. and to on-site Supervisors.**

### **CATEGORY 2: All Other Landfill Facilities and Areas\***

For all other landfill facilities and areas not defined in Category 1 above, the fire emergency procedures detailed below will be implemented when there is a fire that is not immediately contained and extinguished or too large to handle.

1. If a fire develops in any Category 2 area, landfill personnel are equipped and trained to extinguish it. The site has immediate access to heavy equipment for fire breaks and burials, soil stock piles and

water trucks. All materials handling heavy equipment have onboard fire suppression systems and hand held fire extinguishers.

2. Fire protection for site equipment is provided by frequent inspection and removal of debris and dust from under carriages and engine compartments. Regular maintenance includes inspections for oil and fuel leaks. There are portable fire extinguishers on all vehicles and heavy equipment. Fire extinguishers are also kept at the maintenance building (Base 1), the administration buildings (Base 2), and the waste water facility.
3. Small fires located in Category 2 areas of the site will be extinguished by site personnel using materials and equipment as noted above. However, where the fire is assessed to be too large to handle, the ALRRF will immediately call 911 and notify the Fire Department for emergency response.

***Fire department connections are located near the Maintenance Facility (Base 1), Administration Buildings (Base 2), Gas Plant #1 and Gas Plant#2 (see Plates 1B and 6).***

\* See the Report of Composting Site Information Fire Prevention, Control, and Mitigation Plan for detailed procedures regarding fires at the Category 2 Composting Operations.

**In the event the fire is not immediately contained and extinguished in any Category 2 areas of the site, or is too large to handle, implement the following procedures.**

#### **A. NOTIFY THE FIRE DEPARTMENT**

- Call 911 (cell phone) or 9-911 (site phones) and inform the dispatcher of the site address, location of the fire, type of fire, and whether it is likely to spread out of the immediate area.
- FOLLOW ALL FIRE DEPARTMENT INSTRUCTIONS
- One person should be at the Main Gate to direct the fire trucks and other traffic (generally the Administration Facility Roll Caller).
- One person should take charge near the location of the fire to direct fire trucks & direct traffic flow to maintain free and unimpeded access to the fire.

#### **B. IMMEDIATELY NOTIFY OTHERS & EVACUATE THE AREA**

- Notify anyone in the immediate area and contact a Supervisor or Manager
- The Supervisor or Manager should contact the Site-Wide E.C. and the Facility E.C.
- Evacuate the area.

#### **C. SITE-WIDE EMERGENCY COORDINATOR ACTIONS**

- The Site-Wide E.C. should get the information needed to evaluate the situation: size & location, amount of smoke, whether or not controlled by sprinklers.
- Notify the local fire department using 911 (9-911 from site phones) (IF NOT ALREADY CONTACTED).

- If the Site-Wide E.C. cannot evaluate the situation based on the conversation with the Supervisor or Facility E.C first on the scene, they will proceed to the area for personal observation.
- Communicate instructions to all ALRRF managers, supervisors, contractors, and visitors – implement Evacuation Procedures if necessary.
- Get head count reports from impacted Facility E.C.s & notify Fire Dept. of any required rescues.
- Inspect the areas involved prior to re-occupancy for safety, salvage, or required cleanup.
- Give the "all clear" to employees and contractors.
- Prepare a formal written critique of the incident and associated actions and include recommendations for improvement

### **7.3 GENERAL SITE FIRE PREVENTION PROGRAM**

- All on-site structures must have a minimum 30-foot clearance of flammable vegetation on all sides or to the property line, whichever is closer.
- All gas-powered tools and internal combustion equipment must be equipped with spark arresters and must be maintained in an effective manner. Turbo-charged equipment is exempted.
- All site personnel are to be trained in good fire prevention and housekeeping techniques in order to reduce the fire starting potential. Site personnel should also be familiar with basic fire control procedures and use of fire extinguishers.
- All fire extinguishers, fire hoses, and fire pumps should be periodically inspected or tested, maintained in effective working order, and all personnel should be familiar with their locations and use.

### **7.4 DETAILED FIRE CONTROL PROCEDURES FOR SPECIFIC FIRE TYPES/LOCATIONS**

Areas/operations at risk at the ALRRF to a fire include:

#### **CATEGORY 1**

- LNG Plant
- LCNG Fueling Station
- Gas Plant #2 (IC Engine Plant and A-16 Flare System)
- Gas Plant #1 (LFG Turbines and A-15 Flare System)

#### **CATEGORY 2**

- maintenance building & fuel tanks
- landfill
- landfill equipment & vehicles
- tire shredding operations
- all other structures• Composting Operations - see Report of Composting Site Operations Fire Prevention, Control, and Mitigation Plan for detailed fire procedures

#### **7.4.1 FIRE AT THE LNG PLANT**

- Call 911 (9-911 from site phones) to notify the Fire Department.
- EMPLOYEES with radio equipment only shall immediately contact their Supervisor, their Facility E.C. or the Site-Wide E.C.. The Supervisor or E.C. shall immediately call 911 (9-911 from site phones) to notify the Fire Department.
- Employees and any other person(s) shall evacuate the LNG Plant, LCNG Fueling Station, and Gas Plant #2 facilities immediately and proceed to Evacuation Locations #2 or #3 (refer to Plate 1A). LNG, IC Engine, and/or Gas Plant #2 staff may activate the Emergency Shutdown Devices (aka, ESD's or E-Stops) as they evacuate these facilities (if such action can be safely accomplished under the circumstances).
- The Scale House, IC Engine and DSTS Trailers, and Tire Shredding Operations shall be evacuated immediately to Evacuation Location #2 on the landfill (refer to Plate 1A).
- The Supervisor or E.C. shall immediately direct ALL Customers in the vicinity of the Scale House to Evacuation Location #2 on the landfill (refer to Plate 1A).
- The Supervisor or E.C. shall immediately stop ALL incoming Customers at the Maintenance Facility (Base 1) road and implement traffic control procedures for vehicles entering the ALRRF site. The Supervisor or E.C. shall coordinate with the emergency first responders and provide assistance and resources as directed by the emergency first responders.

#### Additional information for the LNG Plant follows:

- **WARNING:** The LNG Plant processes landfill gas to create a process gas stream (methane) before it is liquefied and stored as Liquid Natural Gas (LNG). These gases contain methane which is explosive when the concentration is between 5% and 15%.
- Methane is lighter than air, thus it will rise/ventilate relatively quickly.
- Qualified LNG Plant personnel should assist the emergency first responders (Fire Department) by advising them of control features at the plant and accessing those control features if directed (and safe) to do so by the Fire Department.

Controls at the LNG Plant that can be used in the event of a fire are:

- Emergency Shutdown Devices (aka; ESD's, E-Stops, or "panic buttons")
- Isolation valves between process units
- A main landfill gas emergency shutoff valve
- A main landfill gas supply isolation valve
- A Fire Department Use Only water hookup (just northwest of the plant)

- Refer to Plate 6 for a facility map indicating the locations of the Emergency Shutdown Devices (aka; ESD's, E-Stops, or "panic buttons").

If a fire were to start at the LNG Plant (whether staffed or unstaffed), the fire detection and alarm systems would be activated. The Fire Department would be automatically notified and the plant automatically shutdown. The above controls could be used if directed to do so by the emergency first responders (Fire Department).

#### **7.4.2 FIRE AT THE LCNG FUELING STATION**

- Call 911 (9-911 from site phones) to notify the Fire Department.
- **EMPLOYEES** with radio equipment only shall immediately contact their Supervisor, their Facility E.C. or the Site-Wide E.C.. The Supervisor or E.C. shall immediately call 911 (9-911 from site phones) to notify the Fire Department.
- Employees and any other person(s) shall evacuate the LNG Plant, LCNG Fueling Station, and Gas Plant #2 facilities immediately and proceed to Evacuation Locations #2 or #3 (refer to Plate 1A). LNG, IC Engine, and/or Gas Plant #2 staff may activate the Emergency Shutdown Devices (aka; ESD's, E-Stops, or "panic buttons") as they evacuate these facilities.
- The Scale House, IC Engine and DSTS Trailers, and Tire Shredding Operations shall be evacuated immediately to Evacuation Location #2 on the landfill (refer to Plate 1A).
- The Supervisor or E.C. shall immediately direct ALL Customers in the vicinity of the Scale House to Evacuation Location #2 on the landfill (refer to Plate 1A).
- The Supervisor or E.C. shall immediately stop ALL incoming Customers at the Maintenance Facility (Base 1) road and implement traffic control procedures for vehicles entering the ALRRF site. The Supervisor or E.C. shall coordinate with the emergency first responders and provide assistance and resources as directed by the emergency first responders.

#### Additional information for the LCNG Fueling Station follows:

- **WARNING:** The LCNG Fueling Station stores methane in the form of Liquid Natural Gas (LNG) and Compressed Natural Gas (CNG). Methane is explosive when the concentration is between 5% and 15%.
- Methane is lighter than air, thus it will rise/ventilate relatively quickly.
- Qualified LCNG Fueling Station personnel should assist the emergency first responders (Fire Department) by advising them of control features at the station and accessing those control features if directed (and safe) to do so by the Fire Department.

Controls at the LCNG Fueling Station that can be used in the event of a fire are:

- Emergency Shutdown Devices (aka; ESD's, E-Stops, or "panic buttons")
- Isolation valves between process units
- A Fire Department Use Only water hookup (just northwest of the plant)

If a fire were to start at the LCNG Fueling Station (whether staffed or unstaffed), the fire detection and alarm systems would be activated. The Fire Department would be automatically notified and the plant automatically shutdown. The above controls could be used if directed to do so by the emergency first responders (Fire Department).

#### **7.4.3 FIRE AT GAS PLANT #2 (IC Engine Plant and A-16 Flare System)**

- Call 911 (9-911 from site phones) to notify the Fire Department.
- EMPLOYEES with radio equipment only shall immediately contact their Supervisor, their Facility E.C. or the Site-Wide E.C.. The Supervisor or E.C. shall immediately call 911 (9-911 from site phones) to notify the Fire Department.
- Employees and any other person(s) shall evacuate the LNG Plant, LCNG Fueling Station, and Gas Plant #2 facilities immediately and proceed to Evacuation Locations #2 or #3 (refer to Plate 1A). LNG, IC Engine, and/or Gas Plant #2 staff may activate the Emergency Shutdown Devices (aka, ESD's or E-Stops) as they evacuate these facilities.
- The Scale House, IC Engine and DSTS Trailers, and Tire Shredding Operations shall be evacuated immediately to Evacuation Location #2 on the landfill (refer to Plate 1A).
- The Supervisor or E.C. shall immediately direct ALL Customers in the vicinity of the Scale House to Evacuation Location #2 on the landfill (refer to Plate 1A).
- The Supervisor or E.C. shall immediately stop ALL incoming Customers at the Maintenance Facility (Base 1) road and implement traffic control procedures for vehicles entering the ALRRF site. The Supervisor or E.C. shall coordinate with the emergency first responders and provide assistance and resources as directed by the emergency first responders.

#### Additional information for the Gas Plant #2 follows:

It is noted that the IC Engines (2) and A-16 Flare located at Gas Plant #2 are equipped with manual shutdown devices that can be activated in case of a fire.

- WARNING: Landfill gas (methane) is explosive in nature when the methane concentration is between 5% and 15%.
- Landfill gas (methane) is lighter than air, thus it will rise/ventilate relatively quickly.
- Stay upwind of the fire.



Assist as directed by the Fire Department to support their strategy and activities to contain and/or suppress the fire. If safe to do so (and not previously completed) and directed by the Fire Department, have a qualified person shut off the landfill gas flow to the unit where the fire is located.

**Location and Description:**

Gas Plant #2 (IC Engine Plant and A-16 Flare System) is located northwest of the Scalehouse and northwest of the Fill Area 1 landfill. The IC Engines (2) are each enclosed in a metal container structure constructed on a concrete foundation. The A-16 Flare station consists of a concrete pad containing an enclosed flare, blower (3), and the controller assembly. The flare is used as backup emission control device for the landfill. The A-16 Flare is also be used for disposal and destruction of LFG condensate that is stored in a tank adjacent to the flare. The inlet to the flare is equipped with a flame arrester to prevent any flashback during upset or shutdown conditions (i.e. low gas flows or pressures).

**Control features for the A-16 Flare include:**

- amp meter for blower motor;
- security/alarm light with audible alarm;
- main power supply disconnect;
- emergency shutdown button;
- stack temperature indicator and recorder; and
- Actuated control valve for introduction and/or shutoff of the landfill gas stream.

**Flare System Shutdown or Failure Conditions:**

The A-16 Flare is automated and will automatically shut down if any of the following conditions develop:

- high fuel pressure; low fuel pressure;
- high stack temperature; low stack temperature;
- flare failure; and
- Low purge airflow.

During an automatic shutdown, the flare will:

- shut down immediately;
- close the control valve to stop all flow of landfill gas to the blowers, flare, IC Engine Plant, and LNG Plant; and
- Actuate the audible alarm and visual alarm beacon to alert ALRRF personnel of the shutdown conditions; send a callout message to designated ALRRF personnel.

To further ensure safe operations, the flare's safety controls and shut down features are designed to seal off the gas supply should the system fail or should any shut down conditions develop.

#### **Gas Flare Fires and Fire-Extinguishing Procedures:**

Due to the non-combustible steel and masonry construction of the flare's equipment and structures, the primary combustible sources remaining would be electrical insulation, escaping landfill gas, or lubrication oil from the blower.

If an electrical fire occurs, the main disconnect switch will fail and stop the flow of electricity to the electrical panels. This will shut the flare and the control valve down, which will also stop the flow of landfill gas to the flare.

With all of the automatic features described above, a fire will likely be due to something other than the flare itself (i.e. a grass or paper fire). If the fire department is called to respond to a fire in the flare station or surrounding area, appropriate ALRRF personnel will be notified immediately of the situation.

Should it be determined that the flare should be shut down:

- The flare system can be shut down immediately by activating the Emergency Shutdown Devices (aka, ESD's or E-Stops) located on the flare's electrical control panel.

The electrical control panel and breakers can be deactivated by pulling the main electrical disconnect switch.

#### **7.4.4 FIRE AT GAS PLANT #1 (LFG Turbines and A-15 Flare System)**

- Call 911 (9-911 from site phones) to notify the Fire Department.
- **EMPLOYEES** with radio equipment only shall immediately contact **their Supervisor, their Facility E.C. or the Site-Wide E.C..** The Supervisor or E.C. shall immediately call **911 (9-911 from site phones)** to notify the Fire Department.
- Employees and personnel shall evacuate the Gas Plant #1 facility immediately and proceed to **Evacuation Locations #4 or #5 (refer to Plate 1A)**. Gas Plant staff may activate the Emergency Shutdown Devices (aka, ESD's or E-Stops) as they evacuate the facility.
- The **Supervisor or E.C.** shall immediately implement traffic control procedures for vehicles entering the ALRRF site to assure that emergency first responders have unimpeded access

to the site and are directed to the Gas Plant #1 access road. The **Supervisor or E.C.** shall coordinate with the emergency first responders and provide assistance and resources as directed by the emergency first responders.

Additional information for the Gas Plant #1 follows:

It is noted that the LFG Turbines at Gas Plant #1 are equipped with automatic shutdown devices in case of fire (the A-15 Flare System has manual shutdown devices). The Gas Plant #1 Building is also equipped with a Halon sprinkler system. A 22,000 gallon water storage tank, fire water pumps, and fire department connections are located in the southeast corner of the plant pad area for use by the fire department.

- **WARNING:** Landfill gas (methane) is explosive in nature when the methane concentration is between 5% and 15%.
- Landfill gas (methane) is lighter than air, thus it will rise/ventilate relatively quickly.
- Stay upwind of the fire.

Assist as directed by the Fire Department to support their strategy and activities to contain and/or suppress the fire. If safe to do so (and not previously completed) and directed by the Fire Department, have a qualified person shut off the landfill gas flow to the unit where the fire is located.

**Location and Description:**

Gas Plant #1 (LFG Turbines and A-15 Flare System) is located east of the Administration Buildings (Base 2) and on the southeast side of the Fill Area 1 landfill. The LFG Turbines are enclosed in a metal building constructed on a concrete foundation. The A-15 Flare station consists of a concrete pad containing an enclosed flare, blower and the controller assembly. The flare is used as backup emission control devices to the energy generating units. The flare may also be used for disposal and destruction of LFG condensate that is stored in a tank adjacent to the flare. The inlet to the flare is equipped with a flame arrester to prevent any flashback during upset or shutdown conditions (i.e. low gas flows or pressures).

**Control features for the A-15 Flare include:**

- amp meter for blower motor;
- security/alarm light with audible alarm;
- main power supply disconnect;
- emergency shutdown button;
- stack temperature indicator and recorder; and

- Actuated control valve for introduction and/or shutoff of the landfill gas stream.

#### **Flare System Shutdown or Failure Conditions:**

The A-15 Flare is automated and will automatically shut down if any of the following conditions develop:

- high fuel pressure; low fuel pressure;
- high stack temperature; low stack temperature;
- flare failure; and
- Low purge airflow.

During an automatic shutdown, the flare will:

- shut down immediately;
- close the control valve to stop all flow of landfill gas to the blower and flare; and
- Actuate the audible alarm and visual alarm beacon to alert ALRRF personnel of the shutdown conditions; send a callout message to designated ALRRF personnel.

To further ensure safe operations, the flare's safety controls and shut down features are designed to seal off the gas supply should the system fail or should any shut down conditions develop.

#### **Gas Flare Fires and Fire-Extinguishing Procedures:**

Due to the non-combustible steel and masonry construction of the flare's equipment and structures, the primary combustible sources remaining would be electrical insulation, escaping landfill gas, or lubrication oil from the blower.

If an electrical fire occurs, the main disconnect switch will fail and stop the flow of electricity to the electrical panels. This will shut the flare and the control valve down, which will also stop the flow of landfill gas to the flare.

With all of the automatic features described above, a fire will likely be due to something other than the flare itself (i.e. a grass or paper fire). If the fire department is called to respond to a fire in the flare station or surrounding area, appropriate ALRRF personnel will be notified immediately of the situation.

Should it be determined that the flare should be shut down:

- The flare system can be shut down immediately by activating the RED "panic button", located on the flare's electrical control panel.
- The electrical control panel and breakers can be deactivated by pulling the main electrical disconnect switch.

#### **7.4.5 FIRE IN MAINTENANCE FACILITY (Base 1) AREA, BUILDING, OR EQUIPMENT**

- Stay on the upwind side of the area affected by fire.
- Extinguish small fuel fires and electrical fires with type ABC fire extinguisher, not water. Use fire extinguishers only when fires are small. Do not waste a fire extinguisher on a large fire; call 911 to notify the Fire Department. You may need the fire extinguisher later to protect yourself or your vehicle. Extinguishers are located in each office, in the maintenance facility, the lunchrooms, in each vehicle, and at the unleaded gas/diesel fuel station.
- In the event the fire is too large to handle or not immediately contained and extinguished, evacuate the area and call 911 (cell phone) or 9-911 (site phones).

#### **7.4.6 FIRE IN THE LANDFILL AREA**

- Approach from the upwind side of the area affected by fire.
- Extinguish the fire with water from the water truck (except fuel fires) and with dirt pushed by the bulldozers.
- Proceed with caution, such that bulldozers do not become trapped or stuck in loose refuse.
- Use water sensibly. A fine spray is generally as effective as a heavy stream and does not empty the truck as quickly.
- No bulldozer is to approach a fire unless supported by a water truck. When the water truck becomes empty, the bulldozer must back away from the fire until more water is available.
- If two water trucks are available, shuttle water trucks back and forth such that one is filling while the other is in use.
- Do not excavate or remove cover near a landfill gas fire without supervision.
- In the event the fire is not immediately contained and extinguished, or too large to handle, evacuate the area and call 911 (cell phone) or 9-911 (site phones).

#### **7.4.7 FIRE IN LANDFILL AREA CONTAINING POTENTIALLY HAZARDOUS WASTE**

- Wastes accepted at ALRRF are not expected to be hazardous, flammable, or capable of emitting toxic fumes in fire; however, employees are instructed to proceed with caution. Clear the area if fumes or vapors develop.
- Stay upwind of the fire.
- Extinguish the fire with dirt pushed by the bulldozer, if safe to do so, and/or with water. Erect earth dams to keep water from migrating away from the area.
- Do not allow any sightseers to enter the area.

- In the event the fire is too large to handle or not immediately contained and extinguished, evacuate the area and call 911 (cell phone) or 9-911 (site phones).

#### **7.4.8 SUB-SURFACE REFUSE OXIDATION (landfill gas collection system)**

A sub-surface refuse oxidation process normally occurs when air is drawn into the refuse due to the vacuum created within the landfill by a gas collection system. The addition of oxygen into the refuse environment will cause both biological and chemical reactions that may be detected by one or more of the following events:

- dramatic settlement over a short period of time;
- smoke or a smoky odor emanating from the landfill surface or risers; and/or
- Increase in gas temperature (140 degrees Fahrenheit (<sup>0</sup>F) and above).

***If an oxidation incident occurs, the ALRRF District Manager and the Gas Plant Facility E.C. should be notified immediately. Gas Plant staff will take the lead in addressing this type of fire. ALRRF should assist and can begin gathering resources (e.g. dirt, heavy equipment, water truck) if waiting for Gas Plant staff to arrive.***

The recommended approach to controlling a sub-surface oxidation process is as follows:

- Isolate the adjacent well(s) from the collection system to prevent any further stressing of the area.
- Seal any leachate risers, gas wells, or probes that may have allowed the introduction of air.
- Saturate the cover soils within and surrounding the area of subsidence, of hot spots, or of emanating smoke (or steam) to minimize any further air infiltration.
- Supplement the cover soils in the area of subsidence or surface cracking to further minimize air infiltration.

If the oxidation process continues or worsens, nitrogen or carbon dioxide (liquid or gas) can be pumped into the refuse through tubes driven into the landfill. These compounds will suffocate the oxidation process and force the oxygen from the waste environment. Nitrogen is an inert material and carbon dioxide is naturally a major component of landfill gas.

The nitrogen or carbon dioxide can also be used to keep PVC pipe cool if well temperatures are increasing. It should be noted that if the PVC pipe has been subjected to gas temperatures above 1500 <sup>0</sup>F for an extended period of time (over an hour), the well will probably need to be replaced.

Discharging large volumes of water into the extraction well is not recommended. Unless the oxidation process is occurring in the refuse surrounding the borehole, the discharge of water into the well will not smother the oxidation process. In some cases the well will become watered-in.

The excavation of waste to control oxidation is also not recommended since it will allow additional air to enter the waste environment. The waste may auto-ignite due to the excess supply of oxygen and start a fire.

#### **7.4.9 FIRE IN THE SURROUNDING GRASSLANDS**

- Stay upwind of the fire.
- Extinguish the fire with water from the water truck, with dirt pushed by the bulldozer, and with fire breaks cut by the bulldozer.
- Try to avoid any unnecessary damage to crops, wetlands, or sensitive habitats from vehicles.
- **In the event the fire is too large to handle or not immediately contained and extinguished, evacuate the area and call 911 (cell phone) or 9-911 (site phones).**

Be aware that aerial tankers may be dispatched by the fire department and stay out of the way when they dump fire retardants or water.

#### **7.4.10 FIRE IN PROPANE TANKS**

- Uncontrolled propane vapors spread rapidly, are heavier than air, are a suffocation hazard, and are extremely flammable.
  - Since propane is heavier than air, it will accumulate in low lying areas.
- **In the event the fire is too large to handle or not immediately contained and extinguished, evacuate the area and call 9-911.**

#### **7.4.9 FIRE AT THE TIRE SHREDDING OPERATION**

**NOTE: Tire Shredding operation is operated by Shamrock Tires. They will take the lead in addressing any fires at this location.**

- Stay on the upwind side of the fire.
- Fight small fuel fires and electrical fires with type ABC fire extinguisher, not water. Extinguishers are located in the office buildings and in each vehicle.
- Contain large fuel fires with dirt pushed by bulldozers and wait for the fire department. Spray fuel tanks exposed to fire with water from a safe distance to keep them cool, but do not let water carry burning fuel elsewhere.
- Fight fires in buildings with water from water trucks.
- Clear the area if there is any danger of explosion.

## **SECTION 8.0      SPILL or RELEASE EMERGENCY PROCEDURES**

### **8.1      SPILL OR RELEASE QUICK REFERENCE SUMMARY**

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**EMPLOYEES WITH BASIC KNOWLEDGE OF SPILL RESPONSE & OF THE MATERIALS INVOLVED CAN  
ASSIST WITH INITIAL CONTAINMENT & CONTROL**

**====>>> IN THE EVENT OF A FRIABLE ASBESTOS WASTE RELEASE,  
SEE THE ASBESTOS RELEASE EMERGENCY PROCEDURES SECTION**

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#### **A. IMMEDIATELY NOTIFY SUPERVISOR, FACILITY E.C. OR SITE-WIDE E.C.**

- If a supervisor is the first to be responding, he or she should notify the Facility E.C. and Site-Wide E.C..

#### **B. IF THE MATERIAL INVOLVED IS KNOWN & COMMONLY USED ON SITE ("incidental")**

- Employees with basic knowledge of spill control & containment and of the material involved & its hazards may contain and control the material and block access to drains and drainage culverts, etc.
- Control and containment materials to be used as in spill kits located throughout the site.

#### **C. IF THE MATERIAL INVOLVED IS NOT KNOWN or NOT COMMONLY USED ON SITE**

- Restrict access to the area as appropriate. Outside contractor or agency assistance may be needed.

#### **D. SECURE THE AREA AFFECTED BY THE RELEASE AND RESTRICT ACCESS**

- Shutdown any operations, evacuate personnel, and restrict access to affected area, as appropriate.

#### **E. SITUATION ASSESSMENT by E.C. & EMERGENCY ACTION TEAM DEPLOYMENT**

- Either the Site-Wide or Facility E.C. will assess the release -- location, amount spilled/released, and other pertinent information -- to determine if outside assistance is required from off-site emergency services and local contractors (see Table 1 and 3 for numbers).
- Employees may assist in the incipient stage only, by evacuating personnel from, and restricting access to, an affected area, or controlling/containing spills (e.g., placement of booms/pads to direct/control spills near stormwater drains). Table 5 lists ALRRF employee emergency action support skills.
- Spill cleanup will be done by appropriately trained employees and outside professionals only.



## **F. EMERGENCY EQUIPMENT**

- Permanent secondary containment systems enclose the site key permanent storage areas and intercept drainage into the stormwater system.
- **Table 4** lists all available personnel protective equipment (PPE), medical equipment, spill equipment, communication equipment and structural equipment and its locations.
- Orange cones or barricades will be used for placement around a spill area to restrict access. Only qualified emergency response personnel will be allowed into the restricted area.

## **G. CONTAINMENT, CLEAN-UP, DECONTAMINATION AND DISPOSAL**

- All personnel and equipment utilized shall be thoroughly decontaminated prior to removal from the restricted area.
- All clean-up materials will be contained & appropriately disposed in accordance with regulations.

## **H. NOTIFICATIONS / REPORTING**

- Reportable releases shall be documented internally on a Special Occurrence Form (see Appendix B) and submitted to the Site E.C. to be maintained on file.
- A determination shall be made as to whether the release is classified as a reportable release as defined by the regulations. External reporting requirements will be defined by the Site Wide Emergency Coordinator and the General Manager and completed as soon as possible.

## **8.2 GENERAL SITE APPROACH TO SPILLS OR RELEASES**

- Spills/releases are a high visibility type of incident with a great potential for environmental damage and adverse public relations.
- Control of spills/releases requires the skills of trained personnel. It is important that only skilled persons be engaged to control spill/releases.
- Once the spilled material has been identified, measures will be employed to stop or minimize the spill/release. The residuals will then be cleaned up, packaged, and transported to an approved disposal site. Contract numbers for contractors to assist with response and clean up are listed in Table 2.
- Notification to regulatory agencies will be made, if deemed necessary.
- Fuel/Oil Spills:
  - In most cases, the secondary containment of the tanks will contain any spills that occur. Where the spill occurs outside the secondary containment, oil absorbent materials will be used to contain the spill.
  - Spilled oil and oil-soaked materials will then be placed in steel 55-gallon drums for temporary storage and disposal.

If a very large spill occurs, or if oils enter a storm drain, a specialized oil or hazardous material remediation firm will be contacted for immediate response. (See Table 2 for Contractor List and telephone numbers).

- Friable Asbestos: In the event of a friable asbestos release, refer to the Friable Asbestos Release Emergency Section.

### 8.3 POTENTIAL SOURCES OF SITE SPILLS OR RELEASES

- Materials which could result in a spill/release at ALRRF include diesel, gasoline, lubricant oils, greases, solvents, and hazardous wastes.
- Petroleum Products: A list of potential spill areas of petroleum products is included in Appendix C (HMBP Tables). This list also identifies the type of secondary containment associated with the tanks, anticipated types of failure, predicted flow direction and flow rate, and anticipated maximum release.
- Hazardous Materials/Waste: A list of the site hazardous materials and wastes is provided in Appendix C (HMBP).
- Site Plates: Refer to Plates 1-6 for facility maps, which indicate the location of site petroleum products and hazardous materials and wastes.
- Spills or releases will be documented and reported in accordance with the information detailed in Section 8.4 (Spill or Release Reporting Requirements) and Section 8.5 (Spill or Release Reporting Steps).

### 8.4 SPILL OR RELEASE REPORTING REQUIREMENTS

The following procedures should be followed, in accordance with the California Code of Regulations (CCR) Title 23, Division 3, Chapter 16, Article 5, Section 2652 and the Health and Safety Code 25295(a)(1), to notify the appropriate government and regulatory agencies if an unauthorized spill or release occurs.

The regulations make a distinction between an unauthorized spill/release that is contained within secondary containment and an unauthorized spill/release into the surrounding environment.

*NOTE: Friable Asbestos: In the event of a friable asbestos release, refer to the Friable Asbestos Release Emergency Section for information on reporting.*

#### Non-Reportable Spill/Release

- A spill/release within a secondary containment system is considered non-reportable providing it does not (1) pose a fire or explosion danger, (2) deteriorate the secondary containment, and (3) enter the environment. This type of release must be cleaned-up within 8 hours.

- It is important to carefully check the secondary containment system when a spill/release into the containment system occurs. If the secondary containment system has been damaged or deteriorated such that a release to the environment has occurred, the release is no longer classified as a non-reportable release but is a reportable release to be handled in the manner described below.

#### **Reportable Spill/Release**

- A spill/release which is not contained within a secondary containment system (and therefore enters the environment) is considered reportable if: (1) the release exceeds a **reportable** quantity; (2) the release presents a fire or explosion danger; or (3) the release results in a sheen on a water body.
- A release within a secondary containment system is also considered reportable if deterioration/damage of the containment system has occurred.

#### **Reportable Quantities**

- The term Reportable Quantities refers to the Federally- established limit (CFR Title 40, Part 302.4) below which no reporting is required, unless as stated above, the release presents a fire or explosion danger or has damaged/deteriorated the secondary containment system.

The State of California has added reportable quantities for petroleum products of 42 gallons (HSC 25870.8).

- If a reportable spill/release has occurred, a Special Occurrence Form (see Appendix B) will be completed.
- If a reportable spill/release has occurred, it must also be reported to the Alameda County Environmental Health, Hazardous Materials Division within 24 hours of detection.

In addition to the above reporting requirement, verbal and/or written notification may be necessary to:

- Office of Emergency Services - Alameda County
- Office of Emergency Services - State of California
- U.S. Coast Guard National Response Center
- Alameda County Fire Department
- Central Valley Regional Water Quality Control Board
- Waste Management West Area and WMI Corporate

Telephone numbers for all of these agencies/organizations are listed in Table 2.

## 8.5 REPORTABLE SPILL OR RELEASE REPORTING PROCESS

On the Site-Wide E.C., the District Manager or Environmental Protection Manager should make the report call. If they are not available, a Facility E.C. may make the call.

A reportable spill or release can be reported by calling 800-424-8802 and will require the following information:

1. Caller's name
2. Company name
3. Company phone, address, city, county, state, and zip
4. Are you the spiller?
5. Who is the spiller (Company name)?
6. Spiller's data (address, phone, etc.)
7. Spill date and time
  - a) Discovered after the fact?
  - b) Directly observed?
8. Spilled material?
9. Total quantity spilled/released (to the environment)?
10. Source and cause of release?
11. Affected medium (air, water, soil)?
12. Possible health risks?
  - a) Injuries?
  - b) Fatalities
13. Precautions such as evacuation?
14. Response actions (clean up)?
15. Anyone else notified?

After you have provided this information, you will be given a case number and the name of the case officer, which should be recorded in your reporting of the spill or release. The National Response Center forwards the information to appropriate EPA Regional offices. A follow-up written notice must be made confirming action taken during the emergency.

## **SECTION 9.0**

## **FRIABLE ASBESTOS RELEASE PROCEDURES**

### **9.1 FRIABLE ASBESTOS RELEASE QUICK REFERENCE SUMMARY**

If during the course of unloading or burying of friable asbestos waste there is a significant (greater than (1) pound) spill or release of friable asbestos, the following actions must be taken:

1. All personnel must move upwind of the asbestos spill.
2. A supervisor shall be notified who will in turn notify
  - the Operations Manager; and
  - the Environmental Protection Manager

Either of whom will notify an outside contractor to coordinate the cleanup activities.

- NOTE: If an asbestos spill has occurred outside of Asbestos Area, the material will need to be bagged by trained personnel fitted with an appropriate mask using double (two bags, each a minimum 6 mil thick) bags and transported to Asbestos Area for immediate burial, by appropriate personnel.
3. Once the contractor has contained the asbestos material, site personnel will be allowed to re-enter the area.
- A Special Occurrence Log should be completed by the Environmental Protection Manager or a supervisor. The Environmental Protection Manager and/or District Manager will determine whether external reporting is required (i.e., if the RQ/Reportable Quantity of 1 lb. was exceeded). Refer to Section 8.5 for details on the reporting process.

## **SECTION 10.0 MEDICAL EMERGENCY PROCEDURES**

### **10.1 MEDICAL EMERGENCY QUICK REFERENCE SUMMARY**

Medical emergencies are best handled by trained personnel. The ALRRF will have at least one person per shift with a current certificate in first aid and CPR. These people are to be contacted in the event of medical emergencies. The telephone numbers of the local fire and police departments, as well as the nearest hospital shall be posted near the telephone in all manager's and supervisor's offices.

#### **SERIOUS OR LIFE THREATENING INJURIES**

- Call 9-911, inform the dispatcher of the type of emergency & location, and directions to ALRRF.
- Notify the On Duty Supervisor and Site-Wide and/or Facility E.C..
- Deploy a supervisor or other site staff person to stand by at the site entrance to direct the emergency vehicle.
- Contact all employees trained to respond to medical emergencies and direct them to the emergency location.

#### **MINOR INJURIES**

- All minor injuries shall be immediately reported to the employee's supervisor.
- The Supervisor will ensure that the employee receives the appropriate first aid or medical attention by contacting an employee certified in first aid and CPR and/or directing the employee to the nearest medical clinic.

#### **MEDICAL & FIRST AID EQUIPMENT**

- Table 4 lists the location of site medical equipment and supplies.

#### **ALL INJURIES**

- Employees and Supervisors shall complete the site Incident Report and any other requires forms and paperwork as required by site policy.
- The Supervisor will contact the company insurance provider as required by site policy.

#### **SITE-WIDE EMERGENCY COORDINATOR RESPONSIBILITIES**

- Notify the fire department;
- Go to the area where the emergency exists;
- Contact the nearest first aid certified employee;
- Evaluate the need for outside assistance;
- Notify the Emergency Team members of the emergency (see Table 1 for phone #s);
- Stand by to provide assistance as necessary;
- Notify Operations Manager and District Manager if the employee is transported to the hospital;
- Notify Operations Manager and District Manager if a visitor is injured at the site; and
- Ensure required paperwork and internal notifications are done (H&S, payroll, etc.).

#### **EXPOSURE CONTROL PLAN (Blood borne Pathogens)**

- The Exposure Control Plan (ECP) for blood borne pathogens is located in the Operations Dept.
- The ECP details how the site is to work with a medical provider to get post-exposure shots for any employee potentially exposed to blood borne pathogens (e.g., by contact with blood).

## **SECTION 11.0      EARTHQUAKE EMERGENCY PROCEDURES**

### **11.1    EARTHQUAKE EMERGENCY QUICK REFERENCE SUMMARY**

#### **KEEP CALM**

- Do not run or panic.

#### **REMAIN AT YOUR LOCATION**

- If indoors, stay indoors. Most injuries occur as people are entering or leaving buildings.

#### **IF INDOORS**

- Take cover under a desk, heavy table or bench, or against walls and doorways.
- Stay away from glass, windows, and outside doors.
- Do NOT use candles, matches, or open flames either during or after the tremor.

#### **IF OUTDOORS**

- Move away from buildings and utility wires. Extinguish all fires.

#### **IF IN MOVING VEHICLE**

- Stop and stay inside the vehicle
- Avoid stopping near or under buildings, overpasses, and utility wires.

#### **AFTER THE EARTHQUAKE**

- Be prepared for "aftershocks" and for evacuation (if called for)
- ONLY USE TELEPHONE FOR ESSENTIAL EMERGENCY PURPOSES

#### **MANAGEMENT WILL:**

- Address injuries and orderly evacuate to Evacuation Location areas (see Plate 1A)
- Continue to monitor radio for latest information from local authorities
- Check water, gas and electrical lines and valves for damage or leaks
- If electrical wiring is shorting out, shut off current at main box
- Assure sewage lines are intact before using sanitary facilities
- Restrict access to downed power lines or objects in contact with downed power lines
- Check ground surfaces for cracks or slope failure.
- Check environmental control systems (e.g., landfill gas extraction, monitoring wells, etc.) for drainage or leaks.
- Check storage tanks, piping and secondary containment for damage or leaks.



## **11.2 EARTHQUAKE GENERAL INFORMATION**

Earthquakes typically offer very little or no advance warning. Casualties usually occur as a result of falling objects and debris, splintering glass, and fires. Fire exposures are particularly increased by ruptured gas and electrical lines and aggravated by damaged water mains and fire suppression systems. Coastal areas may be affected by waves (tsunamis) that could be caused by near or distant earthquakes.

Several different types of natural disasters will often occur together to seriously increase the need for protective and response measures. For example, an earthquake may cause fires, injuries, spills, or explosions. While this section describes the steps to take for a major natural disaster, other response activities are covered elsewhere in this Plan. Other sections of this Plan that may be relevant during or after an earthquake include sections on Fires, Medical Emergencies and Evacuation.

The actions listed here are general in nature and supplement specific local government programs and existing plans that are more comprehensive. All personnel should learn the significance of and response to community warning signals. Portable radios will be available to monitor the status of an emergency.

Natural disasters can occur in many forms, but all generally affect large areas and many people in a relatively brief period of time. Consequently, a considerable strain is put on local government support agencies (fire, police, civil defense) such that individuals and companies must accept responsibilities for self-protection and recovery.

## **11.3 EARTHQUAKE PREPARATION AND RESPONSE (During & Post)**

### **A. PREPARATORY ACTIVITIES**

Most preparatory activities for an earthquake involve careful design and construction, good maintenance, and thorough training. Other preparatory activities include:

1. bolting down water heaters and gas appliances;
2. checking the integrity and flexibility of gas and electrical connections;
3. placing large and heavy objects on lower shelves, and securely fastening shelves to walls;
4. bracing or anchoring other high or top-heavy objects;
5. storing bottled goods, glass, and other breakables in low or closed cabinets;
6. anchoring hanging objects such as overhead lighting fixtures; and
7. keeping on hand batteries, portable radios, flashlights, drinking water, nonperishable foods, and a sufficient number of fire extinguishers and first aid kits.

## **B. DURING AN EARTHQUAKE**

1. Keep calm. Do not run or panic.
2. Stay where you are. If indoors, stay indoors. Most injuries occur as people are entering or leaving buildings.
3. If indoors, take cover under a desk, heavy table or bench, or against walls and doorways. Stay away from glass, windows, and outside doors.
4. Do not use candles, matches, or open flames either during or after the tremor. Extinguish all fires.
5. If outdoors, move away from buildings and utility wires.
6. If in a moving vehicle, stop but stay in the vehicle. Avoid stopping near or under buildings, overpasses, and utility wires.

## **C. AFTER AN EARTHQUAKE**

1. Be prepared for additional tremors or "aftershocks."
2. Address injuries and orderly evacuations as specified under the relevant sections of this Plan.
3. Continue to monitor radio for latest information on the emergency from the local authorities.
4. Check water, gas and electrical lines and valves for damage or leaks.
5. Check ground surfaces for cracks or slope failure.
6. Check environmental control systems (e.g., landfill gas extraction, monitoring wells, etc.) for drainage or leaks.
7. Check storage tanks, piping and secondary containment for damage or leaks.
8. Assure that sewage lines are intact before using sanitary facilities.
9. Restrict access to downed power lines or objects in contact with downed lines. If electrical wiring is shorting out, shut off current at the main box.
10. Use telephone only for essential emergency purposes.

## **11.4 POST-EARTHQUAKE INSPECTION PLAN**

### **11.4.1 POST - INSPECTION PROCEDURES**

If significant ground motion from a major earthquake occurs (greater than 5.0 Richter Magnitude) within a 25-mile radius of the landfill or 6.0 Richter Magnitude or greater earthquake within 50 miles at the site during working hours, the Site or Facility E.C. will implement the following procedures. The facility entrance will be secured with access controlled until an initial site inspection is completed. If the earthquake occurs during non-business hours, the site will remain secured, the Facility E.C.s will be notified and will immediately report to their facilities to implement the procedures outlined in the Post-Earthquake Inspection & Corrective Action Forms (Appendix B).

#### **11.4.2 INSPECTION TEAM SAFETY**

The Inspection Team's safety is of the utmost importance while conducting the site inspection. At a minimum, the following general safety procedures should be adhered to while conducting the post-earthquake inspection.

The site inspection shall be conducted utilizing the "Buddy System" if possible. If more than one inspection team is dispatched by the E.C., each team will consist of a minimum of at least one site employee familiar with this Plan.

Inspection team members will be outfitted with the following safety equipment: hardhat, safety boots, safety vest, safety goggles, gloves, flashlights (if inspection is conducted during hours of darkness) and a two-way communication radio per team.

If the inspection team encounters odors in and around equipment or cracks in the refuse cells, these areas will be noted on Form 1-A and revisited with a combustible gas analyzer to determine the level and exact location of vapor emanating from the landfill surface.

#### **11.4.3 INSPECTION RESULTS REPORTING**

During the inspection, the Post-Earthquake Inspection Checklist (Form A) should be completed. The inspection checklist includes visual inspection of those areas discussed above. The Inspection Team shall report all observations to the E.C. or the alternate, no matter how minor or insignificant they may appear. All inspection observations should be written in detail on the Earthquake Damage Report Form (Form B). These forms are included in Appendix B.

#### **11.4.4 CORRECTIVE ACTION PLAN**

Appropriate corrective action will be implemented for any damages noted. Corrective action activities will be monitored and recorded on the Earthquake Damage Repair Tracking Form (see Appendix B).

#### **11.4.5 NOTIFICATION AND REPORTING PROCEDURES**

The E.C. has the primary responsibility for all reporting and notification activities implemented as a result of a major earthquake. These responsibilities include the gathering of information regarding the condition of the site facilities and personnel from the inspection team. This information will be analyzed to help the E.C. to determine the best course of action in implementing the Plan.

The E.C. will notify those emergency response agencies and other entities necessary, immediately proceeding the event or within 72 hours (See EMCP Table 2), eliminate any hazard threats to site personnel or public health and safety, and to bring the site back to normal operations.

Following major earthquakes, a report of the inspection shall be submitted to the RWQCB within 30 days after the inspection assessing any damage and contain proposals to repair or replace any damaged structures or facilities. The LEA and the RWQCB will also be notified of the corrective actions implemented to repair earthquake damage (Form C, Appendix B). Additionally, Table 2 of Appendix A includes notification and reporting information in addition to those agencies included in this section.

The E.C. will compile all of the information from the Inspection Team into one report package. This information will be maintained on-site and forwarded to the LEA and RWQCB for their review and records. In addition to the information on the inspection forms (Forms A, B, and C), the E.C. will also record and include the following information in the report.

- Name, address, and telephone number of owner or operator.
- Name, address, and telephone number of facility.
- Date and time of the incident.
- Name and quantity of material(s) involved.
- Extent of injuries.
- General comments or observation.
- Assessment of actual or potential public health or environmental hazards, if applicable.
- Estimated quantity and disposition of recovered waste materials resulting from the incident.
- Any off-site migration of wastes.
- Actual or potential off-site public health or environment hazards assessment.

## **SECTION 12.0 BOMB THREAT EMERGENCY PROCEDURES**

Bombs and the threat of their use is a common tool of terrorists and criminal extortionists, but most frequently this occurs by employees, ex-employees, and others with real or imagined grievances against an employee or the company.

The vast majority of bomb threats are threats only, with no actual or intended explosive device. The desired effect of such a threat is to extort, embarrass, disrupt, frustrate, panic, or cost the targeted manager or operation. On the other hand, enough actual bombings occur to warrant prudent planning and minimum safeguards.

This section of the EMCP deals with preventive measures and proper and safe handling of actual threats.

### **12.1 PREVENTIVE MEASURES**

- The most basic preventive measures are properly securing a facility so that an explosive device cannot be easily placed without detection.
- A higher probability of bombs or bomb threats due to a history of past threats, a neighborhood or community trend, or a situation involving a particularly vengeful individual may warrant more extensive measures such as more stringent security, training programs, package inspections, more involved search and evacuation procedures, and recorders on appropriate phones. High probability also warrants more contact with local law enforcement authorities.
- In any case, local law enforcement agencies can often provide support such as pamphlets, training, and assistance with planning. Many departments have bomb control and disposal specialists who can offer extensive support.

### **12.2 HANDLING THE RECEIVED BOMB THREAT**

#### **WHEN THE THREAT IS CALLED IN**

1. Keep the caller on the line as long as possible. If possible, record the conversation. Use the Bomb Threat Call Checklist in Appendix B during the call to note all relevant information.
2. If not indicated, ask the caller for the location of the bomb and the time of possible detonation.
3. Inform the caller that the building is occupied, and the detonation of a bomb could result in death or serious injury to many innocent people.
4. Pay particular attention to peculiar background noises such as running motors, music, and any other noises which may give clues as to the location of the caller.
5. Listen closely to the voice (male or female), voice quality (calm, excited), accents, unique phrasing, and speech impediments. Does this voice immediately remind you of a certain individual? If so, list that.

6. Report the call and any gathered information immediately to the Site-Wide E.C. or District Manager.
7. The Site-Wide E.C. or District Manager will notify local police and fire departments.

#### **WRITTEN THREATS**

- (1) Save all materials, including any envelopes or containers.
- (2) Once the message is recognized as a threat, additional unnecessary handling should be avoided. Every possible effort must be made to retain evidence such as fingerprints, handwriting or typing samples, paper, and postal marks which are essential to tracing the threat and identifying the writer.
- (3) Report the threat immediately to the Site E.C..
- (4) The Site-Wide E.C. will notify the local fire and police departments.

#### **THREAT ANALYSIS**

A determination should be made as to the credibility of the threat. For example, authentic threats tend to be more specific as to time and location, while false threats tend to be very vague and general.

This analysis should be made with the close direction and assistance of the police or fire departments. In making this analysis, consider:

- time of day and day of the week; mode (telephone, mail);
- specificity of threat (place, time);
- identity of caller (child, drunk, known prankster, etc.); and
- possibility of access to allow placement of explosive device.

#### **THREAT RESPONSE**

Essentially, the proper response to the threat may be to:

- ignore the warning;
- conduct a limited search of a specific area;
- conduct a general search of the facility;
- order limited evacuation of a particular area; or
- order a general evacuation.
- See the Evacuation Procedures section of this plan for site evacuation procedures.

### **12.3 SEARCHES**

The decision to search for a possible bomb should be carefully made with the close direction and support of the police or fire departments. Such a decision may be made when there is some possibility of the actual placement of an explosive device, and when there is reason to believe that it will not explode soon.

The best search team is made up of volunteers who are familiar with the search area working along with trained fire or police department personnel. Specific search areas should be assigned to each searcher or search team. The Site-Wide EC and law enforcement personnel should coordinate from a central location to allow for easy reporting back from the searchers.

The searchers should look for:

- threatening labeling such as "danger", "explosive";
- an item that fits the threat description;
- an item that appears to be "out of place" or unrecognized; and
- an object making strange noises.

The searchers should carefully check:

- nearby entrances (inside and outside of doors);
- nearby exits;
- around and in waste receptacles; and
- in restrooms, phone booths, store rooms, closets, stairwells, hallways, and in nearby vehicles.
- Above all, DO NOT TOUCH suspected items. These should be immediately reported to the Site E.C. and police.

## **SECTION 13.0      NATURAL DISASTERS EMERGENCY PROCEDURES**

### **13.1    FLOODS**

Flooding can be caused by storms, melting snows or other natural disasters. The National Oceanic and Atmospheric Administration (NOAA) issues flood forecasts and warnings through local government emergency operations and by local radio and television stations. The warning tells the expected severity of flooding (minor, moderate or major), the affected body of water, and when and where the flooding will begin.

#### **A. FLASH FLOOD WATCHES AND WARNINGS (issued by National Weather Service)**

- (1) A Flash Flood Watch indicates that flash flooding is possible within a designated watch area.
- (2) A Flash Flood Warning is issued when a flash flood has been reported or is imminent. Immediate action should be taken to protect personnel.

#### **B. BEFORE THE FLOOD**

- (1) Determine how many feet the property is above or below possible flood levels. Know where the high ground is.
- (2) Keep a supply of batteries, flashlights, and portable radios on hand.
- (3) Keep materials such as sandbags, plywood, plastic sheeting, and lumber available for emergency waterproofing.
- (4) Store drinking water in closed clean containers.
- (5) If time permits, move essential equipment and furniture to upper floors or levels. Disconnect electrical equipment that cannot be moved. Extinguish ignition sources.
- (6) Move vehicles and hazardous materials to high ground.
- (7) Secure tanks that may float.

#### **C. DURING THE FLOOD**

- (1) Avoid areas subject to sudden flooding.
- (2) Do not attempt to cross a flowing stream where water is above the knee.
- (3) Refer to other sections of this EMCP for other information as needed (e.g., medical emergencies, evacuation, etc.).
- (4) If evacuation occurs and there is time, secure the facility by anchoring floating items and locking doors and windows.



#### **D. AFTER THE FLOOD**

- (1) Do not use fresh food that has come in contact with flood waters.
- (2) Test drinking water for potability.
- (3) Do not handle live electrical equipment until it has been dried and checked.
- (4) Use battery-powered flashlights or lanterns, not oil or gas lanterns or torches, to examine buildings.
- (5) Do not attempt to drive over a flooded road. The depth of water is not always obvious.

#### **13.2 TORNADOES OR VIOLENT WINDSTORMS**

Although tornadoes are rare in the Western United States, the following general information will be useful in the event of a violent windstorm. A tornado is a violent storm with whirling winds of up to 300 miles per hour. It appears as a rotating, funnel-shaped cloud, from gray to black in color, which extends toward the ground from the base of a thunderstorm.

##### **A. NOTICE**

Typically, little advance warning is provided for tornadoes and personnel must respond quickly. Notice will usually come by:

- observation by trained observer or individual who sees warning signs or an actual funnel;
- a Tornado Watch issued by the Weather Service when conditions exist that may cause a tornado to occur in or near the area; and/or
- a Tornado Warning which indicates that an actual tornado has been sighted visually or by radar in the vicinity.

##### **B. MONITORING**

The Site-Wide E.C. will designate a primary and back-up person to act as a Weather Monitor. The Weather Monitor will monitor the weather radio whenever a tornado watch is in effect for the area.

- When a Tornado Warning is issued for the area, the Weather Monitor will move to a safe location to watch the skies for tornadoes and continue to monitor the radio.
- When a tornado is sighted, the Weather Monitor will immediately notify the Site-Wide E.C. and move to shelter or other place of safety as described below.

### **C. SHELTER**

Shelters should be below grade, or if not feasible, above grade in an area without windows and of substantial construction. Fire stairwells and washrooms are examples of appropriate shelter areas.

- Interior corridors are less desirable as past incidents indicate they can become filled with flying debris.
- If the above shelters are not readily available, cover should be sought under heavy furniture, on the lowest floor and away from windows and glass doors. All office trailers will be evacuated and personnel will move to a more permanent shelter or to a ditch.
- Personnel who are outdoors and cannot get to shelter should seek a low-lying area, ditch, or depression and lie flat. Leave vehicles and seek shelter or low-lying areas.

### **D. TRAINING/EDUCATION**

Because tornadoes occur so infrequently in the West, this tornado response section will be reviewed on an as-needed basis.

## **13.3 HURRICANES**

Hurricanes occur infrequently on the West Coast; however, employees should be informed of basic response information. Hurricanes provide some advance warning of their approach. Do not ignore or minimize warnings. Such neglect could have catastrophic consequences; therefore, Company personnel must plan and train for these events.

### **A. NOTICE**

The National Weather Service issues advisories on the location, strength, and movement of hurricanes and tropical storms. It issues the following notices:

- A Hurricane Watch means that a hurricane may threaten coastal and inland areas, and that hurricane conditions are a real possibility. Persons in the areas of a Watch should listen for further advisories.
- A Hurricane Warning is issued when a hurricane is expected to strike the area within 24 hours. Such warnings may also include an assessment of flood danger, small craft warnings, gale warnings for the storm's periphery, estimated storm effects, and recommended emergency procedures.

### **B. PREPARATORY ACTIVITIES**

If there appears to be time, the following steps should be taken:

- (1) Gather emergency equipment.
- (2) Construct shutters or other special covers for equipment as necessary. Place the shutters, covers and supplies in a designated area which is readily accessible. Ensure that all personnel are aware that this material is for use during hurricanes and that the material is not available for routine use.

(3) Thirty-six hours prior to landfall:

- Secure all miscellaneous materials and equipment, including stacks, signs, tanks, and other items; and
- Lumber, metal pipe, cans, furniture, small signs, Port-O-Lets, and anything else that could blow should be placed inside or wired down by #9 wire with stakes driven at least 18 inches into the ground, at 6-ft. intervals.
- MOST DAMAGE IS DONE BY UNSECURED ITEMS BLOWING INTO BUILDINGS OR EQUIPMENT.

(4) Twenty-four hours prior to landfall:

- Secure all trailers and temporary buildings by commercial anchors set as prescribed by manufacturer;
- Move personnel, computers, office equipment, vital records, etc. from trailer offices to more substantial structures;
- Ensure that auxiliary power units are functioning and ample fuel is available. Power may be out for several days; and
- Check battery-powered equipment such as radios, flashlights, back-up lighting, etc.

(5) Sixteen hours prior to landfall:

- Cover all electric motors, switch gear, and critical equipment that must be used to operate site with plastic, then tape and secure from high wind and rain;
- Clear low-lying areas that may be swept by high tides, waves or flooding; and
- Stock food, water, portable lights, blankets, cots, and rope for personnel who must remain on site. Set up a control center.

(6) Twelve hours prior to landfall:

- Cover all critical records and filing cabinets with plastic. If flooding is a threat, raise cabinets off floor or place lower drawers on tables or shelves and cover well with plastic and tape;
- Disconnect power from critical laboratory seal in plastic with a supply of drying instruments out of service if feasible;
- Disconnect power from office machines, computers, TV's, training video equipment, and all other electrical equipment;
- Move items off floor and wrap in plastic;
- Plan the time required for these activities to avoid a last minute rush;
- Keep essential vehicles and equipment fully fueled;
- Assign an individual to monitor a portable radio to keep track of the storm's progress;

- -Leave critical computers on until four hours prior to a hurricane coming on-shore. All supplies for securing should be close at hand, and personnel should be on duty to secure equipment. Equipment will be secured prior to personnel leaving location; and
- Board up any critical windows in rooms where critical files, records, or equipment are located. Shutters should already be cut and fitted, and fasteners on hand.

(7) Eight hours prior to landfall:

- Send nonessential personnel home. Ensure that personnel who will remain on site have had time to take care of families and secure their homes.

(8) Four hours prior to landfall:

- Perform last checks on communications systems and auxiliary power units.

(9) Hurricane comes on-shore:

- Litter control: cover active area;
- Secure vehicles and equipment; and
- Check drainage systems.

**C. SHELTER**

- Remain indoors during the hurricane. Blowing debris can injure and kill. See the "Tornadoes" section of this plan for more on shelter during strong winds.

## **SECTION 14.0 DEMONSTRATION/STRIKE EMERGENCY PROCEDURES**

Disruptions of normal operating activities due to demonstrations and work stoppages do occasionally occur. Fortunately, most of such activities are relatively peaceful and have the overall effect of only slowing down or somewhat interfering with operations. At times though, incidents which may cause injuries or property damage also do occur. In any case, careful planning and preparation will make these situations less threatening.

ALRRF is operated by Local 6 of the Warehousemen's Union. Hauling in Company vehicles is done by members of Local 70 of the Teamsters Union. Mechanics are members of Local 1546 of the Machinists Union.

In case of a strike by one union, the others would probably honor the picket line and most operations would shut down.

If the San Francisco Transfer Station drivers did not honor the picket line, the ALRRF could continue to receive loads from San Francisco using management personnel to operate the equipment.

If a strike by WMAC hauling employees cause an increase in use of the ALRRF by the general public, these wastes could be handled by using management personnel to operate the equipment.

### **14.1 PREPARATORY ACTIVITIES**

Being attuned to community and employee attitudes, to activities of local activist groups and to union activities can usually provide anticipation of some organized activity being planned. Some basic planning activities should take place when there is reason to believe that an organized activity may occur.

#### **A. CORPORATE RESOURCES**

Support in this planning can be provided by Employee Relations and Security for strikes, and by Corporate and Public Affairs, Community Relations, Legal and Security for demonstrations.

#### **B. CHECKLIST**

The following is a checklist for consideration during the planning for an organized disruption. The amount and degree of measures taken will depend on the anticipated length, size, nature, and level of violence/vandalism anticipated.

##### **Site Security Checklist**

- Minimum three (3) foot clearance on both sides of perimeter fences to allow for a clear line of sight.
- Metal fencing securely attached to posts.

- "No Trespassing" signs posted along all fence and/or property lines.
- Existing lighting is functioning.
- Areas around buildings, gates, pumps, vehicles, etc. are adequately lighted.
- Employee and contractor vehicles will be parked in a secured location.
- Perimeter door locks and gate padlocks can be changed within 24 hours. No keys are left in vehicles.
- Tools are available to cut, punch, or remove unauthorized locks, plates, bars, etc.
- All containers, waste receptacles, pallets, and any other flammables are removed from perimeter and any exposed areas.
- All truck and support radios are functioning properly.
- Logs are available at facilities and in key vehicles to record incidents.
- Fuel pumps, propane tanks, and electrical transformers are shielded to the best possible extent.
- Meet with affected law enforcement agencies to discuss the situation and determine the amount of support to be expected.
- Purchase or borrow binoculars, video and still cameras and a sufficient supply of film.
- Assign management personnel to observe employees at quitting time on last day before strike to watch for sabotage.
- Trucks are parked as far as possible from the perimeter and are faced away from the nearest perimeter line.
- A reputable security guard firm has been contacted to provide support before and during the incident.
- A list with telephone numbers should be compiled to include:
  - local sources of medical services and supplies; tire and parts suppliers;
  - sources of tools, fuel, replacement glass, board-ups, catering and towing; radio equipment and service;
  - affected post offices, police and fire departments and municipalities;
  - individuals who will be allowed access (with telephone numbers or Social Security Numbers);
  - hotels; and
  - car and van rentals.

### **General Items Checklist**

- One person has been designated as media spokesperson.
- A procedure has been developed for car-pooling or van-pooling personnel onto the site.
- Appropriate Group and Corporate Departments have been notified.
- On-site responsibilities have been assigned and work shifts have been planned.
- Travel and lodging arrangements have been made for out-of-town support personnel.
- A list of employees' and regular contractors' vehicles with descriptions and license numbers has been made up.

### **C. SPECIFIC TO DEMONSTRATIONS**

Organized activities against the operations can take the form of demonstrations, disruptions of hearings and other public meetings, trespassing, blocking of gates, vandalism, sabotage of an operation or some infiltration of the work force.

Specific steps that can be taken in preparing for these activities may include:

1. A training or awareness program for site personnel that:
  - explains the concerns in a non-alarming manner;
  - reassures them of the care in protecting the environment;
  - outlines proper response and reporting duties;
  - emphasizes restraint; and
  - explains existing and planned security measures.
1. An outline of legal steps and resources (e.g., injunctions) that can help normalize the situation.
2. Physical security measures that might include:
  - using alternate means of access and egress when gates are blocked;
  - blocking off or locking tanks, stacks, and other tall or conspicuous structures;
  - locking critical areas such as control rooms, monitoring equipment, pumps, utilities, water intakes and outlets, valves, etc.;
  - increasing perimeter tours with an emphasis on watching for suspicious persons, parked vehicles, photographers, signs of trespassing, etc.;
  - using portable still and video cameras kept on site to record disruptive activities; and
  - using a code to notify appropriate site personnel by means of the PA and/or radios.

## **14.2 RESPONSE ACTIVITIES**

- The principal goals in responding to these situations should be the protection of personnel, property, and reputation in a manner that is not overly-reactive or disruptive. An overly aggressive response of arrests and surly security personnel may aggravate the situation and play to negative media coverage.
- Picketers should be given sufficient time and space to peacefully express themselves. Employees and contractors should understand that they should not react angrily to threatening or insulting words or actions. Police should assist by keeping the peace, but should be directed not to use excessive force.
- An escalation in the activities that results in criminal activities, injuries or property damage should be handled in a firm but rational manner. Police authorities as well as Corporate and Group representatives should offer on-site support in these responses.
- Questions regarding procedures and their applicability should be directed to the Corporate Security Department.



## **SECTION 15.0 SUSPICIOUS MAIL EMERGENCY PROCEDURES**

### **15.1 WM GUIDANCE ON REDUCING RISK WHEN HANDLING MAIL**

- On the following page is a copy of an information poster provided by WM to help reduce the risk to employees when handling mail or delivery packages.
- This information is made available in this plan for employees who regularly handle mail or delivery packages to periodically review.

## **TABLES**

|         |                                                       |
|---------|-------------------------------------------------------|
| Table 1 | ALRRF Emergency Contact Numbers                       |
| Table 2 | ALRRF Agency and Contractor Emergency Contact Numbers |
| Table 3 | ALRRF Radio Equipment                                 |
| Table 4 | Emergency Equipment                                   |
| Table 5 | ALRRF Emergency Action Support Skills                 |
| Table 6 | ALRRF Alarms                                          |
| Table 7 | ALRRF Emergency Team Assignments                      |

## **EMP ATTACHMENTS**

### ***TABLES***

1. ALRRF Site Emergency Contact Numbers
2. ALRRF Agency and Contractor Emergency Contact Numbers
3. ALRRF Radio Equipment Numbers
4. ALRRF Emergency Equipment and Locations
5. ALRRF Additional Emergency Skills Trained Staff
6. ALRRF List of Alarms
7. ALRRF Current Site Emergency Response Team Assignments

TABLE 1

| <b>EMERGENCY CONTACT NUMBERS</b>                          |                                            |                                           |  |
|-----------------------------------------------------------|--------------------------------------------|-------------------------------------------|--|
| <b>Altamont Landfill &amp; Resource Recovery Facility</b> |                                            |                                           |  |
| <b>General #:</b> 455-7300                                | <b>General Site Receptionist:</b> 455-7300 |                                           |  |
| <b>Guard Shack:</b> 455-7319                              | <b>Scalehouse:</b> 455-7312                | <b>24 Hour Information Line:</b> 455-7300 |  |

- Area Code is (925) unless otherwise indicated
- If calling from on-site:
  - Dial the 4 digit extension only for calls to other on-site locations
  - Dial the number "9" first to get an outside line
  - Dial the numbers "9-1" to call long distance, i.e., a different area code

|                                           | <b>Office</b>  | <b>Mobile</b> |
|-------------------------------------------|----------------|---------------|
| <b>Marcus Netz</b><br>District Manager*   | 455-7323       | 428-1556      |
| <b>Brian Tarte</b><br>Operations Manager* | 455-7308       | 216-6000      |
| <b>Sarah Fockler</b><br>EP Specialist*    | 455-7305       | 667-6168      |
| Steven Ramirez<br>Maintenance Supervisor  | 455-7341       | 510-381-7349  |
| <b>Larry LaCerra</b><br>Gas Plant Manager | (209) 855-8200 | 766-9344      |

\*Site-Wide Emergency Coordinators

| <b>Operation</b>                          | <b>Contact</b>                    | <b>Office</b>               | <b>Mobile</b>  |
|-------------------------------------------|-----------------------------------|-----------------------------|----------------|
| <b>Tire Shredder</b><br>(Shamrock)        | Mark Diemunch                     | N/A                         | (209) 969-2882 |
| <b>IC Engines</b><br>(PMI)                | Dante Sansano (Operator)          | 455-7366                    | 805-455-7996   |
|                                           | Tom Reynolds (Operator)           | 455-7366                    | 559-994-1306   |
| <b>LNG Plant</b><br>(Linde)               | Jacob Puksta                      | 371-8181 or 371-0951        | 321-4413       |
|                                           | Benjamin Underhill                | 371-8181 or 371-0951        | 290-5882       |
|                                           | James Smith (Operations Director) | N/A                         | (951) 906-5518 |
|                                           | National Operations Center        | 800-232-4186 (24-hour line) |                |
| <b>Windmills</b><br>(FLP)                 | Rene Culver                       | 925-245-5522                |                |
|                                           | FLP Operations Center             | 925-245-5555 (24-hour line) |                |
| <b>Green Waste Shredder</b><br>(BioFuels) | Mary Sullivan                     | 455-5908                    | (209) 662-4028 |

### OFF-SITE SERVICES & AGENCIES

| <b>Fire-Rescue</b>                                            | <b>Police/Sheriff</b>                                                                                                                                                                                                                                                              | <b>Ambulance</b>                      | <b>24-hr Spill Info</b>                                                         |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------|
| <b>911</b><br>County (Station #8): 447-6611<br>City: 373-5400 | <b>911</b><br>County: 351-2020 (Sheriff)<br>City: 371-4987 (Police)                                                                                                                                                                                                                | <b>911</b><br>AMR West Corp: 373-9103 | Chemtrec: 800-424-9300<br>Cal/OSHA: (510) 622-2916<br>(Serious Accident/Injury) |
| <b>Bay Alarm</b>                                              | <b>Emergency Medical Care</b>                                                                                                                                                                                                                                                      |                                       |                                                                                 |
| <b>Emergency Dispatch:</b><br>938-1212                        | 1) ValleyCare - Occupational Health – 1111 E. Stanley Blvd, Livermore; 373-4162 (8-5p, M-F)<br>2) ValleyCare - Urgent Care – 1111 E. Stanley Blvd, Livermore; 373-4018 (8-10p, M-F)<br>3) ValleyCare Medical Center (ER) – 5555 W. Las Positas Blvd., Pleasanton; 416-3418 (24-hr) |                                       |                                                                                 |

**TABLE 2**

**ALRRF AGENCY and CONTRACTOR**

**EMERGENCY CONTACT TELEPHONE NUMBERS**

- *The #9 must be dialed first from any site land line.*
- *All area codes are (925) unless otherwise specified*

| <b><u>GOVERNMENT AGENCIES</u></b>                                            | <b><u>PHONE</u></b>                             |
|------------------------------------------------------------------------------|-------------------------------------------------|
| <b>Alameda County Environmental Health,<br/>Hazardous Materials Division</b> | (510) 567-6700                                  |
| <b>Alameda County, Office of Emergency Services</b>                          | (925) 803-7800                                  |
| <b>Alameda County Fire (Dispatch Center):</b>                                | (925) 447-6880                                  |
| <b>Alameda County Sheriff's Department:</b>                                  | (925) 351-2020                                  |
| <b>Bay Area Air Quality Management District (BAAQMD)</b>                     | (415) 771-6000                                  |
| <b>CA Department of Forestry</b>                                             | (916) 653-5123                                  |
| <b>CAL OSHA</b>                                                              | (510) 622-2916                                  |
| <b>CA Office of Emergency Services, Coast Region</b>                         | (925) 803-7800                                  |
| <b>Central Valley Regional Water Quality Control Board</b>                   | (916) 464-3291                                  |
| <b>National Response Center, US Coast Guard</b>                              | (800) 424-8802 (spill reporting)                |
| <b>US EPA Emergency Response Line, Region 9</b>                              | (800) 300-2193                                  |
| <b><u>CONTRACTORS</u></b>                                                    | <b><u>PHONE</u></b>                             |
| [for clean up assistance, vacuum trucks, haz waste management, etc.]         |                                                 |
| <b>Denbeste</b>                                                              | (800) 838-1477                                  |
| <b>Clearwater Environmental</b>                                              | (800) 499-3676 (24 hr number)                   |
| <b>NRC Environmental Services</b>                                            | (510) 749-1390<br>(800) 337-7455 (24 hr number) |
| <b>PCS</b>                                                                   | (877) 577-2669 (24 hr number)                   |
| <b>Rain-for-Rent (Portable Tanks)</b>                                        | (925) 679-2803                                  |

### EMP TABLE 3

#### ALRRF RADIO EQUIPMENT NUMBERS

|                    |                 |              |
|--------------------|-----------------|--------------|
| <u>DOZERS</u>      | D9T             | - RADIO      |
|                    | D9T             | - RADIO      |
|                    | D9T             | - RADIO      |
|                    | D8T             | - RADIO      |
|                    | D6R             | - RADIO      |
|                    | D6H             | - RADIO      |
| <u>COMPACTOR</u>   | 836G            | - RADIO      |
|                    | 836G            | - RADIO      |
|                    | 836H            | - RADIO      |
| <u>EXCAVATOR</u>   | 330DL           | - RADIO      |
| <u>HAUL TRUCKS</u> | D400E           | - RADIO      |
|                    | A40E            | - RADIO      |
| <u>SCRAPERS</u>    | 627F            | - RADIO      |
|                    | 627G            | - RADIO      |
| <u>BLADE</u>       | 140G            | - RADIO      |
| <u>LOADERS</u>     | IT28G           | - RADIO      |
|                    | 928H            | - RADIO      |
|                    | 950H            | - RADIO      |
|                    | 950G            | - RADIO      |
| <u>TIPPERS</u>     | Tipper 70       | - RADIO      |
|                    | Tipper 71       | - RADIO - SF |
|                    | Tipper 83       | - RADIO      |
|                    | Tipper 93       | - RADIO- SF  |
| <u>WATER TRUCK</u> | Water Truck 676 | -RADIO       |

**SERVICE TRUCKS**

|     |         |
|-----|---------|
| 611 | - RADIO |
|     | - RADIO |

**LUBE TRUCK**

|     |        |
|-----|--------|
| 619 | -RADIO |
|-----|--------|

**OPERATIONS TRUCKS**

|                  |         |
|------------------|---------|
| Corbell Mini Bus | - RADIO |
|------------------|---------|

**MANAGER'S TRUCKS**

|                             |         |
|-----------------------------|---------|
| Tahoe                       | - RADIO |
| Operation's Manager F250    | - RADIO |
| Operation's Supervisor F250 | RADIO   |
| Maintenance Mgr.            | - RADIO |
| Supervisor                  | - RADIO |
| Gas Tech Manager            | - RADIO |
| Gas Tech                    | - RADIO |
| Gas Tech                    | - RADIO |
| Engineering Explorer        | - RADIO |

**BASES**

|                    |             |
|--------------------|-------------|
| Operations Office  | -Base 1     |
| Admin. Office      | -Base2      |
| Guardhouse         | -Base3      |
| Gas Plant          | - Gas Plant |
| Maintenance Office | - Shop      |

**EMP TABLE 4**  
**ALRRF EMERGENCY EQUIPMENT**

| LOCATION<br>SHOP OR AREA               | PERSONNEL PROTECTIVE<br>& SAFETY EQUIPMENT                                   | EMERGENCY RESPONSE<br>SPILL EQUIPMENT                                                                     | COMMUNICATIONS<br>EQUIPMENT | STRUCTURAL<br>EQUIPMENT             |
|----------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------|
| Admin Building                         | First Aid Kit<br>Safety Vests<br>Hard Hats<br>Burn Ointment                  | Fire Extinguisher<br>Methane Gas Monitors                                                                 | Telephones                  | None                                |
| Compliance Mgr/Tech Mgr Admin Building | Hardhats<br>Safety Vests                                                     | Fire Extinguishers<br>Methane Gas Monitors                                                                | Telephones<br>2-Way Radios  | None                                |
| Sales Office Trailer                   | Hard Hats<br>Safety Vests                                                    | Fire Extinguishers<br>Methane Gas Monitors                                                                | Telephones<br>2-Way Radios  | None                                |
| Maintenance Building                   | First Aid Kit<br>Burn Ointment<br>Hard Hats                                  | Fire Extinguishers<br>Eyewash/Shower<br>Emergency Stretcher<br>Spill Response Kit<br>Methane Gas Monitors | Telephones<br>2-Way Radios  | None                                |
| Scalehouse                             | First Aid Kit/Hard Hats/Safety Vests                                         | Fire Extinguisher<br>Methane Gas Monitors                                                                 | 2-Way Radios<br>Telephone   | None                                |
| Gatehouse                              | Safety Vests<br>Hard Hats                                                    | Fire Extinguisher<br>Methane Gas Monitors                                                                 | 2-Way Radios<br>Telephones  | None                                |
| Employee's Break Room<br>(Trailer)     | First Aid Kit<br>Gloves                                                      | Fire Extinguisher<br>Eyewash/Shower<br>Spill Absorbent<br>Methane Gas Monitors                            | None                        | None                                |
| Hazardous Material<br>Storage Area     | Gloves<br>Dust Masks<br>Safety Glasses                                       | Spill Absorbent<br>Fire Extinguishers                                                                     | Telephones in Sales Office  | Berm/Dikes<br>Metal Storage Shed(s) |
| Gas Plant                              | First Aid Kit<br>Hardhats<br>Burn Ointment<br>Fire Blanket<br>Safety Glasses | Fire Extinguishers<br>Eyewash<br>Sprinklers<br>Spill Response Materials<br>Halon Fire suppression system  | Telephones<br>2-Way Radios  | None                                |
| Main Electrical Switch Box             | None                                                                         | Fire Extinguisher                                                                                         | None                        | None                                |
| Wastewater Treatment Plant             | First Aid Kit<br>Burn Ointment<br>Gloves/Tyeks/Safety Glasses<br>Respirator  | Eyewash<br>Stretcher<br>Spill Response Kit<br>Fire Extinguishers<br>Methane Gas Monitors                  | Telephones                  | Secondary Containment               |



**EMP TABLE 5**  
**EMERGENCY RESPONSE SKILLS**

| 1 <sup>st</sup> Aid/CPR | Water Truck Operators | Water Pull Operators |
|-------------------------|-----------------------|----------------------|
| Tarte, Brian            | Sanchez, Jose         | Canady, Lonnie       |
| Ramirez, Steven         | Rojas, Roger          | Ratto, Peter         |
| Tarver, Ben             | Schauffler, John      | Pangelina, John      |
| Fockler, Sarah          | Pena, Maria           | Castillo, Miguel     |
| Pfister, Jamison        | Canady, Vernon        | Carlton, Francisco   |
| Murillo, Kayola         | Delariva, Mike        | Padilla, Sergio      |
| Sullivan, Mary          | Valdivia, Jose        | Padilla, Rene        |
| Sanchez, Jose           | Pena, Felipe          |                      |
| Castillo, Miguel        | Martinez, Eduardo     | Brown, Ken           |
| Ratto, Peter            |                       |                      |
|                         |                       |                      |
|                         |                       |                      |

- The facility also has various heavy equipment operators on different shifts that are trained to use heavy equipment, which may be used to respond to emergencies (such as dozers).

## EMP TABLE 6

### ALRRF ALARMS

| Device                             | Facility                    | Location Function                       |
|------------------------------------|-----------------------------|-----------------------------------------|
| Permalrt Pipe Containment          | Waste Water Treatment Plant | Waste Water Pipeline                    |
| Domestic Water Hi-Level            | Waste Water Treatment Plant | WWTP Control Room                       |
| Potable Water Hi-Level             | Waste Water Treatment Plant | WWTP Control Room                       |
| Caustic Hi-Level                   | Waste Water Treatment Plant | WWTP Control Room                       |
| Nutrient Hi-Level                  | Waste Water Treatment Plant | WTTTP Control Room                      |
| Filter Press <u>Cycle Complete</u> | Waste Water Treatment Plant | WWTP Control Room                       |
| LCRS/Vadose High Level             | Unit 2                      | Unit 2- East End                        |
| Lower Lift Station High Level      | Lower Lift Station          | LC Pump House (Flare)                   |
| Smoke Detector                     | Gas Plant                   | Control Room                            |
| Smoke Detector                     | Gas Plant                   | Control Room                            |
| Smoke Detector                     | Gas Plant                   | Control Room                            |
| Smoke Detector                     | Gas Plant                   | Office Pull Station                     |
| Heat Detector                      | Gas Plant                   | Fuel Gas Compressors                    |
| Heat Detector                      | Gas Plant                   | <u>Oil Storage</u>                      |
| Heat Detector                      | Gas Plant                   | 21.6 Kv-transformer                     |
| Building Water Flow                | Gas Plant                   | Turbine/Generator Room                  |
| Sprinkler Tamper                   | Gas Plant                   | Turbine/Generator Room                  |
| Heat Detector                      | Gas Plant                   | Turbine/Generator #1                    |
| Heat Detector                      | Gas Plant                   | Turbine/Generator #2                    |
| <u>Pull Station</u>                | Gas Plant                   | <u>Turbine/Generator Room (4 Units)</u> |
| Methane Detector                   | Gas Plant                   | Turbine/Generator #110% LEL             |
| Methane Detector                   | Gas Plant                   | Turbine/Generator #1 25% LEL            |
| Methane Detector                   | Gas Plant                   | Turbine/Generator #2 10% LEL            |
| Methane Detector                   | Gas Plant                   | Turbine/Generator #2 25% LEL            |
| Methane Detector                   | Gas Plant                   | Control Room 10% LEL                    |
| Turbine/Generator Room Sprinkler   | Gas Plant                   | Turbine/Generator Room Fire System      |
| High Liquid Septic                 | Gas Plant                   | Lavatory Room                           |

**EMP TABLE 6 (Continued)****ALRRF ALARMS**

| <b>Device</b>  | <b>Facility</b>        | <b>Location Function</b>         |
|----------------|------------------------|----------------------------------|
| Smoke Detector | Maintenance/Operations | Maintenance Manager's Office     |
| Smoke Detector | Maintenance/Operations | Maintenance/Operations Office    |
| Smoke Detector | Maintenance/Operations | Operations Manager's Office      |
| Smoke Detector | Maintenance/Operations | Restroom Hallway                 |
| Smoke Detector | Maintenance/Operations | Lunch Room                       |
| Smoke Detector | Maintenance/Operations | Foreman's Office                 |
| Smoke Detector | Maintenance/Operations | Electrical Room                  |
| Smoke Detector | Maintenance/Operations | Shop Mezzanine                   |
| Smoke Detector | Maintenance/Operations | Main Shop                        |
| Smoke Detector | Maintenance/Operations | Compressor Room                  |
| Smoke Detector | Maintenance/Operations | Break Room                       |
| Smoke Detector | Maintenance/Operations | Shop Cage Area                   |
| Leak Sensor    | Maintenance/Operations | Septic Tank High Level Alarm     |
| Leak Sensor    | Maintenance/Operations | Potable Water Low Level Alarm    |
| Leak Sensor    | Maintenance/Operations | Processed Water High Level Alarm |
| Security Alarm | Administration         | Sales Trailer                    |
| Security Alarm | Administration         | EMD Building                     |
| Security Alarm | Administration         | Administration Building          |
| Leak Sensor    | Administration         | Septic Tank High Level Alarm     |

**EMP TABLE 7**  
**ALRRF CURRENT SITE**  
**EMERGENCY RESPONSE TEAM ASSIGNMENTS**

| <b>ROLE</b>                                                                                                                                    | <b>PERSON<br/>ASSIGNED</b> | <b>BACK-UP</b>   |
|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------|
| The Investigating Supervisor<br><i>(i.e. the supervisor first contacted/first<br/>responding to employee notification of an<br/>emergency)</i> | Supervisor On Duty         | Any Site Manager |
| Site-Wide Emergency Coordinator                                                                                                                | Marcus Netz                | Brian Tarte      |
| Administration Emergency Coordinator                                                                                                           | Sarah Fockler              | Pam Murillo      |
| Administration Roll Caller                                                                                                                     | Kayola Murillo             | Alisha Ortiz     |
| Maintenance Emergency Coordinator                                                                                                              | Steven Ramirez             | Dave Money       |
| Maintenance Roll Caller                                                                                                                        | Dave Money                 | Steven Ramirez   |
| Landfill Emergency Coordinator                                                                                                                 | Brian Tarte                | Kieran Carroll   |
| Landfill Roll Caller                                                                                                                           | Kieran Carroll             | Terry Medeiros   |
| Gas Plant/WWTP Emergency Coordinator                                                                                                           | Larry LaCerra              | Ben Tarver       |
| Gas Plant/WWTP Roll Caller                                                                                                                     | Larry LaCerra              | Ben Tarver       |

\* The Administration Area Roll Caller (or their alternate or a designee) should put on a vest and control regular and emergency traffic into the site during an emergency.

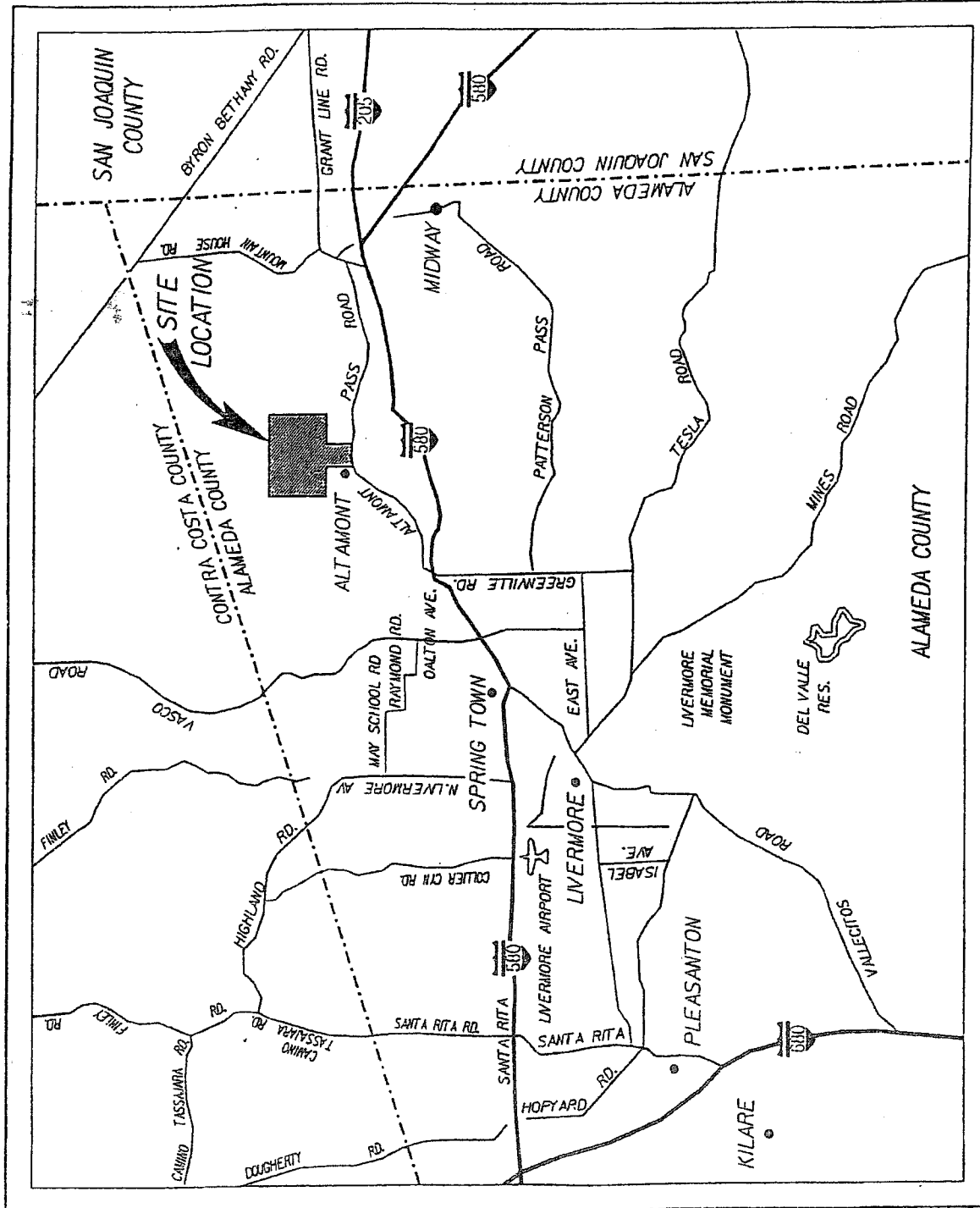
**APPENDIX A**  
**FIGURES AND PLATES**

# **EMCP ATTACHMENTS**

## **APPENDIX A**

### **FIGURES & PLATES**

|          |                                          |
|----------|------------------------------------------|
| Figure 1 | Vicinity and Site Access Map             |
| Figure 2 | Emergency Medical Care Directions        |
|          |                                          |
| Plate 1A | General Site Plan & Evacuation Locations |
| Plate 1B | Site Water Resources                     |
| Plate 2  | Maintenance Facility (Base 1)            |
| Plate 3  | Gas Plant #1                             |
| Plate 4  | Waste Water Facility                     |
| Plate 5  | Administration Area (Base 2)             |
| Plate 6  | Gas Plant #2 and LNG Plant               |
| Plate 7  | Water Supply System Site Plan            |



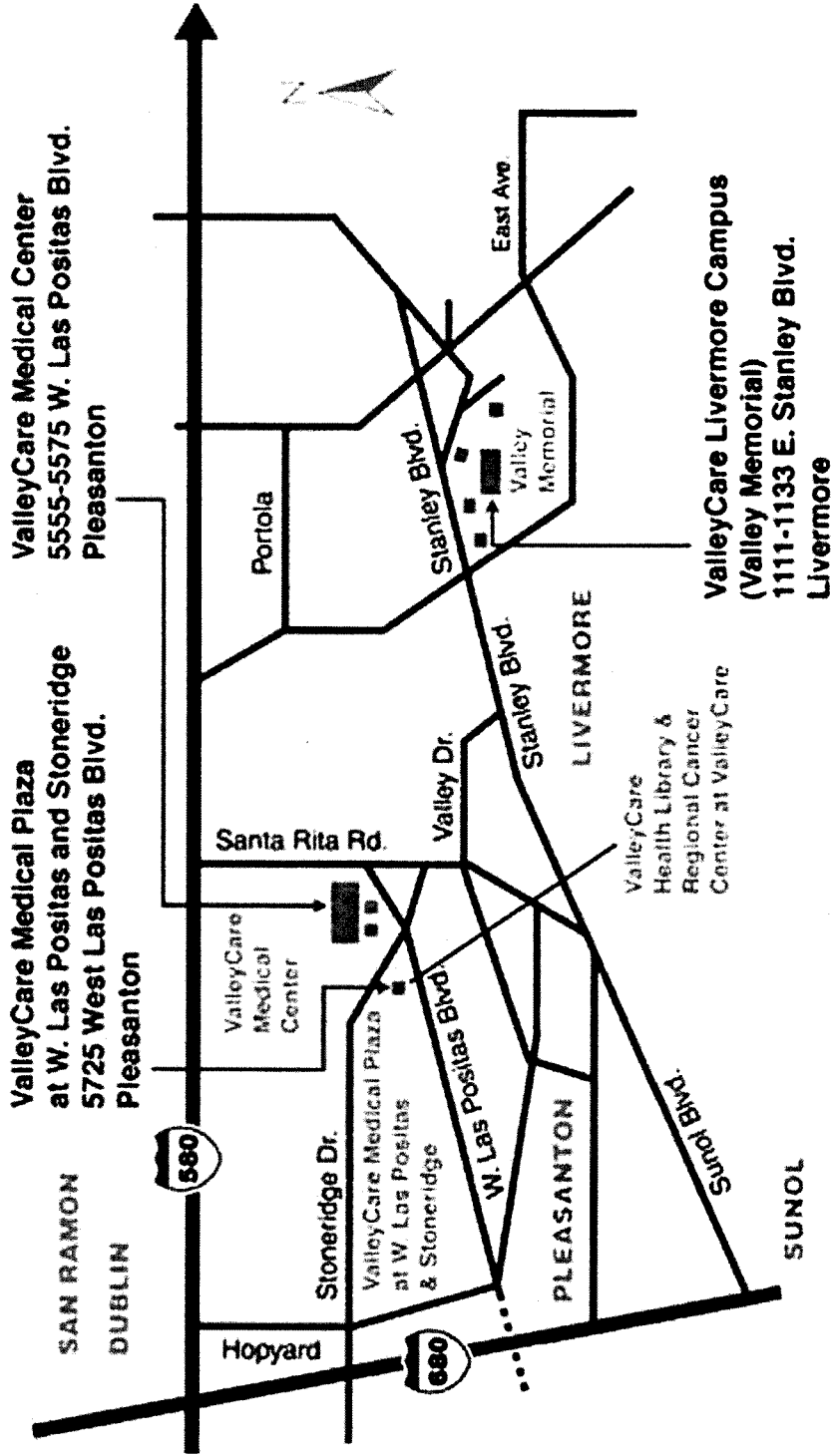
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| Project No. | 69103.100 |
| Date        | JULY 1996 |
| Figure No.  | 1         |

# Altamont Landfill & Resource Recovery Facility Emergency Management and Contingency Plan

## Vicinity and Site Access Map

**RUST** ENVIRONMENT &  
INFRASTRUCTURE

San Jose, California



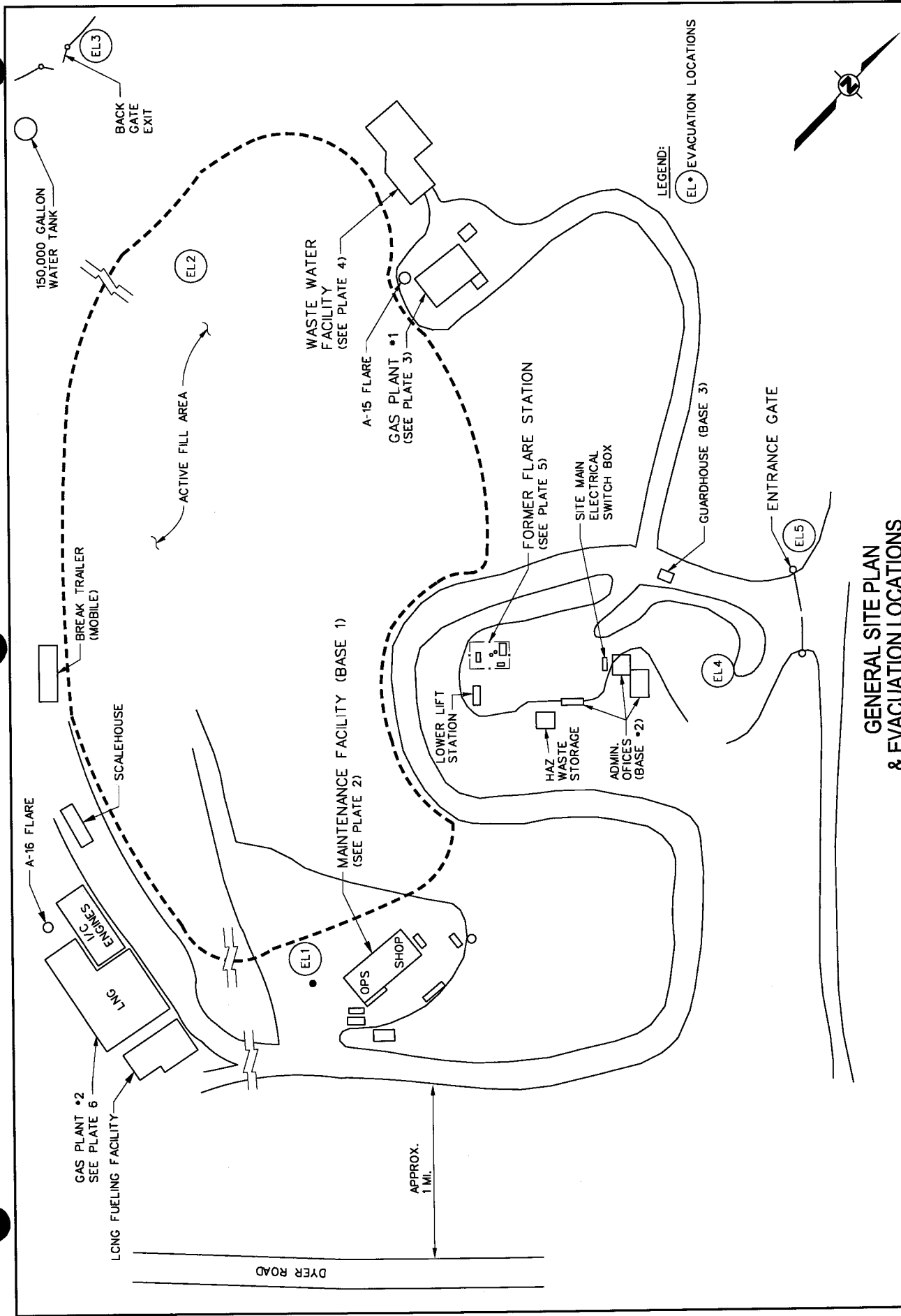
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| Date:                          | Feb. 2012 | 2       |

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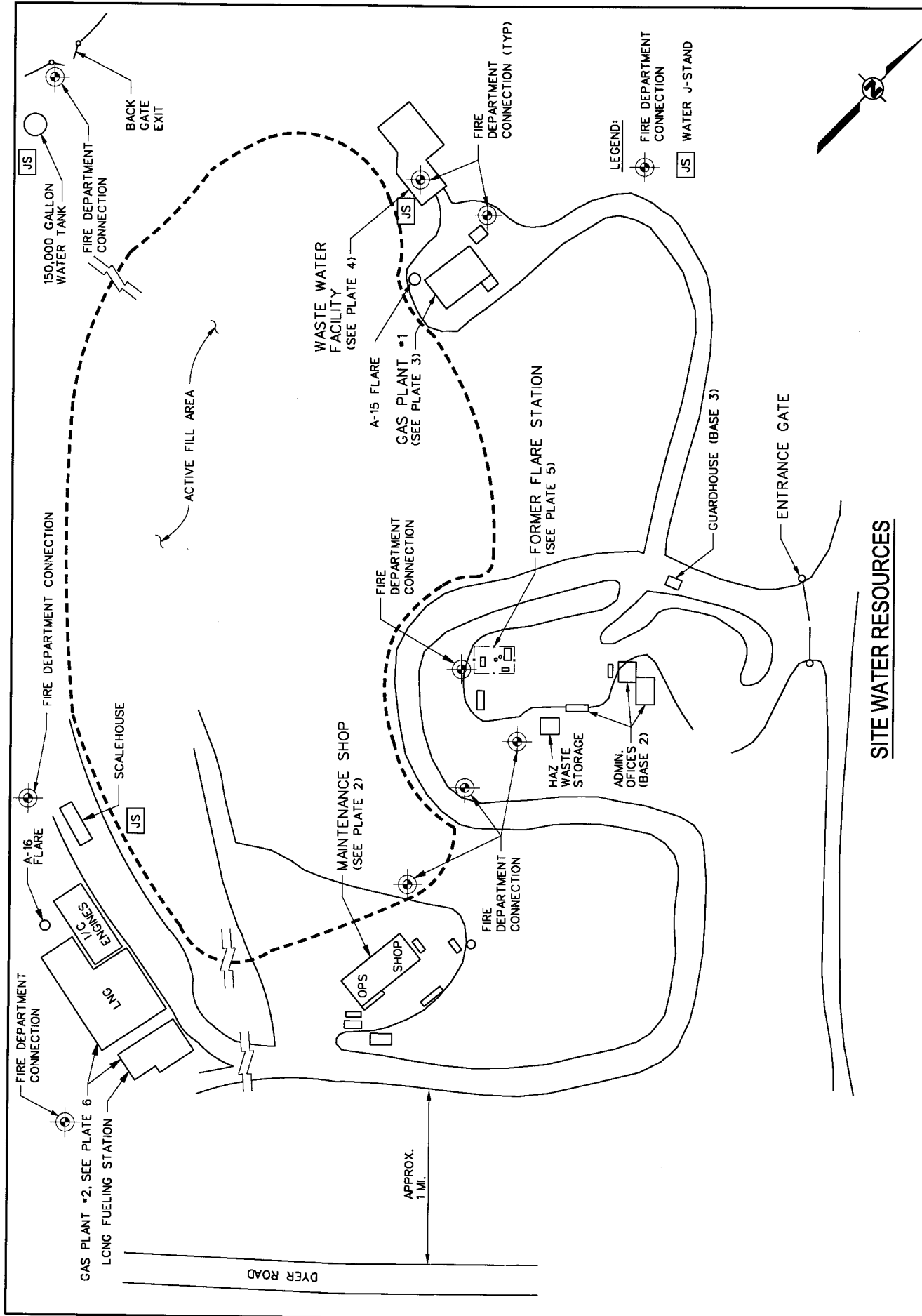


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| Scale:                       | NTS       | PLATE: |
| Date:                        | Feb. 2012 | 1A     |

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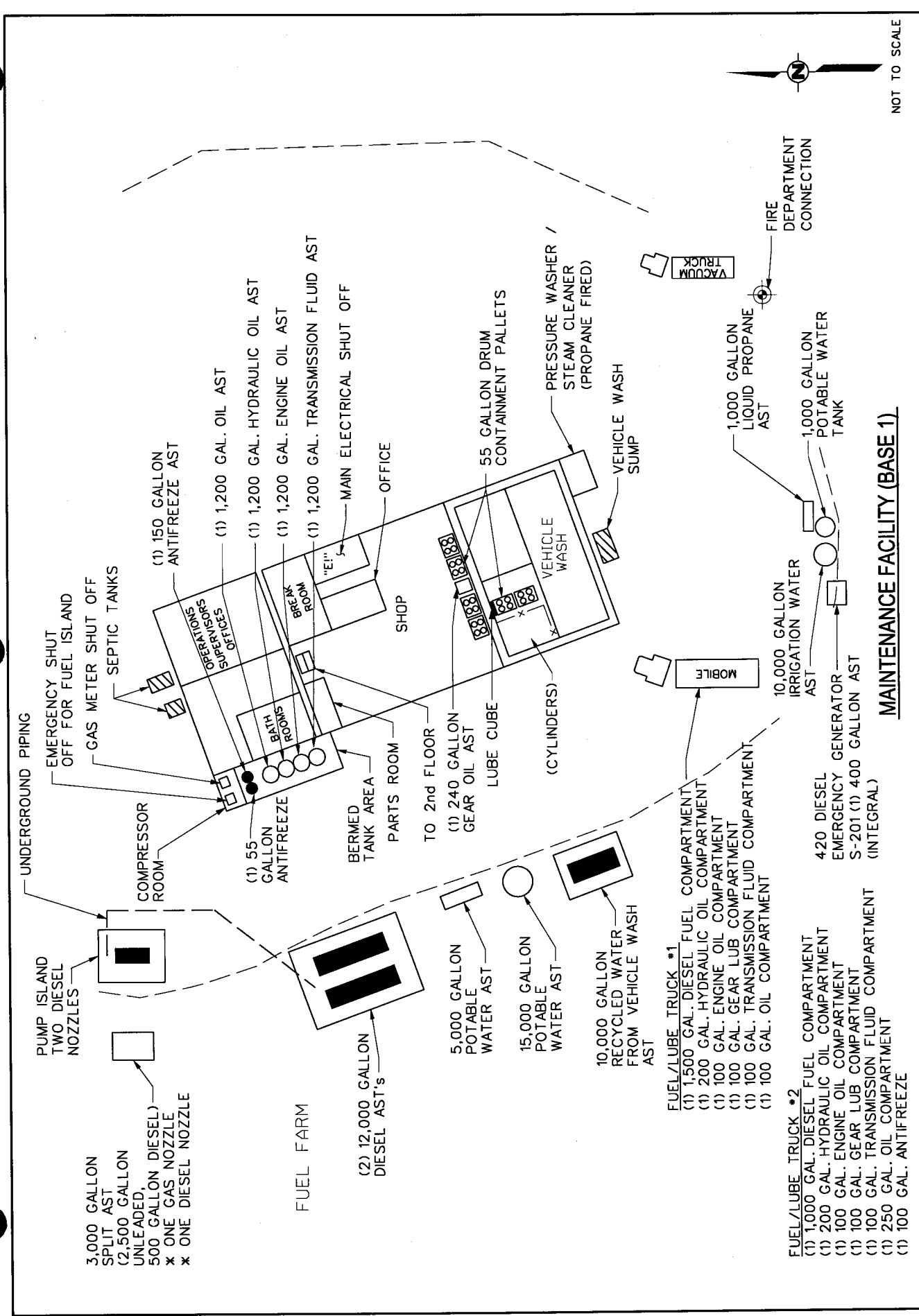
# SITE WATER RESOURCES

|                              |           |        |
|------------------------------|-----------|--------|
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| Date:                        | Feb. 2012 | 1B     |

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# **MAINTENANCE FACILITY (BASE 1)**

NOT TO SCALE

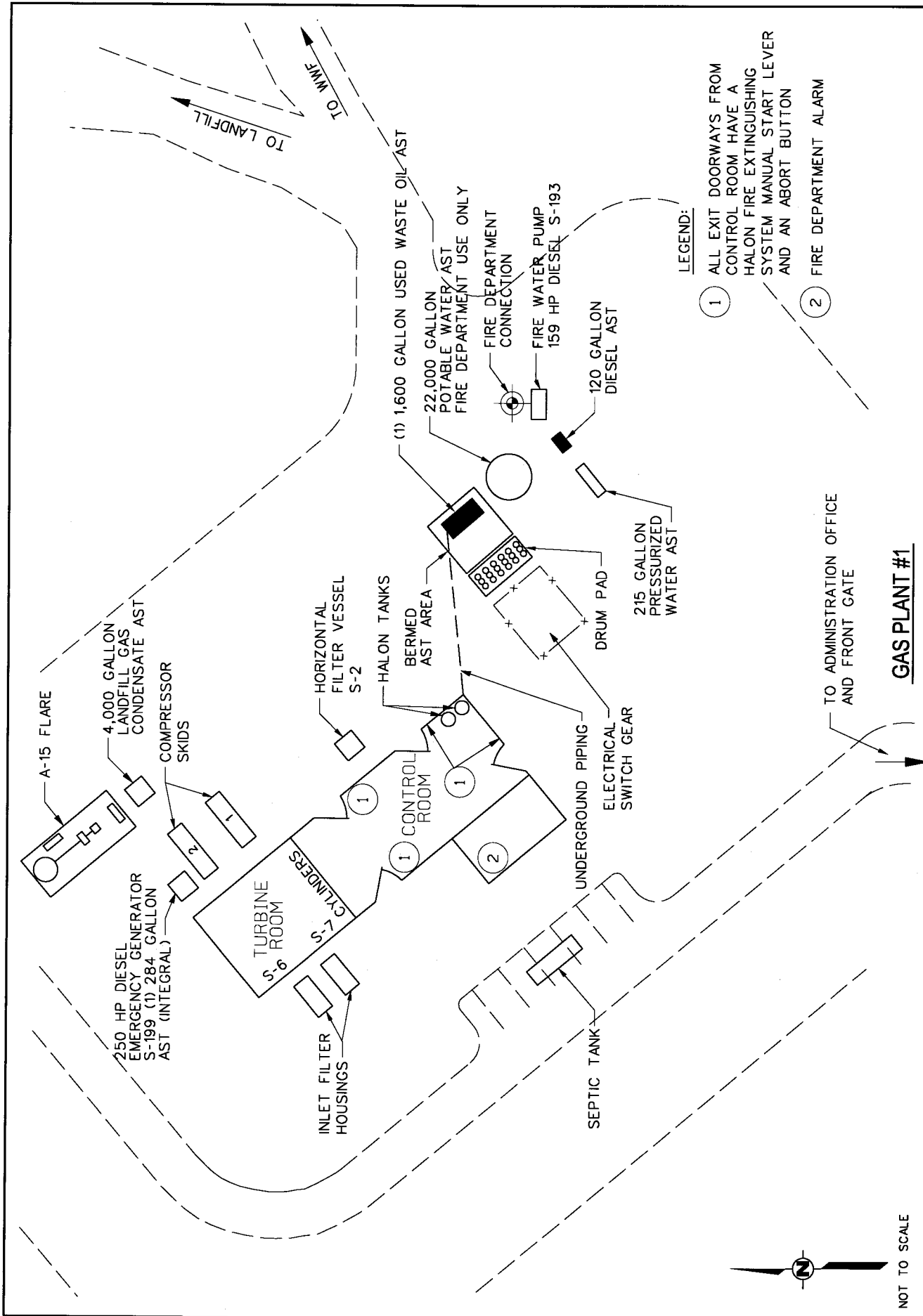
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Drawing No. CA26-2554-FAC-02

|        |          |        |   |
|--------|----------|--------|---|
| Scale: | NTS      | PLATE: | 2 |
| Date:  | Dec 2013 |        |   |

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# ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY ALAMEDA COUNTY, CALIFORNIA

Drawing No. CA26-2554-FAC-03

Scale: NTS

Date: Dec. 2013

PLATE:

3

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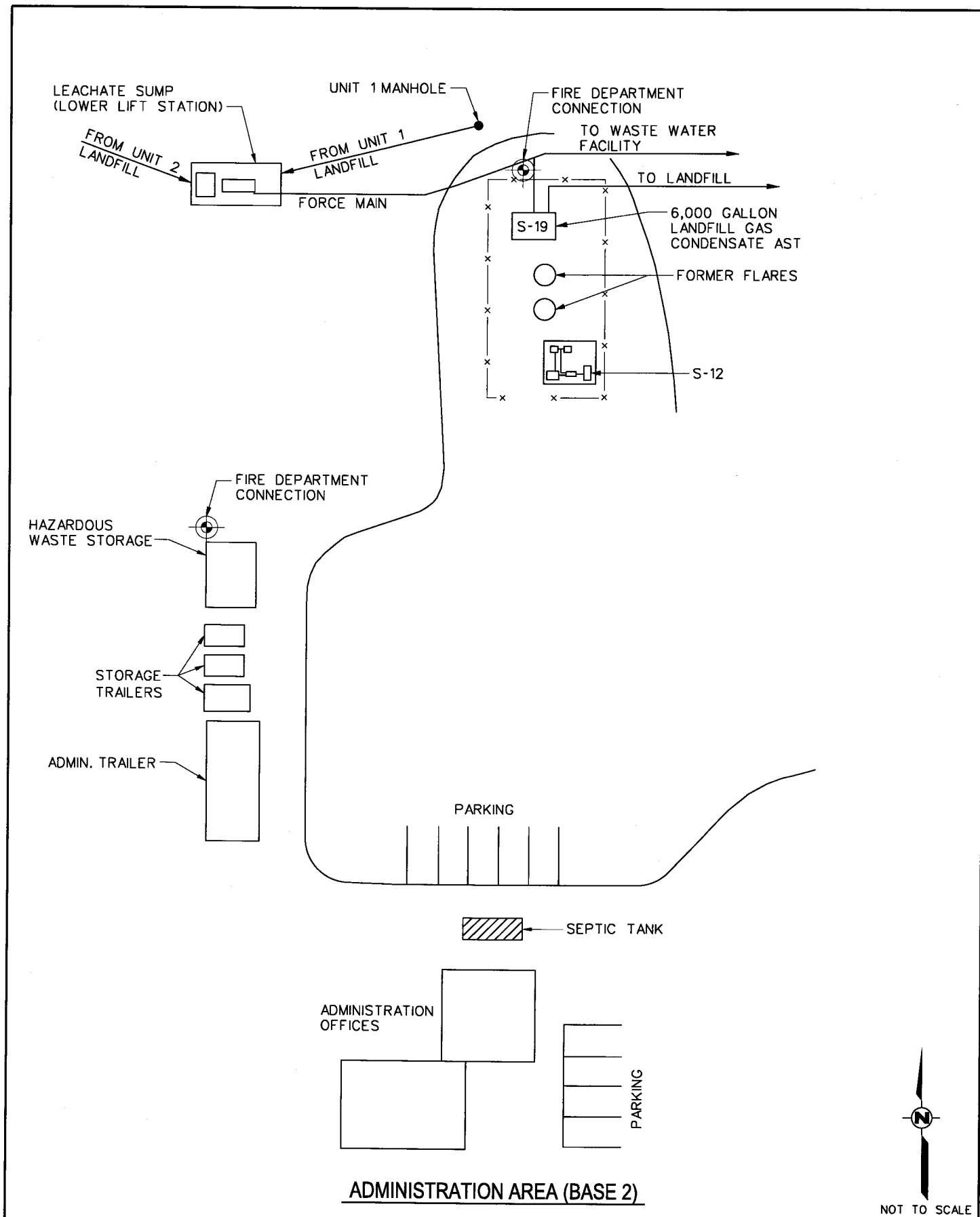
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RESOURCE RECOVERY FACILITY  
ALAMEDA COUNTY, CALIFORNIA**

Drawing No. CA26-2554-FAC-04

NTS

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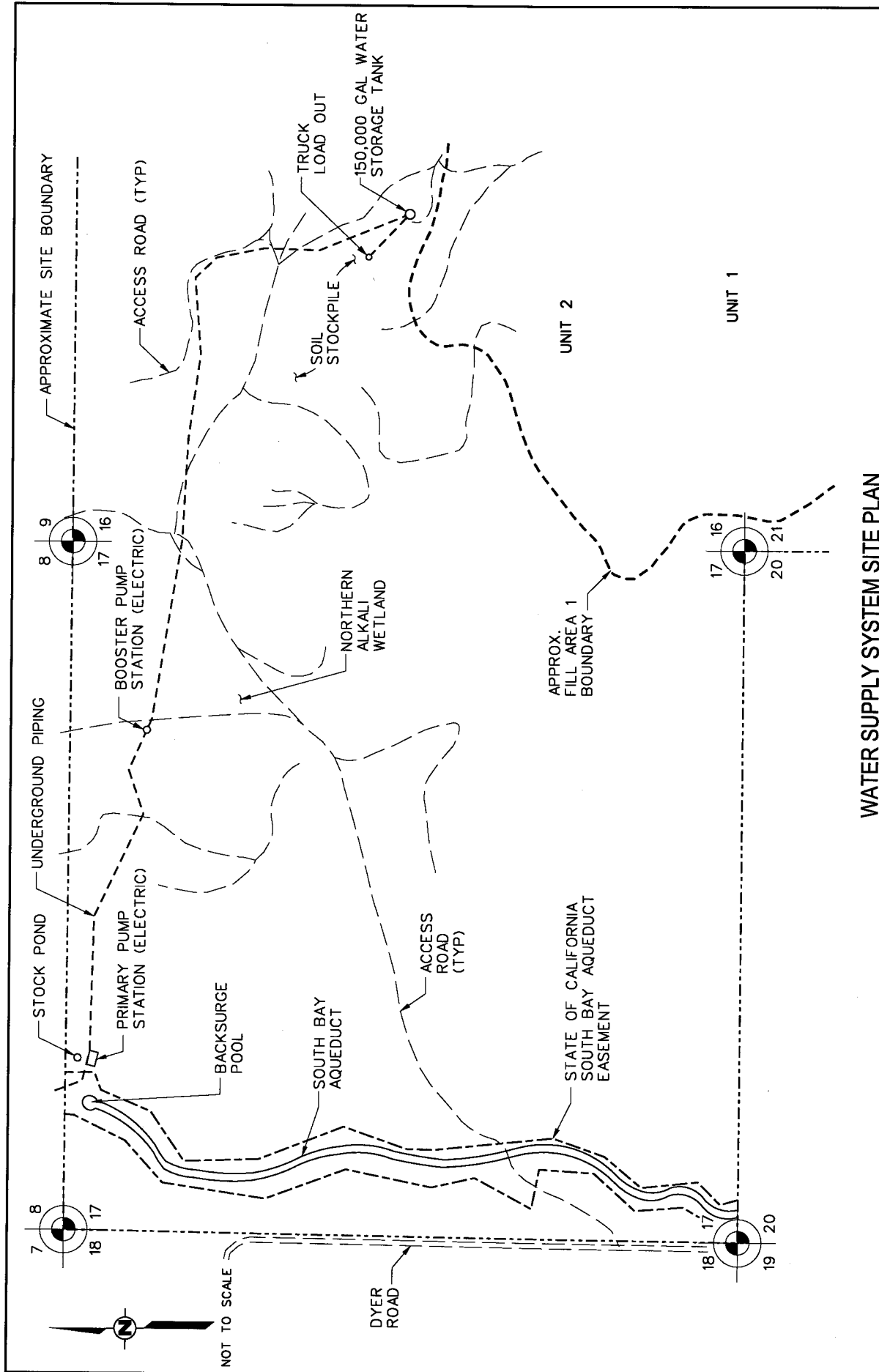


|       |          |
|-------|----------|
| Date: | Dec 2013 |
|-------|----------|

- A - LNG Storage Tanks (3) 15 K gal each
- B - LNG Storage Tanks Electrical Panel
- C - LNG Transfer Truck Loading Driveway
- D - Liquid Nitrogen Tank (15,000 gallons)
- E - LNG Cold Box (55 gallons)
- F - Liquifier Equipment & Mixed Refrigerant
- G - Membrane Skid



**WMA**  
WASTE MANAGEMENT



# WATER SUPPLY SYSTEM SITE PLAN



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ALTAMONT LANDFILL AND  
RESOURCE RECOVERY FACILITY  
ALAMEDA COUNTY, CALIFORNIA

|                              |           |        |
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**APPENDIX B**  
**REPORT FORMS**

**FORM A**  
**ALTAMONT LANDFILL & RESOURCE RECOVERY FACILITY**  
**POST EARTHQUAKE CHECKLIST**

Date of Earthquake: \_\_\_\_\_  
 Date of Inspection: \_\_\_\_\_

Distance from Epicenter: \_\_\_\_\_  
 Epicenter Location: \_\_\_\_\_

Time of Earthquake: \_\_\_\_\_  
 Time of Inspection: \_\_\_\_\_

Person(s) Conducting Inspection: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

|                                              | Damage Evident |       |
|----------------------------------------------|----------------|-------|
|                                              | Yes            | No    |
| <b>1. LANDFILL/ASBESTOS MONOFILL</b>         |                |       |
| <b>Access</b>                                |                |       |
| • fencing                                    | _____          | _____ |
| • vehicle access roads                       | _____          | _____ |
| <b>Landfill Surface</b>                      |                |       |
| • slopes                                     | _____          | _____ |
| • cover soil                                 | _____          | _____ |
| • tippers                                    | _____          | _____ |
| • landfill liner perimeter areas             | _____          | _____ |
| <b>2. DRAINAGE STRUCTURES</b>                |                |       |
| • perimeter drainage ditches                 | _____          | _____ |
| • interceptor drains                         | _____          | _____ |
| • down drains                                | _____          | _____ |
| • sedimentation basins                       | _____          | _____ |
| <b>3. ENTRY &amp; ACCESS ROADS</b>           |                |       |
| • ingress/egress roads                       | _____          | _____ |
| • gates/fencing                              | _____          | _____ |
| <b>4. SCALE FACILITY</b>                     |                |       |
| • building stable                            | _____          | _____ |
| • scale                                      | _____          | _____ |
| • computer system                            | _____          | _____ |
| <b>5. ADMINISTRATION &amp; SALES OFFICES</b> |                |       |
| • structures stable                          | _____          | _____ |
| • parking lot                                | _____          | _____ |

**FORM A**  
**ALTAMONT LANDFILL & RESOURCE RECOVERY FACILITY**  
**POST EARTHQUAKE CHECKLIST**

|                                                                         | Damage Evident<br>Yes | No    |
|-------------------------------------------------------------------------|-----------------------|-------|
| <b>6. UTILITIES</b>                                                     |                       |       |
| • water                                                                 | _____                 | _____ |
| • power                                                                 | _____                 | _____ |
| • telephone                                                             | _____                 | _____ |
| • computer                                                              | _____                 | _____ |
| • PG&E Substation                                                       | _____                 | _____ |
| • sanitary                                                              | _____                 | _____ |
| <b>7. HAZARDOUS WASTE STORAGE AREA</b>                                  |                       |       |
| • leaks/spills                                                          | _____                 | _____ |
| • concrete containment                                                  | _____                 | _____ |
| • gates/fencing                                                         | _____                 | _____ |
| <b>8. MAINTENANCE BUILDING/FUELING FACILITY</b>                         |                       |       |
| • leaks/spills                                                          | _____                 | _____ |
| • secondary containment                                                 | _____                 | _____ |
| • structures stable                                                     | _____                 | _____ |
| • parking area                                                          | _____                 | _____ |
| • fuel storage tanks & drums                                            | _____                 | _____ |
| <b>9. GAS COLLECTION SYSTEM &amp; MONITORING WELLS</b>                  |                       |       |
| • conveyance lines                                                      | _____                 | _____ |
| • wells                                                                 | _____                 | _____ |
| <b>10. LEACHATE COLLECTION SYSTEM &amp; WASTE WATER TREATMENT PLANT</b> |                       |       |
| • conveyance lines                                                      | _____                 | _____ |
| • storage tanks                                                         | _____                 | _____ |
| • building structure                                                    | _____                 | _____ |
| <b>11. GROUNDWATER MONITORING SYSTEM</b>                                |                       |       |
| • wells                                                                 | _____                 | _____ |
| • ingress/egress roads                                                  | _____                 | _____ |
| <b>12. GAS PLANT/FLARE STATION</b>                                      |                       |       |
| <b>Access</b>                                                           |                       |       |
| • ingress/egress roads                                                  | _____                 | _____ |
| • gates/fencing                                                         | _____                 | _____ |
| <b>Ground Surface</b>                                                   | _____                 | _____ |
| <b>Oil Drum Storage and Secondary Containment</b>                       | _____                 | _____ |

**FORM A**  
**ALTAMONT LANDFILL & RESOURCE RECOVERY FACILITY**  
**POST EARTHQUAKE CHECKLIST**

|                                                       | Damage Evident<br>Yes | No    |
|-------------------------------------------------------|-----------------------|-------|
| <b>Process Equipment</b>                              |                       |       |
| • process control systems                             | _____                 | _____ |
| • condensate management tanks & piping                | _____                 | _____ |
| • gas compressors & piping                            | _____                 | _____ |
| • propane tanks & piping                              | _____                 | _____ |
| • secondary containments                              | _____                 | _____ |
| <br><b>13. DISPOSAL OPERATIONS TRAILERS</b>           |                       |       |
| • structures stable                                   | _____                 | _____ |
| • parking area                                        | _____                 | _____ |
| • leaks/spills                                        | _____                 | _____ |
| <br><b>14. IC ENGINES/LNG PLANT/FLARE</b>             |                       |       |
| <b>Access</b>                                         |                       |       |
| • ingress/egress roads                                | _____                 | _____ |
| • gates/fencing                                       | _____                 | _____ |
| <br><b>Ground Surface</b>                             | _____                 | _____ |
| <br><b>Oil Drum Storage and Secondary Containment</b> | _____                 | _____ |
| <br><b>Process Equipment</b>                          |                       |       |
| • process control systems                             | _____                 | _____ |
| • condensate management tanks & piping                | _____                 | _____ |
| • gas compressors & piping                            | _____                 | _____ |
| • product storage tanks & piping                      | _____                 | _____ |
| • secondary containments                              | _____                 | _____ |

**Was there any damage to landfill structures, cover or systems caused by the above seismic event?**

YES\*\* \_\_\_\_\_ NO \_\_\_\_\_

**\*\* Complete Earthquake Damage Report.**

**FORM B**  
**ALTAMONT LANDFILL & RESOURCE RECOVERY FACILITY**  
**EARTHQUAKE DAMAGE REPORT**

**Damaged Area of Facility:** \_\_\_\_\_

\_\_\_\_\_

**Location:** \_\_\_\_\_

\_\_\_\_\_

**Description of Damage:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

\_\_\_\_\_

**Note: Fill out (1) form for each damage observation.**

**FORM C**  
**ALTAMONT LANDFILL & RESOURCE RECOVERY FACILITY**  
**EARTHQUAKE REPAIR TRACKING FORM**

**Date of Earthquake:** \_\_\_\_\_  
**Time of Earthquake:** \_\_\_\_\_

**Date of Inspection:** \_\_\_\_\_  
**Time of Inspection:** \_\_\_\_\_

**Area or Facility to be Repaired:** \_\_\_\_\_

\_\_\_\_\_

**Location:** \_\_\_\_\_

\_\_\_\_\_

**Corrective Actions Implemented:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Date Damage was repaired:** \_\_\_\_\_

**Time Damage was repaired:** \_\_\_\_\_

**Damage Repaired by:** \_\_\_\_\_

# SPECIAL OCCURRENCE FORM

## Altamont Landfill & Resource Recovery Facility

- This form is used for site compliance with the Solid Waste Facility Permit & Title 27, Section 20510 & Alameda County Ordinance #2008-01.
- The purpose of this Form is simply to provide enough details for a basic understanding of the nature of all site operational special occurrences and to indicate if more detailed files on the occurrence exist.
- Completed Forms are to be given to the Compliance Manager for filing in the Special Occurrence Log binder.
- In addition to completion of this Form, all other normally required documents must be complete (such as injury investigation reports, etc.).
- Detailed notes and files regarding special occurrences (when applicable) should be filed separately with a note at the bottom of this form to indicate where the other file is located.

Date: \_\_\_\_\_

Time: \_\_\_\_\_

Reported By (please print): \_\_\_\_\_

Position/Title: \_\_\_\_\_

### 1) CHECK APPROPRIATE OCCURRENCE(S)

|                  |                          |
|------------------|--------------------------|
| Fire             | <input type="checkbox"/> |
| Spill or Release | <input type="checkbox"/> |
| Flooding         | <input type="checkbox"/> |
| Explosion        | <input type="checkbox"/> |

|                        |                          |
|------------------------|--------------------------|
| Accident               | <input type="checkbox"/> |
| Injury/Illness         | <input type="checkbox"/> |
| Property Damage        | <input type="checkbox"/> |
| Insufficient Personnel | <input type="checkbox"/> |

|                                                  |                          |
|--------------------------------------------------|--------------------------|
| Receipt/Rejection of Prohibited Hazardous Waste  | <input type="checkbox"/> |
| Disposal of Significant Amounts of Plant Debris* | <input type="checkbox"/> |
| Unusual and sudden settlement or landslide       | <input type="checkbox"/> |
| Earthquake Damage                                | <input type="checkbox"/> |
| Other: _____                                     | <input type="checkbox"/> |

\*(Significant Amount means >10% by volume of the contents of the container or vehicle load or 5 cubic yards, whichever is less)

### 2) PROVIDE A BRIEF DESCRIPTION OF THE OCCURRENCE BELOW – INCLUDE INDIVIDUALS AND WITNESSES INVOLVED\*, COMPANY AFFILIATION, AND OTHER RELEVANT INFORMATION. \*For accident/injury/illness, do not include employee name(s) on this log

### 3) PROVIDE ANY FOLLOW-UP ACTIONS (i.e. customer notification, employee training, additional signage, etc.).

### 4) HAS A SEPARATE FILE WITH DETAILS ON THIS INCIDENT BEEN CREATED?

YES\*\* \_\_\_\_ NO X \*\* LOCATION



## Emergency Preparedness Program



### Bomb Threat Call Checklist:

Date: \_\_\_\_\_ Time: \_\_\_\_\_ A.M. / P.M.

Call Received by: \_\_\_\_\_

Exact words of caller: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Questions to Ask:

When will the bomb explode? \_\_\_\_\_

Where is the bomb located? \_\_\_\_\_

What does the bomb look like? \_\_\_\_\_

What kind of bomb is it? \_\_\_\_\_

Why did you place the bomb? \_\_\_\_\_

What do you hope to accomplish by this action? \_\_\_\_\_

What is your name? \_\_\_\_\_





## Emergency Preparedness Program



Where are you calling from? \_\_\_\_\_

### **Voice Characteristics:**

Male \_\_\_\_\_ Female \_\_\_\_\_ Child \_\_\_\_\_ Loud \_\_\_\_\_ Soft \_\_\_\_\_ Nasal \_\_\_\_\_

Raspy \_\_\_\_\_ High \_\_\_\_\_ Low \_\_\_\_\_ Familiar \_\_\_\_\_ Pleasant \_\_\_\_\_

Other \_\_\_\_\_

### **Speech Characteristics:**

Fast \_\_\_\_\_ Slow \_\_\_\_\_ Stutter \_\_\_\_\_ Slurred \_\_\_\_\_ Intoxicated \_\_\_\_\_

Other \_\_\_\_\_

### **Accent Characteristics:**

Local \_\_\_\_\_ Region \_\_\_\_\_ Foreign \_\_\_\_\_

Other \_\_\_\_\_

### **Manner of Caller:**

Calm \_\_\_\_\_ Angry \_\_\_\_\_ Deliberate \_\_\_\_\_ Emotional \_\_\_\_\_

Laughing \_\_\_\_\_ Incoherent \_\_\_\_\_ Other \_\_\_\_\_

### **Background Noises:**

Office Machines \_\_\_\_\_ Street Traffic \_\_\_\_\_ Factory Machines \_\_\_\_\_ Music \_\_\_\_\_

Airplanes \_\_\_\_\_ Trains \_\_\_\_\_ Trucks \_\_\_\_\_ Animals \_\_\_\_\_

Other \_\_\_\_\_

### **Origin of Call:**

Internal \_\_\_\_\_ External \_\_\_\_\_ Local \_\_\_\_\_ Long Distance \_\_\_\_\_

Did caller appear to be familiar with the facility? \_\_\_\_\_

Number/extension at which call was received: \_\_\_\_\_

### **Contacts Made:**



## Emergency Preparedness Program



Operations/District Manager: Date \_\_\_\_\_ @ \_\_\_\_\_ am / pm

Police Department: Date \_\_\_\_\_ @ \_\_\_\_\_ am / pm

Fire Department: Date \_\_\_\_\_ @ \_\_\_\_\_ am / pm

Other: Date \_\_\_\_\_ @ \_\_\_\_\_ am / pm

Other: Date \_\_\_\_\_ @ \_\_\_\_\_ am / pm

**APPENDIX C**  
**HAZARDOUS MATERIAL BUSINESS PLAN**

## Facility/Site

## ALTAMONT LANDFILL &amp; RESOURCE(CUPA)

10840 Altamont Pass Road  
Livermore, CA 94551CERS ID  
10188339

## Submittal Status

Submitted on 12/2/2016 by Sarah Fockler of ALTAMONT LANDFILL & RESOURCE(CUPA) (LIVERMORE, CA)  
Submittal was **Accepted**; Processed on 12/8/2016 by My Le Huynh for Alameda County Environmental Health

## Identification

Altamont Landfill &amp; Resource Recovery Facility

Operator Phone  
(925) 455-7300Business Phone  
(925) 455-7300

Business Fax

Beginning Date

Ending Date

Dun & Bradstreet  
047577416SIC Code  
0000

Primary NAICS

## Facility/Site Mailing Address

10840 Altamont Pass Road  
Livermore, CA 94551

## Primary Emergency Contact

Marcus Netz

Title

District Manager

Business Phone  
(925) 455-732324-Hour Phone  
(925) 525-9605

Pager Number

## Owner

Waste Management of Alameda County, Inc.  
(510) 430-8509  
172 98th Avenue  
Oakland, CA 94603

## Secondary Emergency Contact

Brian Tarte

Title

District Operations Manager

Business Phone  
(925) 455-730824-Hour Phone  
(925) 315-1449

Pager Number

## Billing Contact

Pam Murillo  
(925) 455-7352 pmurillo@wm.com  
10840 Altamont Pass Road  
Livermore, CA

## Environmental Contact

Sarah Fockler  
(925) 455-7305 sfockler@wm.com  
10840 Altamont Pass Road  
Livermore, CA 94551

Name of Signer

Marcus Netz

Signer Title

District Manager

Document Preparer

Sarah Fockler

Additional Information

## Locally-collected Fields

Some or all of the following fields may be required by your local regulator(s).

## Property Owner

Phone

Mailing Address

Assessor Parcel Number (APN)

Number of Employees

Facility ID

**Site Identification****ALTAMONT LANDFILL & RESOURCE(CUPA)**

10840 Altamont Pass Road

Livermore, CA 94551

County

Alameda

CERS ID

**10188339**

EPA ID Number

CAD981382732

**Submittal Status**Submitted on 12/2/2016 by *Sarah Fockler* of ALTAMONT LANDFILL & RESOURCE(CUPA) (LIVERMORE, CA)Submittal was **Accepted**; Processed on 12/8/2016 by *My Le Huynh* for Alameda County Environmental Health**Hazardous Materials**

Does your facility have on site (for any purpose) at any one time, hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or is regulated under more restrictive inventory local reporting requirements (shown below if present); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?

**Yes****Underground Storage Tank(s) (UST)**

Does your facility own or operate underground storage tanks?

**No****Hazardous Waste**

Is your facility a Hazardous Waste Generator?

**Yes**

Does your facility treat hazardous waste on-site?

**No**

Is your facility's treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?

**No**

Does your facility consolidate hazardous waste generated at a remote site?

**No**

Does your facility need to report the closure/removal of a tank that was classified as hazardous waste and cleaned on-site?

**No**

Does your facility generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month, or accumulate at any time, 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate or accumulate at any time more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.

**No**

Is your facility a Household Hazardous Waste (HHW) Collection site?

**No****Excluded and/or Exempted Materials**

Does your facility recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?

**No**

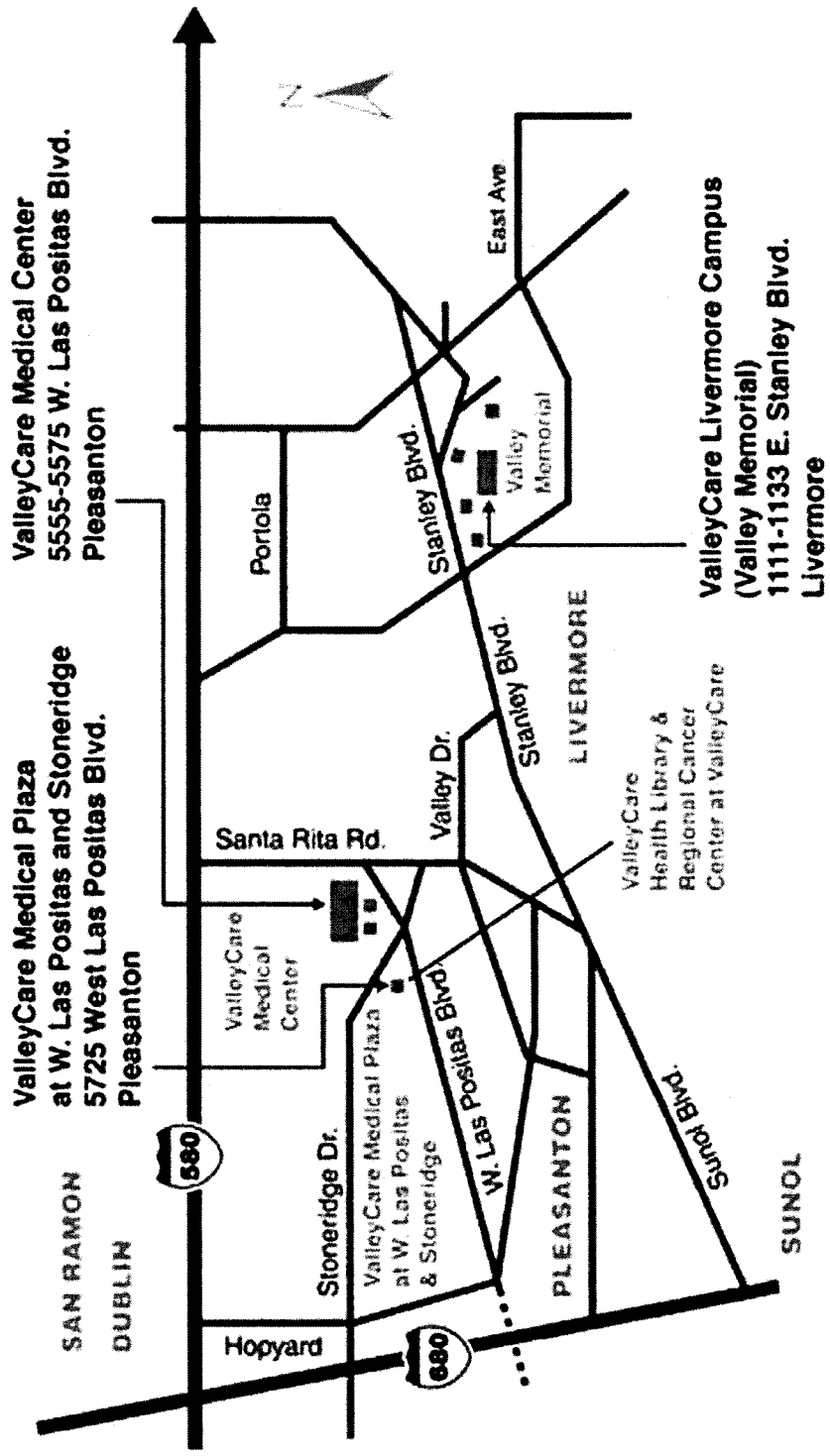
Does your facility own or operate ASTs above these thresholds? Store greater than 1,320 gallons of petroleum products (new or used) in aboveground tanks or containers.

**Yes**

Does your facility have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release prevention Program (CalARP)?

**Yes****Additional Information**

No additional comments provided.



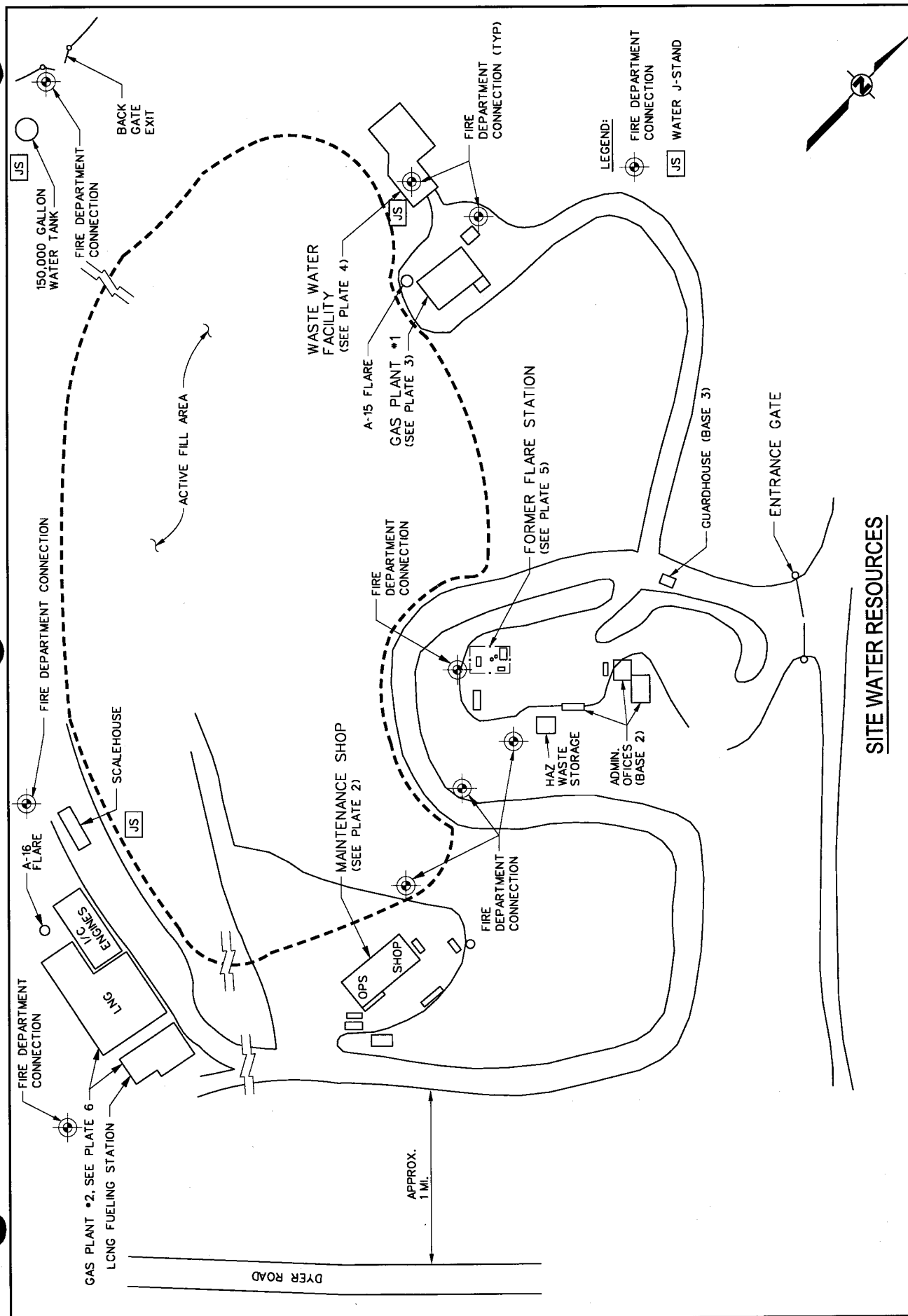
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ALTAMONT LANDFILL AND  
RESOURCE RECOVERY FACILITY  
ALAMEDA COUNTY, CALIFORNIA

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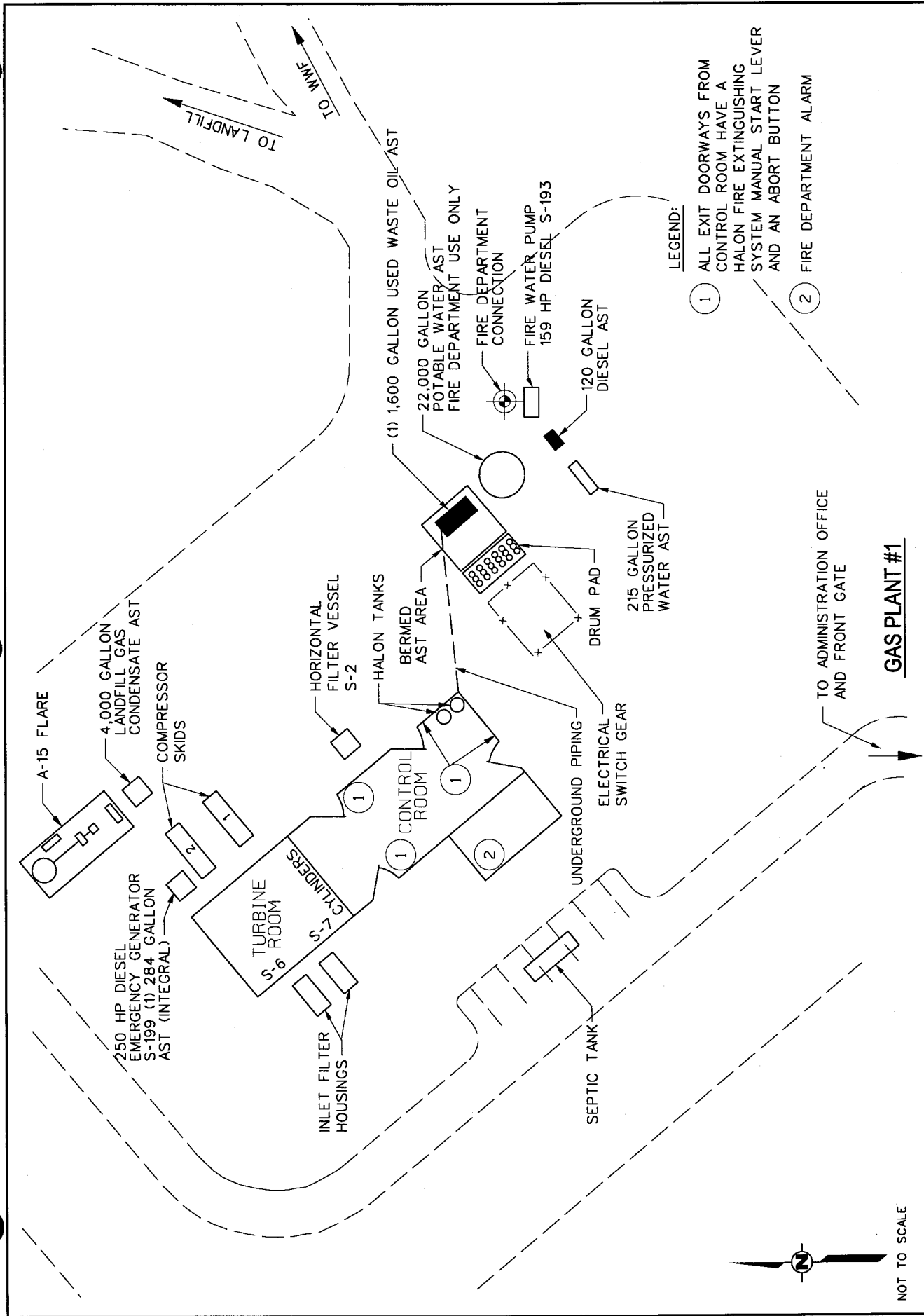
# ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY ALAMEDA COUNTY, CALIFORNIA

Drawing No. CA26-2554-FAC-1B

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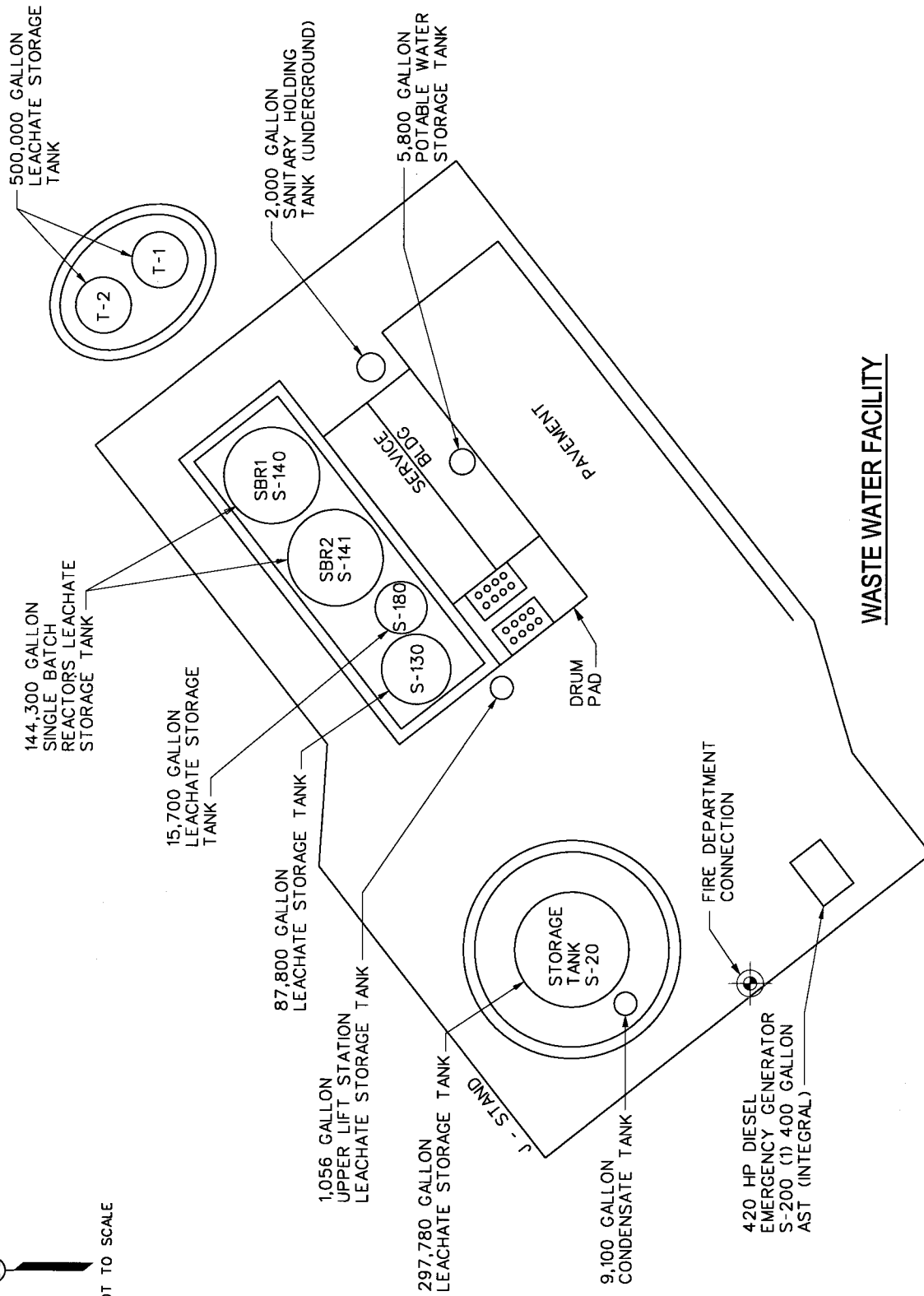


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# ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY ALAMEDA COUNTY, CALIFORNIA



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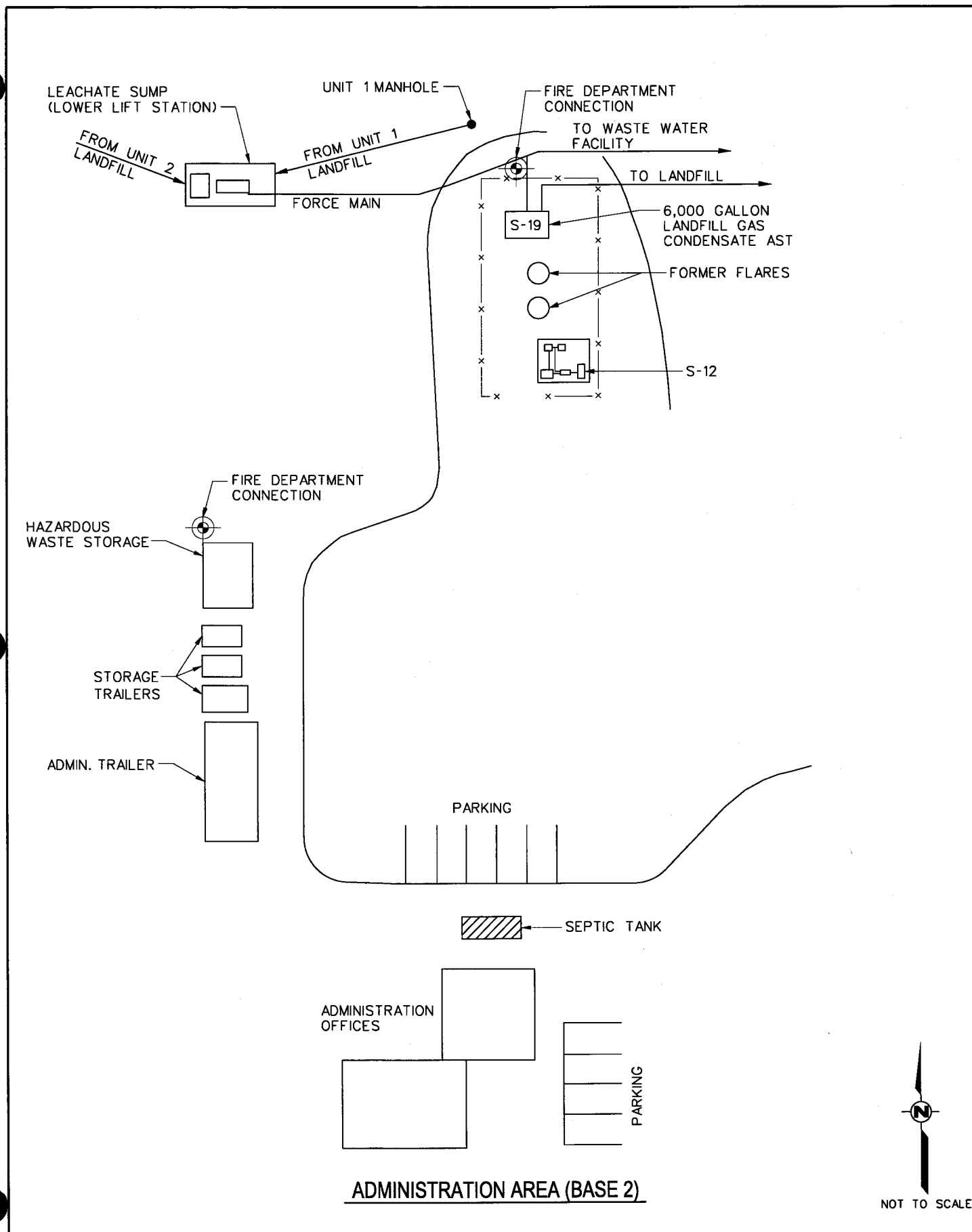
# WASTE WATER FACILITY

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## ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY ALAMEDA COUNTY, CALIFORNIA

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| Scale:                       | NTS       | PLATE: |
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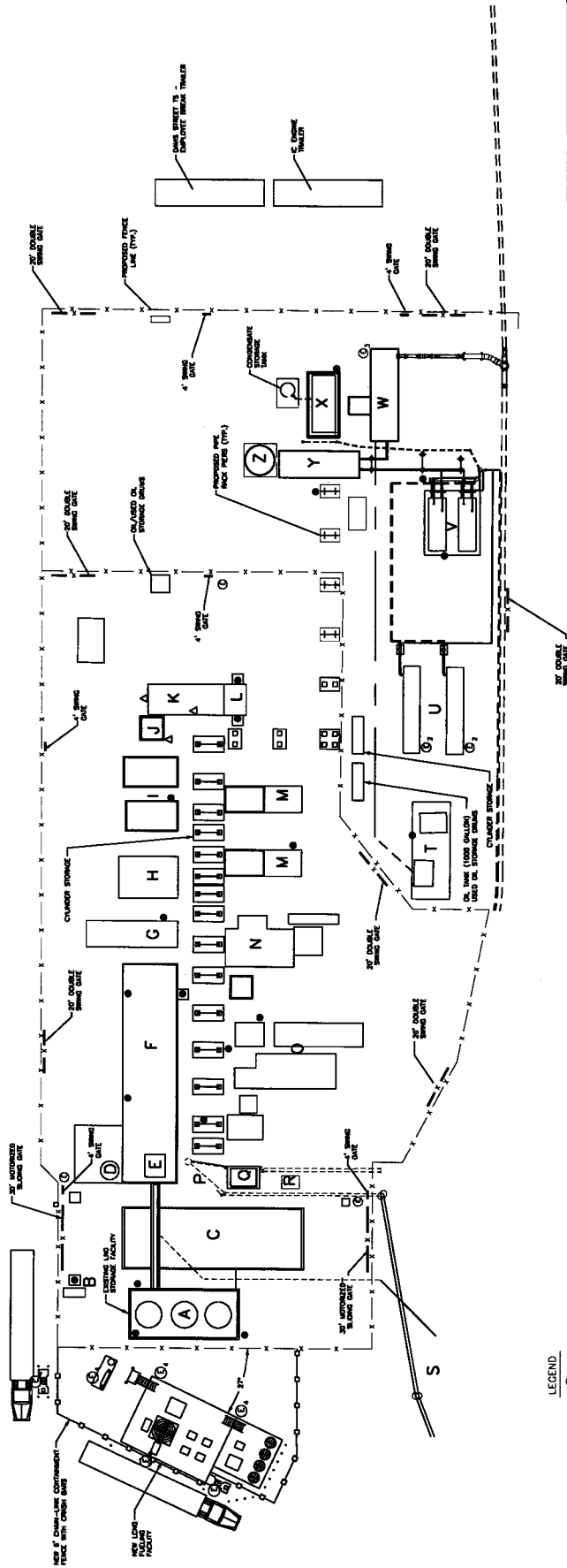


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ALTAMONT LANDFILL AND  
RESOURCE RECOVERY FACILITY  
ALAMEDA COUNTY, CALIFORNIA

|                              |           |        |
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WASTE MANAGEMENT  
WASTE MANAGEMENT  
WASTE MANAGEMENT



# LEGEND

- ① emergency shut-off (LNG plant - 3)
- ② emergency shut-off (C ENGINE plant - 2)
- ③ emergency shut-off (FLARE plant - 1)
- ④ emergency shut-off (LNG plant - 6)
- wheeled 300g purple-k unit (2)
- △ CO2 fire extinguisher (3)
- dry chem fire extinguisher (16)
- cleanagent fire extinguisher (4)

- A - LNG Storage Tanks (3) 15 K gal each
- B - LNG Storage Tanks Electrical Panel
- C - LNG Transfer Truck Loading Driveway
- D - Liquid Nitrogen Tank (15,000 gallons)
- E - LNG Cold Box (55 gallons)
- F - Liquifier Equipment & Mixed Refrigerant
- G - Membrane Skid
- H - Sulfatreat Tanks (2)
- I - Chillers (2)
- J - Electrical Transformer

- K - Motor Control Center
- L - Operations Control Room
- M - LFG Feed Compressors (2)
- N - Dryer Skid
- O - Molegate Skid
- P - Condensate Sump
- Q - Condensate Vessel Skid
- R - Condensate Vessel Control Panel

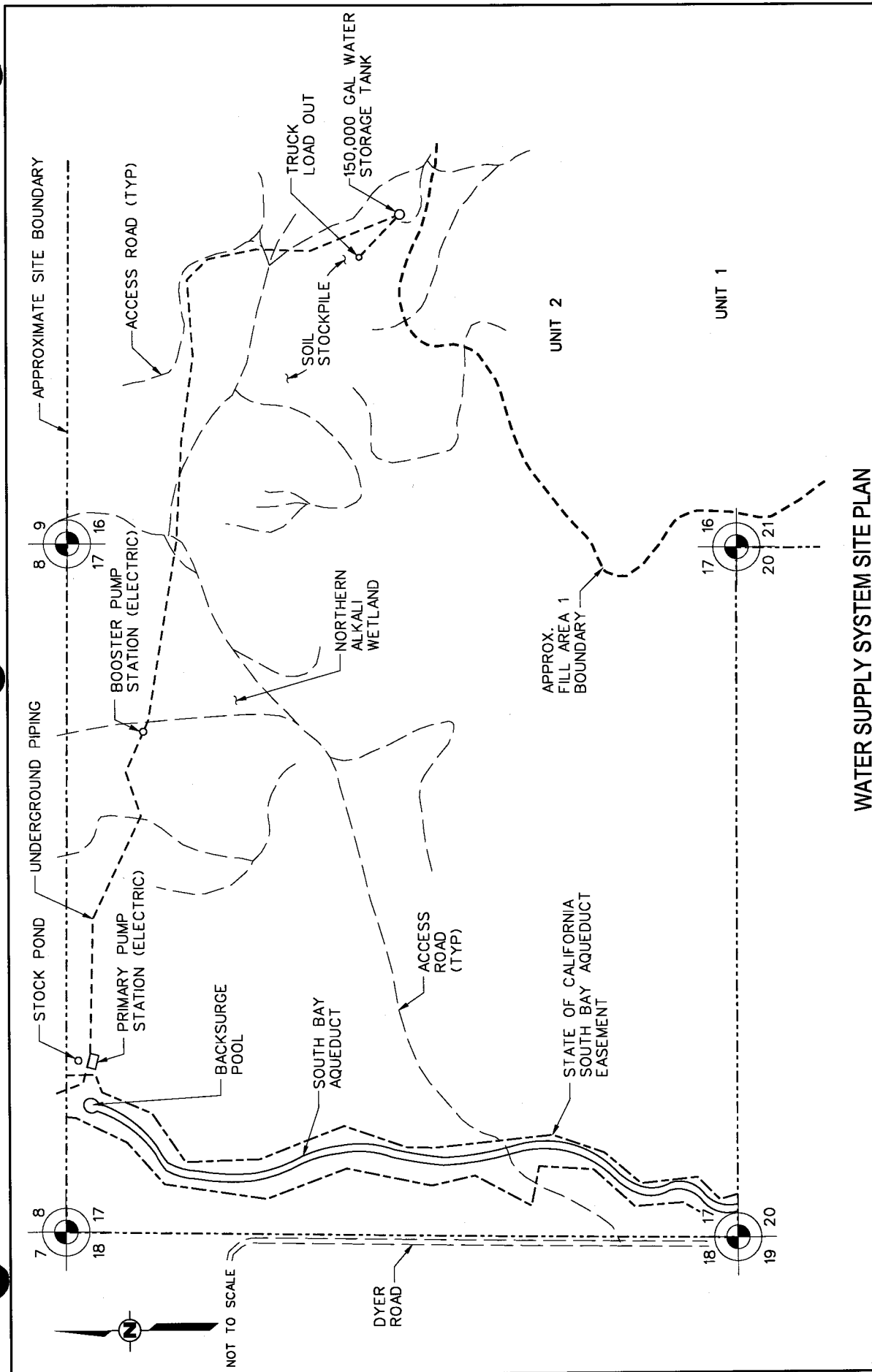
- S - Stormwater Channel
- T - Electrical Transformer & Switchgear
- U - IC Engine Generators (S-23 & S-24)
- V - IC Engine Conditioning Skids
- W - LFG Blower Skid
- X - Chiller Skid
- Y - Metering Skid
- Z - A-16 LFG Flare



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## ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY ALAMEDA COUNTY, CALIFORNIA

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| Scale:                       | NTS       | PLATE: |
| Date:                        | Dec. 2013 | 6      |



WATER SUPPLY SYSTEM SITE PLAN

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ALTAMONT LANDFILL AND  
RESOURCE RECOVERY FACILITY  
ALAMEDA COUNTY, CALIFORNIA

|                              |           |        |  |
|------------------------------|-----------|--------|--|
| Drawing No. CA26-2554-FAC-07 |           |        |  |
| Scale:                       | NTS       | PLATE: |  |
| Date:                        | Feb. 2012 | 7      |  |

# Hazardous Materials And Wastes Inventory Matrix Report

|                                                                  |                   |                                               |                           |
|------------------------------------------------------------------|-------------------|-----------------------------------------------|---------------------------|
| CERS Business/Org. <b>ALTAMONT LANDFILL &amp; RESOURCE(CUPA)</b> |                   | CERS ID <b>10188339</b>                       |                           |
| Facility Name <b>ALTAMONT LANDFILL &amp; RESOURCE(CUPA)</b>      |                   | Facility ID                                   |                           |
| 10840 Altamont Pass Road, Livermore 94551                        |                   | Status <b>Submitted on 11/17/2016 1:22 PM</b> |                           |
| Chemical Location                                                |                   | Hazardous Components<br>(For mixture only)    |                           |
| DOT Code/Fire Haz. Class                                         | Common Name       | Unit                                          | Quantities                |
|                                                                  | ACS-2 - Adsorbent | Pounds                                        | Max. Daily                |
|                                                                  | CAS No            | 8600                                          | Largest Cont.             |
|                                                                  |                   | State                                         | Avg. Daily                |
|                                                                  |                   | Solid                                         | Annual Waste Amount       |
|                                                                  |                   | Type                                          | Waste Code                |
|                                                                  |                   |                                               | Pressure                  |
|                                                                  |                   |                                               | Temperature               |
|                                                                  |                   |                                               | Federal Hazard Categories |
|                                                                  |                   |                                               | Component Name            |
|                                                                  |                   |                                               | % Wt                      |
|                                                                  |                   |                                               | EHS CAS No.               |

# Hazardous Materials And Wastes Inventory Matrix Report

|                    |                                           |             |                                 |
|--------------------|-------------------------------------------|-------------|---------------------------------|
| CERS Business/Org. | ALTAMONT LANDFILL & RESOURCE(CUPA)        | CERS ID     | 10188339                        |
| Facility Name      | ALTAMONT LANDFILL & RESOURCE(CUPA)        | Facility ID |                                 |
|                    | 10840 Altamont Pass Road, Livermore 94551 | Status      | Submitted on 11/17/2016 1:22 PM |
| Chemical Location  |                                           | Maintenance |                                 |

| DOT Code/Fire Haz. Class                   | Common Name        | Unit    | Quantities        |               | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) |      |
|--------------------------------------------|--------------------|---------|-------------------|---------------|---------------------|---------------------------|-----------------------------------------|------|
|                                            |                    |         | Max. Daily        | Largest Cont. |                     |                           | Component Name                          | % Wt |
| DOT: 3 - Flammable and Combustible Liquids | Diesel Fuel No. 2  | Gallons | 500               | 500           | 500                 | - Fire                    |                                         |      |
|                                            | CAS No. 68476-34-6 | State   | Storage Container |               | Pressure            | - Acute Health            |                                         |      |
|                                            |                    | Liquid  | Aboveground Tank  |               | Temperature         | - Chronic health          |                                         |      |
| Combustible Liquid, Class II               |                    | Type    | Pure              |               |                     |                           |                                         |      |
|                                            |                    |         | Days on Site: 365 |               |                     |                           |                                         |      |



# Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: ALTAMONT LANDFILL & RESOURCE(CUPA)  
 Facility Name ALTAMONT LANDFILL & RESOURCE(CUPA)  
 10840 Altamont Pass Road, Livermore 94551

Chemical Location

## 2.1.2.6 Inert Compressed Gas

CERS ID 10188339

Facility ID

Status Submitted on 11/17/2016 1:22 PM

|                            |                               | Quantities |                   |               | Annual      |              | Federal Hazard |                           | Hazardous Components |          |         |
|----------------------------|-------------------------------|------------|-------------------|---------------|-------------|--------------|----------------|---------------------------|----------------------|----------|---------|
| DOT Code/Fire Haz. Class   | Common Name                   | Unit       | Max. Daily        | Largest Cont. | Avg. Daily  | Waste Amount | Categories     | Component Name            | % Wt                 | EHS      | CAS No. |
| DOT: 2.1 - Flammable Gases | Liquefied Petroleum Gas (lpg) | Cu. Feet   | 1000              | 1000          | 1000        |              | - Fire         | Propane                   | 10 %                 | 74-98-6  | Balance |
| Flammable Gas              | CAS No                        | State      | Storage Container |               | Pressure    | Waste Code   | - Pressure     | Air, Refrigerated Liquid; |                      |          |         |
|                            | 74-98-6                       | Gas        | Aboveground Tank  |               |             |              | Release        | Compressed Air            |                      |          |         |
|                            |                               | Type       | Days on Site: 365 |               | Temperature |              |                | Odorant                   |                      | 110-66-7 |         |
|                            |                               | Pure       |                   |               |             |              |                |                           |                      |          |         |

# Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 Facility Name **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 10840 Altamont Pass Road, Livermore 94551

Chemical Location  
**Former Flare Station/Gas Plant #1&2/WWF**

CERS ID **10188339**

Facility ID

Status **Submitted on 11/17/2016 1:22 PM**

| DOT Code/Fire Haz. Class | Common Name       | Unit           | Quantities        |               | Avg. Daily  | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) |      |             |
|--------------------------|-------------------|----------------|-------------------|---------------|-------------|---------------------|---------------------------|-----------------------------------------|------|-------------|
|                          |                   |                | Max. Daily        | Largest Cont. |             |                     |                           | Component Name                          | % Wt | EHS CAS No. |
|                          | <b>Condensate</b> | <b>Gallons</b> | <b>11000</b>      | <b>6000</b>   | 5500        | 0                   | - Fire                    | Xylene                                  | 13 % | 1330-20-7   |
|                          | CAS No .....      | State          | Storage Container |               | Pressure    | Waste Code          |                           | Toluene                                 | 3 %  | 108-88-3    |
|                          |                   | Liquid         | Aboveground Tank  |               | Temperature |                     |                           | Ethyl Benzene                           | 2 %  | 100-41-4    |
|                          |                   | Type           |                   |               |             |                     |                           | 1,4 Dichlorobenzene                     | 1 %  | 106-46-7    |
|                          |                   | Waste          | Days on Site: 365 |               |             |                     |                           | 1,3 Dichlorobenzene                     | 0 %  | 541-73-1    |

# Hazardous Materials And Wastes Inventory Matrix Report

|                                            |  |                                           |  |                           |  |                                 |  |
|--------------------------------------------|--|-------------------------------------------|--|---------------------------|--|---------------------------------|--|
| CERS Business/Org                          |  | ALTAMONT LANDFILL & RESOURCE(CUPA)        |  | CERS ID                   |  | 10188339                        |  |
| Facility Name                              |  | ALTAMONT LANDFILL & RESOURCE(CUPA)        |  | Facility ID               |  |                                 |  |
|                                            |  | 10840 Altamont Pass Road, Livermore 94551 |  | Status                    |  | Submitted on 11/17/2016 1:22 PM |  |
| Chemical Location                          |  |                                           |  | Hazardous Components      |  |                                 |  |
| Fuel/lube #2                               |  |                                           |  | (For mixture only)        |  |                                 |  |
| DOT Code/Fire Haz. Class                   |  | Common Name                               |  | Unit                      |  | Annual Waste Amount             |  |
| DOT: 3 - Flammable and Combustible Liquids |  | Diesel Fuel No. 2                         |  | Gallons                   |  | 1000                            |  |
| Combustible Liquid, Class II               |  | CAS No. 68476-34-6                        |  | State                     |  | 1000                            |  |
|                                            |  |                                           |  | Liquid                    |  | Pressure                        |  |
|                                            |  |                                           |  | Type                      |  | Ambient                         |  |
|                                            |  |                                           |  | Pure                      |  | Temperature                     |  |
|                                            |  |                                           |  | Days on Site: 365         |  | Ambient                         |  |
|                                            |  |                                           |  | Max. Daily                |  | Avg. Daily                      |  |
|                                            |  |                                           |  | Storage Container         |  | 1000                            |  |
|                                            |  |                                           |  | Other                     |  | 1000                            |  |
|                                            |  |                                           |  | Largest Cont.             |  | 1000                            |  |
|                                            |  |                                           |  | Federal Hazard Categories |  | - Fire                          |  |
|                                            |  |                                           |  |                           |  | - Acute Health                  |  |
|                                            |  |                                           |  |                           |  | - Chronic health                |  |
|                                            |  |                                           |  | Waste Code                |  | Waste Code                      |  |
|                                            |  |                                           |  | Component Name            |  | Component Name                  |  |
|                                            |  |                                           |  | EHS                       |  | CAS No.                         |  |

# Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 Facility Name **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 10840 Altamont Pass Road, Livermore 94551

Chemical Location

**Gas Plant #2 LNG Plant – LNG Containment Pallet**

CERS ID **10188339**

Facility ID

Status **Submitted on 11/17/2016 1:22 PM**

| DOT Code/Fire Haz. Class | Common Name                                                                                      | Unit           | Quantities                   |               |                     | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) |      |
|--------------------------|--------------------------------------------------------------------------------------------------|----------------|------------------------------|---------------|---------------------|---------------------|---------------------------|-----------------------------------------|------|
|                          |                                                                                                  |                | Max. Daily                   | Largest Cont. | Avg. Daily          |                     |                           | Component Name                          | % Wt |
|                          | <b>Hydrotreated Mineral Oil</b><br>CAS No. MIXTURE                                               | <b>Gallons</b> | <b>165</b>                   | <b>55</b>     | <b>165</b>          |                     | - Fire                    | Distillates, petroleum hydrotreated     | 99 % |
|                          |                                                                                                  | State Liquid   | Storage Container Steel Drum |               | Pressure Ambient    |                     |                           | Distillates, petroleum hydrotreated     | 99 % |
|                          |                                                                                                  | Type Mixture   | Days on Site: 365            |               | Temperature Ambient |                     |                           | PROPRIETARY ADDITIVES                   | 5 %  |
|                          |                                                                                                  |                |                              |               |                     |                     |                           |                                         |      |
|                          | <b>Synthosol-B601 Series (Synthetic Lubricant) a.k.a SYNTHOSOL-SOS-C4-100</b><br>CAS No. Mixture | <b>Gallons</b> | <b>165</b>                   | <b>55</b>     | <b>165</b>          |                     | - Fire                    | 1-Dodecene, homopolymer, hydrogenated   | 99 % |
|                          |                                                                                                  | State Liquid   | Storage Container Steel Drum |               | Pressure Ambient    |                     |                           | 1-decene homopolymer, hydrogenated      | 99 % |
|                          |                                                                                                  | Type Mixture   | Days on Site: 365            |               | Temperature Ambient |                     |                           | Proprietary Additives                   |      |
|                          |                                                                                                  |                |                              |               |                     |                     |                           |                                         |      |

# Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 Facility Name: **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 10840 Altamont Pass Road, Livermore 94551

Chemical Location  
**Gas Plant # 1**

CERS ID: **10188339**

Facility ID

Status: **Submitted on 11/17/2016 1:22 PM**

| DOT Code/Fire Haz. Class                        | Common Name                                | Unit            | Quantities        |            | Max. Daily | Avg. Daily | Annual Waste Amount | Federal Hazard Categories                           | Component Name                           | Hazardous Components (For mixture only) |                |
|-------------------------------------------------|--------------------------------------------|-----------------|-------------------|------------|------------|------------|---------------------|-----------------------------------------------------|------------------------------------------|-----------------------------------------|----------------|
|                                                 |                                            |                 | Largest Cont.     | 250        |            |            |                     |                                                     |                                          | % Wt                                    | EHS CAS No.    |
| DOT: 2.1 - Flammable Gases<br><br>Flammable Gas | <b>Hydrogen</b>                            | <b>Cu. Feet</b> | <b>250</b>        | <b>250</b> | <b>250</b> | <b>250</b> | <b>250</b>          | - Fire<br>- Pressure<br>- Release<br>- Acute Health |                                          |                                         |                |
|                                                 | CAS No. 1333-74-0                          | State: Gas      | Storage Container |            |            |            |                     |                                                     |                                          |                                         |                |
|                                                 |                                            | Type: Pure      | Cylinder          |            |            |            |                     |                                                     |                                          |                                         |                |
|                                                 |                                            |                 | Days on Site: 365 |            |            |            |                     |                                                     |                                          |                                         |                |
|                                                 | <b>Lubricant 150</b>                       | <b>Gallons</b>  | <b>440</b>        | <b>55</b>  | <b>440</b> | <b>330</b> | <b>330</b>          | - Fire<br>- Acute Health                            | Polyalkylene Glycol<br>Pana<br>Additives | 95 %<br>3 %<br>2 %                      | 90-30-2<br>N/A |
|                                                 | CAS No. Mixture                            | State: Liquid   | Storage Container |            |            |            |                     |                                                     |                                          |                                         |                |
|                                                 |                                            | Type: Mixture   | Steel Drum        |            |            |            |                     |                                                     |                                          |                                         |                |
|                                                 |                                            |                 | Days on Site: 365 |            |            |            |                     |                                                     |                                          |                                         |                |
|                                                 | <b>Mobil SHC 824 (Synthetic Lubricant)</b> | <b>Gallons</b>  | <b>220</b>        | <b>55</b>  | <b>220</b> | <b>100</b> | <b>100</b>          | - Fire<br>- Acute Health                            |                                          |                                         |                |
|                                                 | CAS No. Mixture                            | State: Liquid   | Storage Container |            |            |            |                     |                                                     |                                          |                                         |                |
|                                                 |                                            | Type: Mixture   | Steel Drum        |            |            |            |                     |                                                     |                                          |                                         |                |
|                                                 |                                            |                 |                   |            |            |            |                     |                                                     |                                          |                                         |                |
|                                                 | <b>OIL: MOBIL DTE OIL BB</b>               | <b>Gallons</b>  | <b>330</b>        | <b>55</b>  | <b>330</b> | <b>220</b> | <b>220</b>          | - Fire<br>- Acute Health                            |                                          |                                         |                |
|                                                 | CAS No. Mixture                            | State: Liquid   | Storage Container |            |            |            |                     |                                                     |                                          |                                         |                |
|                                                 |                                            | Type: Mixture   | Steel Drum        |            |            |            |                     |                                                     |                                          |                                         |                |
|                                                 |                                            |                 | Days on Site: 365 |            |            |            |                     |                                                     |                                          |                                         |                |

# Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 Facility Name **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 10840 Altamont Pass Road, Livermore 94551

Chemical Location  
**Gas Plant # 1**

CERS ID **10188339**

Facility ID

Status **Submitted on 11/17/2016 1:22 PM**

| DOT Code/Fire Haz. Class           | Common Name                         | Unit            | Quantities    |                   | Max. Daily          | Avg. Daily | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) |      |             |
|------------------------------------|-------------------------------------|-----------------|---------------|-------------------|---------------------|------------|---------------------|---------------------------|-----------------------------------------|------|-------------|
|                                    |                                     |                 | Largest Cont. |                   |                     |            |                     |                           | Component Name                          | % Wt | EHS CAS No. |
| DOT: 9 - Misc. Hazardous Materials | <b>Halon 131 Fire Extinguishant</b> | <b>Cu. Feet</b> | <b>487</b>    |                   | <b>974</b>          | <b>974</b> |                     | - Pressure Release        |                                         |      |             |
|                                    | CAS No 75-63-8                      | State Gas       |               | Storage Container | Pressure Ambient    |            |                     | Waste Code - Acute Health |                                         |      |             |
|                                    |                                     | Type Pure       |               | Cylinder          | Temperature Ambient |            |                     |                           |                                         |      |             |
|                                    |                                     |                 |               | Days on Site: 365 |                     |            |                     |                           |                                         |      |             |

# Hazardous Materials And Wastes Inventory Matrix Report

| CERS Business/Org. ALTAMONT LANDFILL & RESOURCE(CUPA) |             | Chemical Location                        |                   | CERS ID 10188339                       |                     |                           |                |      |             |  |
|-------------------------------------------------------|-------------|------------------------------------------|-------------------|----------------------------------------|---------------------|---------------------------|----------------|------|-------------|--|
| Facility Name ALTAMONT LANDFILL & RESOURCE(CUPA)      |             | Gas Plant # 1 - Gas Plant #2 - LNG Plant |                   | Facility ID                            |                     |                           |                |      |             |  |
| 10840 Altamont Pass Road, Livermore 94551             |             |                                          |                   | Status Submitted on 11/17/2016 1:22 PM |                     |                           |                |      |             |  |
|                                                       |             |                                          |                   | Hazardous Components                   |                     |                           |                |      |             |  |
|                                                       |             |                                          |                   | (For mixture only)                     |                     |                           |                |      |             |  |
| DOT Code/Fire Haz. Class                              | Common Name | Unit                                     | Max. Daily        | Quantities                             | Annual Waste Amount | Federal Hazard Categories | Component Name | % Wt | EHS CAS No. |  |
| DOT: 2.2 - Nonflammable Gases                         | Helium      | Cu. Feet                                 | 11500             | 300                                    | 4500                | - Pressure                |                |      |             |  |
|                                                       |             | State                                    | Storage Container |                                        | Pressure            | Waste Code                | Release        |      |             |  |
|                                                       |             | Gas                                      | Cylinder          |                                        | Ambient             |                           | - Acute Health |      |             |  |
|                                                       |             | Type                                     | Days on Site: 365 |                                        | Temperature         |                           |                |      |             |  |
|                                                       |             | Pure                                     |                   |                                        | Ambient             |                           |                |      |             |  |
| Flammable Gas                                         | Methane     | Cu. Feet                                 | 11450             |                                        | 4200                | - Fire                    | Xylene         | 0 %  | 1330-20-7   |  |
|                                                       |             | State                                    | Storage Container |                                        | Pressure            | Waste Code                | Toluene        | 0 %  | 108-88-3    |  |
|                                                       |             | Gas                                      | Other             |                                        | > Ambient           |                           | Ethyl          | 0 %  | 100-41-4    |  |
|                                                       |             | Type                                     | Days on Site: 365 |                                        | Temperature         |                           |                |      |             |  |
|                                                       |             | Mixture                                  |                   |                                        | > Ambient           |                           |                |      |             |  |

# Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 Facility Name **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 10840 Altamont Pass Road, Livermore 94551

Chemical Location  
**Gas Plant # 2**

CERS ID **10188339**

Facility ID

Status **Submitted on 11/17/2016 1:22 PM**

| DOT Code/Fire Haz. Class                           | Common Name                                                             | Unit            | Quantities                                      |               | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) |                  |
|----------------------------------------------------|-------------------------------------------------------------------------|-----------------|-------------------------------------------------|---------------|---------------------|---------------------------|-----------------------------------------|------------------|
|                                                    |                                                                         |                 | Max. Daily                                      | Largest Cont. |                     |                           | Component Name                          | % Wt EHS CAS No. |
| DOT: 4.1 - Flammable Solids<br><br>Flammable Solid | <b>Activated Carbon</b><br>CAS No<br>7440-44-0                          | <b>Pounds</b>   | <b>24000</b>                                    | <b>7150</b>   | <b>24000</b>        | - Fire                    |                                         |                  |
|                                                    |                                                                         | State           | Storage Container                               |               | Pressure            | - Reactive                |                                         |                  |
|                                                    |                                                                         | Solid           | Aboveground Tank                                |               | Ambient             | - Pressure Release        |                                         |                  |
|                                                    |                                                                         | Type            | Days on Site: 365                               |               | Temperature         | - Acute Health            |                                         |                  |
| Flammable Gas                                      | <b>Methane</b><br>CAS No<br>74-82-8                                     | <b>Cu. Feet</b> | <b>2400</b>                                     | <b>300</b>    | <b>2400</b>         | - Fire                    |                                         |                  |
|                                                    |                                                                         | State           | Storage Container                               |               | Pressure            | - Pressure Release        |                                         |                  |
|                                                    |                                                                         | Gas             | Cylinder                                        |               | > Ambient           |                           |                                         |                  |
|                                                    |                                                                         | Type            | Days on Site: 365                               |               | Temperature         | - Chronic health          |                                         |                  |
| Oil Chevron HDAX LFG Gas Engine                    | <b>Oil Sae 40</b><br>CAS No<br>Mixture                                  | <b>Gallons</b>  | <b>1130</b>                                     | <b>1000</b>   | <b>1000</b>         | - Fire                    |                                         |                  |
|                                                    |                                                                         | State           | Storage Container                               |               | Pressure            |                           |                                         |                  |
|                                                    |                                                                         | Liquid          | Aboveground Tank                                |               | Ambient             |                           |                                         |                  |
|                                                    |                                                                         | Type            | Days on Site: 365                               |               | Temperature         |                           |                                         |                  |
| Synthosol-B601 Series (Synthetic Lubricant)        | <b>Synthosol-B601 Series (Synthetic Lubricant)</b><br>CAS No<br>Mixture | <b>Gallons</b>  | <b>165</b>                                      | <b>55</b>     | <b>165</b>          | - Fire                    |                                         |                  |
|                                                    |                                                                         | State           | Storage Container                               |               | Pressure            |                           |                                         |                  |
|                                                    |                                                                         | Liquid          | Tank Inside Building, Plastic/Non-metallic Drum |               | Ambient             |                           |                                         |                  |
|                                                    |                                                                         | Type            | Days on Site: 365                               |               | Temperature         |                           |                                         |                  |



# Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 Facility Name: **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 10840 Altamont Pass Road, Livermore 94551

Chemical Location

**Gas Plant # 2 LNG Plant**

CERS ID: **10188339**

Facility ID

Status: **Submitted on 11/17/2016 1:22 PM**

| DOT Code/Fire Haz. Class | Common Name       | Unit          | Quantities    |                  | Max. Daily        | Avg. Daily   | Annual Waste Amount | Federal Hazard Categories | Component Name                    | Hazardous Components (For mixture only) |            |         |
|--------------------------|-------------------|---------------|---------------|------------------|-------------------|--------------|---------------------|---------------------------|-----------------------------------|-----------------------------------------|------------|---------|
|                          |                   |               | Largest Cont. | Waste Code       |                   |              |                     |                           |                                   | % Wt                                    | EHS        | CAS No. |
|                          | <b>Sulfatreat</b> | <b>Pounds</b> | <b>7150</b>   |                  | <b>66500</b>      | <b>66500</b> |                     | - Acute Health            | Montmorillonite, calcined         | 60 %                                    | 70892-59-0 |         |
|                          | CAS No            | State         |               | Pressure         | Storage Container | Ambient      |                     |                           | Water                             | 30 %                                    | 7732-18-5  |         |
|                          | Mixture           | Solid         |               | Aboveground Tank |                   |              |                     |                           | Iron oxides                       | 30 %                                    | Various    |         |
|                          |                   | Type          |               | Temperature      |                   |              |                     |                           | Silica, crystalline, quartz       | 10 %                                    | 14808-60-7 |         |
|                          |                   | Mixture       |               | Ambient          | Days on Site: 365 |              |                     |                           | Silica, crystalline, Cristobalite | 5 %                                     | 14464-46-1 |         |

# Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Orig. **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 Facility Name **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 10840 Altamont Pass Road, Livermore 94551

Chemical Location  
**Gas plant #1**

CERS ID **10188339**

Facility ID

Status **Submitted on 11/17/2016 1:22 PM**

| DOT Code/Fire Haz. Class                   | Common Name                                      | Unit           | Quantities        |               |             | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) |      |             |
|--------------------------------------------|--------------------------------------------------|----------------|-------------------|---------------|-------------|---------------------|---------------------------|-----------------------------------------|------|-------------|
|                                            |                                                  |                | Max. Daily        | Largest Cont. | Avg. Daily  |                     |                           | Component Name                          | % Wt | EHS CAS No. |
| DOT: 3 - Flammable and Combustible Liquids | <b>Diesel Fuel No. 2</b><br>CAS No<br>68476-34-6 | <b>Gallons</b> | <b>120</b>        | <b>120</b>    | <b>120</b>  |                     |                           |                                         |      |             |
|                                            |                                                  | State          | Storage Container |               | Pressue     |                     | - Fire                    |                                         |      |             |
|                                            |                                                  | Liquid         | Aboveground Tank  |               | Ambient     |                     | - Acute Health            |                                         |      |             |
|                                            |                                                  | Type           |                   |               | Temperature |                     |                           |                                         |      |             |
| Combustible Liquid, Class II               |                                                  | Pure           | Days on Site: 365 |               | Ambient     |                     |                           |                                         |      |             |
| DOT: 3 - Flammable and Combustible Liquids | <b>Diesel Fuel No. 2</b><br>CAS No<br>68476-34-6 | <b>Gallons</b> | <b>150</b>        | <b>150</b>    | <b>150</b>  |                     |                           |                                         |      |             |
|                                            |                                                  | State          | Storage Container |               | Pressue     |                     | - Fire                    |                                         |      |             |
|                                            |                                                  | Liquid         | Aboveground Tank  |               | Ambient     |                     | - Acute Health            |                                         |      |             |
|                                            |                                                  | Type           |                   |               | Temperature |                     | - Chronic health          |                                         |      |             |
| Combustible Liquid, Class II               |                                                  | Pure           | Days on Site: 365 |               | Ambient     |                     |                           |                                         |      |             |

# Hazardous Materials And Wastes Inventory Matrix Report

|                                                                                                                                                                               |                                                                                    |                                                        |                                                           |                                                                                            |                                                                           |                           |                |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------|----------------|---------------------|
| CERS Business/Org: <b>ALTAMONT LANDFILL &amp; RESOURCE(CUPA)</b><br>Facility Name: <b>ALTAMONT LANDFILL &amp; RESOURCE(CUPA)</b><br>10840 Altamont Pass Road, Livermore 94551 |                                                                                    | Chemical Location:<br><b>Gas Plant #1/Gas Plant #2</b> |                                                           | CERS ID: <b>10188339</b><br>Facility ID:<br>Status: <b>Submitted on 11/17/2016 1:22 PM</b> |                                                                           |                           |                |                     |
| DOT Code/Fire Haz. Class                                                                                                                                                      | Common Name<br><b>Calibration Mix (argon, nitrogen, carbon dioxide)</b><br>CAS No: | Unit<br>Cu. Feet<br>State<br>Gas<br>Type<br>Mixture    | Max. Daily<br><b>500</b><br>Storage Container<br>Cylinder | Quantities<br>Largest Cont.<br><b>250</b>                                                  | Annual Waste Amount<br>Avg. Daily<br><b>400</b><br>Pressue<br>Temperature | Federal Hazard Categories | Component Name | % Wt<br>EHS CAS No. |
| Hazardous Components<br>(For mixture only)                                                                                                                                    |                                                                                    |                                                        |                                                           |                                                                                            |                                                                           |                           |                |                     |

# Hazardous Materials And Wastes Inventory Matrix Report

|                                                                  |                  |                                               |                           |
|------------------------------------------------------------------|------------------|-----------------------------------------------|---------------------------|
| CERS Business/Org. <b>ALTAMONT LANDFILL &amp; RESOURCE(CUPA)</b> |                  | CERS ID <b>10188339</b>                       |                           |
| Facility Name <b>ALTAMONT LANDFILL &amp; RESOURCE(CUPA)</b>      |                  | Facility ID                                   |                           |
| 10840 Altamont Pass Road, Livermore 94551                        |                  | Status <b>Submitted on 11/17/2016 1:22 PM</b> |                           |
| Chemical Location<br><b>Gas Plant #1/Maintenance</b>             |                  | Hazardous Components<br>(For mixture only)    |                           |
| DOT Code/Fire Haz. Class                                         | Common Name      | Unit                                          | Quantities                |
|                                                                  |                  |                                               | Max. Daily                |
|                                                                  |                  |                                               | Largest Cont.             |
|                                                                  |                  |                                               | Avg. Daily                |
|                                                                  |                  |                                               | Annual Waste Amount       |
|                                                                  |                  |                                               | Federal Hazard Categories |
|                                                                  |                  |                                               | Component Name            |
|                                                                  |                  |                                               | % Wt                      |
|                                                                  |                  |                                               | EHS CAS No.               |
| DOT: 2.1 - Flammable Gases                                       | <b>Acetylene</b> | <b>Cu. Feet</b>                               | <b>250</b>                |
| Unstable (Reactive), Class 2, Flammable Gas                      | CAS No. 74-86-2  | State                                         | Waste Code                |
|                                                                  |                  | Gas                                           | Pressure                  |
|                                                                  |                  | Type                                          | Temperature               |
|                                                                  |                  | Pure                                          |                           |
|                                                                  |                  |                                               | - Fire                    |
|                                                                  |                  |                                               | - Reactive                |
|                                                                  |                  |                                               | - Pressure Release        |
|                                                                  |                  |                                               | - Acute Health            |

# Hazardous Materials And Wastes Inventory Matrix Report

| CERS Business/Org. ALTAMONT LANDFILL & RESOURCE(CUPA)          |                                     | CERS ID 10188339                        |                   |                          |             |                     |                           |                                                 |      |             |
|----------------------------------------------------------------|-------------------------------------|-----------------------------------------|-------------------|--------------------------|-------------|---------------------|---------------------------|-------------------------------------------------|------|-------------|
| Facility Name ALTAMONT LANDFILL & RESOURCE(CUPA)               |                                     | Facility ID                             |                   |                          |             |                     |                           |                                                 |      |             |
| 10840 Altamont Pass Road, Livermore 94551                      |                                     | Status Submitted on 11/17/2016 1:22 PM  |                   |                          |             |                     |                           |                                                 |      |             |
| Chemical Location Gas Plant #2                                 |                                     | Hazardous Components (For mixture only) |                   |                          |             |                     |                           |                                                 |      |             |
| DOT Code/Fire Haz. Class                                       | Common Name                         | Unit                                    | Max. Daily        | Quantities Largest Cont. | Avg. Daily  | Annual Waste Amount | Federal Hazard Categories | Component Name                                  | % Wt | EHS CAS No. |
| DOT: 2.1 - Flammable Gases<br><br>Flammable Gas, Irritant      | Isobutane (refrigerant)             | Cu. Feet                                | 4500              | 200                      | 2400        |                     | - Fire                    |                                                 |      |             |
|                                                                | CAS No 75-28-5                      | State Storage Container                 |                   |                          | Pressure    | Waste Code          | - Pressure Release        |                                                 |      |             |
|                                                                |                                     | Liquid Cylinder                         |                   |                          | > Ambient   |                     | - Acute Health            |                                                 |      |             |
|                                                                |                                     | Type                                    |                   |                          | Temperature |                     |                           |                                                 |      |             |
|                                                                |                                     | Pure                                    | Days on Site: 365 |                          | Ambient     |                     |                           |                                                 |      |             |
| DOT: 2.1 - Flammable Gases<br><br>Combustible Liquid, Class II | Liquid Compressed Natural Gas (CNG) | Cu. Feet                                | 40000             | 10000                    | 40000       |                     | - Fire                    | Hazardous Component (for mixture or waste only) |      |             |
|                                                                | CAS No 74-82-8                      | State Storage Container                 |                   |                          | Pressure    | Waste Code          | - Pressure Release        |                                                 |      |             |
|                                                                |                                     | Gas Aboveground Tank                    |                   |                          | > Ambient   |                     |                           |                                                 |      |             |
|                                                                |                                     | Type                                    |                   |                          | Temperature |                     |                           |                                                 |      |             |
|                                                                |                                     | Pure                                    | Days on Site: 365 |                          | Ambient     |                     |                           |                                                 |      |             |

# Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org ALTAMONT LANDFILL & RESOURCE(CUPA)  
 Facility Name ALTAMONT LANDFILL & RESOURCE(CUPA)  
 10840 Altamont Pass Road, Livermore 94551

Chemical Location  
 Gas Plant #2 - LNG

CERS ID 10188339

Facility ID

Status Submitted on 11/17/2016 1:22 PM

| DOT Code/Fire Haz. Class                   | Common Name           | Unit         | Quantities        |     | Max. Daily | Avg. Daily  | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) |                  |
|--------------------------------------------|-----------------------|--------------|-------------------|-----|------------|-------------|---------------------|---------------------------|-----------------------------------------|------------------|
|                                            |                       |              | Largest Cont.     | 300 |            |             |                     |                           | Component Name                          | % Wt EHS CAS No. |
| DOT: 3 - Flammable and Combustible Liquids | Ethylidimethylmethane | Cu. Feet     | 4500              | 300 | 2400       | Pressure    | Waste Code          |                           |                                         |                  |
| Flammable Liquid, Class I-A, Irritant      | CAS No 78-78-4        | State Liquid | Storage Container |     |            | Temperature |                     |                           |                                         |                  |
|                                            |                       | Type Pure    |                   |     |            |             |                     |                           |                                         |                  |
|                                            |                       |              | Days on Site: 365 |     |            |             |                     |                           |                                         |                  |

ALTIMONT LANDFILL & RESOURCE(CUPA)  
ALTIMONT LANDFILL & RESOURCE(CUPA)  
10840 Altamont Pass Road, Livermore 94551

## Gas Plant #2 LNG

**CERS ID 10188339**

Facility ID

**Status** Submitted on 11/17/2016 1:22 PM

| DOT Code/Fire Haz. Class   | Common Name | Quantities        |                   |               | Annual Waste Amount | Federal Hazard Categories | Hazardous Components<br>(For mixture only) |                |
|----------------------------|-------------|-------------------|-------------------|---------------|---------------------|---------------------------|--------------------------------------------|----------------|
|                            |             | Unit              | Max. Daily        | Largest Cont. |                     |                           | Avg. Daily                                 | Component Name |
| DOT: 2.1 - Flammable Gases | Ethane      | Cu. Feet          | 4500              | 300           | 2400                | - Fire                    |                                            |                |
|                            | State       | Storage Container |                   |               | Pressure            | - Pressure                |                                            |                |
|                            | Gas         | Cylinder          |                   |               | > Ambient           | Release                   |                                            |                |
|                            | Type        |                   |                   |               | Temperature         |                           |                                            |                |
|                            | Pure        |                   |                   |               | Ambient             |                           |                                            |                |
|                            |             |                   | Days on Site: 365 |               |                     |                           |                                            |                |

# Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 Facility Name **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 10840 Altamont Pass Road, Livermore 94551

Chemical Location  
**Gas Plant #2/Maintenance**

CERS ID **10188339**  
 Facility ID  
 Status **Submitted on 11/17/2016 1:22 PM**

| DOT Code/Fire Haz. Class      | Common Name                         | Unit            | Quantities        |               | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) |                  |
|-------------------------------|-------------------------------------|-----------------|-------------------|---------------|---------------------|---------------------------|-----------------------------------------|------------------|
|                               |                                     |                 | Max. Daily        | Largest Cont. |                     |                           | Component Name                          | % Wt EHS CAS No. |
| DOT: 2.2 - Nonflammable Gases | <b>Nitrogen</b><br>CAS No 7727-37-9 | <b>Cu. Feet</b> | <b>2390</b>       | <b>800</b>    | <b>2300</b>         | - Fire                    |                                         |                  |
|                               |                                     | State           | Storage Container |               | Pressure            | - Reactive                |                                         |                  |
|                               |                                     | Gas             | Cylinder          |               | Ambient             | - Pressure Release        |                                         |                  |
|                               |                                     | Type            |                   |               | Temperature         | - Acute Health            |                                         |                  |
|                               |                                     | Pure            | Days on Site: 365 |               | Ambient             | - Chronic health          |                                         |                  |



# Hazardous Materials And Wastes Inventory Matrix Report

|                                                                                                                                                                               |                                       |                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------|
| CERS Business/Org: <b>ALTAMONT LANDFILL &amp; RESOURCE(CUPA)</b><br>Facility Name: <b>ALTAMONT LANDFILL &amp; RESOURCE(CUPA)</b><br>10840 Altamont Pass Road, Livermore 94551 | Chemical Location<br><b>LNG Plant</b> | CERS ID: <b>10188339</b><br>Facility ID:<br>Status: <b>Submitted on 11/17/2016 1:22 PM</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------|

| DOT Code/Fire Haz. Class                           | Common Name                                                                              | Unit            | Quantities        |               | Annual Waste Amount | Federal Hazard Categories | Component Name |              | Hazardous Components (For mixture only) |                                        |
|----------------------------------------------------|------------------------------------------------------------------------------------------|-----------------|-------------------|---------------|---------------------|---------------------------|----------------|--------------|-----------------------------------------|----------------------------------------|
|                                                    |                                                                                          |                 | Max. Daily        | Largest Cont. |                     |                           | Avg. Daily     | Waste Code   | % Wt                                    | EHS CAS No.                            |
| DOT: 4.1 - Flammable Solids<br><br>Flammable Solid | <b>Activated Carbon</b><br><br>CAS No. 7440-44-0                                         | <b>Pounds</b>   | <b>24000</b>      | <b>2000</b>   | 0                   | - Fire                    | 24000          | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | State           | Storage Container |               |                     | - Reactive                | Pressure       | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | Solid           | Other             |               |                     | - Pressure Release        | Ambient        | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | Type            |                   |               |                     | - Acute Health            | Temperature    | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | Pure            | Days on Site: 365 |               |                     | - Chronic health          | Ambient        | - Waste Code |                                         |                                        |
|                                                    | <b>Calibration Gas - Methane</b><br><br>CAS No.                                          | <b>Cu. Feet</b> | <b>4500</b>       | <b>300</b>    | 2400                |                           | 2400           | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | State           | Storage Container |               |                     |                           | Pressure       | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | Gas             | Cylinder          |               |                     |                           | Temperature    | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | Type            |                   |               |                     |                           |                | - Waste Code |                                         |                                        |
|                                                    | <b>Calibration Mix (argon, nitrogen, carbon dioxide, methane)</b><br><br>CAS No.         | <b>Cu. Feet</b> | <b>800</b>        | <b>200</b>    | 600                 | - Fire                    | 600            | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | State           | Storage Container |               |                     | - Pressure Release        | Pressure       | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | Gas             | Cylinder          |               |                     |                           | Temperature    | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | Type            |                   |               |                     |                           |                | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | Mixture         | Days on Site: 365 |               |                     |                           |                | - Waste Code |                                         |                                        |
|                                                    | <b>Calibration Mix (hydrogen sulfide, Cu. Feet nitrogen)</b><br><br>CAS No.              | <b>Cu. Feet</b> | <b>300</b>        | <b>150</b>    |                     |                           |                | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | State           | Storage Container |               |                     |                           | Pressure       | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | Gas             | Cylinder          |               |                     |                           | Temperature    | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | Type            |                   |               |                     |                           |                | - Waste Code |                                         |                                        |
|                                                    | <b>Calibration Mix (methane, ethane, isobutane, isopentane, nitrogen)</b><br><br>CAS No. | <b>Cu. Feet</b> | <b>800</b>        | <b>200</b>    |                     |                           |                | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | State           | Storage Container |               |                     |                           | Pressure       | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | Gas             | Cylinder          |               |                     |                           | Temperature    | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | Type            |                   |               |                     |                           |                | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | Mixture         | Days on Site: 365 |               |                     |                           |                | - Waste Code |                                         |                                        |
|                                                    | <b>Calibration Mix (oxygen, nitrogen)</b><br><br>CAS No.                                 | <b>Cu. Feet</b> | <b>400</b>        | <b>200</b>    | 400                 |                           | 400            | - Waste Code | 2 %                                     | 7782-44-7<br>7727-37-9                 |
|                                                    |                                                                                          | State           | Storage Container |               |                     |                           | Pressure       | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | Gas             | Cylinder          |               |                     |                           | > Ambient      | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | Type            |                   |               |                     |                           | Temperature    | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | Mixture         | Days on Site: 365 |               |                     |                           | Ambient        | - Waste Code |                                         |                                        |
|                                                    | <b>CTS-1, Adsorbent</b><br><br>CAS No. 1333-84-2                                         | <b>Pounds</b>   | <b>37000</b>      |               | 37000               | - Acute Health            | 37000          | - Waste Code | 75 %<br>25 %<br>1 %                     | 326855-77-0<br>1302-78-9<br>14808-60-7 |
|                                                    |                                                                                          | State           | Storage Container |               |                     |                           | Pressure       | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | Solid           | Aboveground Tank  |               |                     |                           | Temperature    | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | Type            |                   |               |                     |                           |                | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | Mixture         | Days on Site: 365 |               |                     |                           |                | - Waste Code |                                         |                                        |
|                                                    | <b>WCS-2050, Adsorbent</b><br><br>CAS No. 1333-84-2                                      | <b>Pounds</b>   | <b>1200</b>       |               |                     | - Acute Health            |                | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | State           | Storage Container |               |                     |                           | Pressure       | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | Liquid          | Aboveground Tank  |               |                     |                           | Temperature    | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | Type            |                   |               |                     |                           |                | - Waste Code |                                         |                                        |
|                                                    |                                                                                          | Mixture         | Days on Site: 365 |               |                     |                           |                | - Waste Code |                                         |                                        |

# Hazardous Materials And Wastes Inventory Matrix Report

|                                           |  |                                    |  |                      |                                 |
|-------------------------------------------|--|------------------------------------|--|----------------------|---------------------------------|
| CERS Business/Org                         |  | ALTAMONT LANDFILL & RESOURCE(CUPA) |  | CERS ID              | 10188339                        |
| Facility Name                             |  | ALTAMONT LANDFILL & RESOURCE(CUPA) |  | Facility ID          |                                 |
| 10840 Altamont Pass Road, Livermore 94551 |  |                                    |  | Status               | Submitted on 11/17/2016 1:22 PM |
|                                           |  | Chemical Location                  |  | LNG Plant            |                                 |
|                                           |  | Quantities                         |  | Hazardous Components |                                 |
|                                           |  | Max. Daily                         |  | (For mixture only)   |                                 |
|                                           |  | Largest Cont.                      |  | % Wt                 |                                 |
|                                           |  | Avg. Daily                         |  | EHS CAS No.          |                                 |
|                                           |  | Annual Waste Amount                |  |                      |                                 |
|                                           |  | Federal Hazard Categories          |  |                      |                                 |
|                                           |  | Waste Code                         |  |                      |                                 |
|                                           |  | Release                            |  |                      |                                 |
|                                           |  | Acute Health                       |  |                      |                                 |
|                                           |  | Chronic health                     |  |                      |                                 |
|                                           |  | Fire                               |  |                      |                                 |
|                                           |  | Reactive                           |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 8000                               |  |                      |                                 |
|                                           |  | Pressure                           |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Temperature                        |  |                      |                                 |
|                                           |  | Ambient                            |  |                      |                                 |
|                                           |  | Days on Site: 365                  |  |                      |                                 |
|                                           |  | Storage Container                  |  |                      |                                 |
|                                           |  | Aboveground Tank, Cylinder         |  |                      |                                 |
|                                           |  | Type                               |  |                      |                                 |
|                                           |  | Pure                               |  |                      |                                 |
|                                           |  | Unit                               |  |                      |                                 |
|                                           |  | Gallons                            |  |                      |                                 |
|                                           |  | 9000                               |  |                      |                                 |
|                                           |  | 9                                  |  |                      |                                 |

# Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 Facility Name: **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 10840 Altamont Pass Road, Livermore 94551

Chemical Location

**LNG Plant / Fueling Station**

CERS ID: **10188339**

Facility ID

Status: **Submitted on 11/17/2016 1:22 PM**

| DOT Code/Fire Haz. Class | Common Name | Unit    | Quantities        |       | Max. Daily | Avg. Daily | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) |      |             |
|--------------------------|-------------|---------|-------------------|-------|------------|------------|---------------------|---------------------------|-----------------------------------------|------|-------------|
|                          |             |         | Largest Cont.     | 15000 |            |            |                     |                           | Component Name                          | % Wt | EHS CAS No. |
| Liquified Petroleum Gas  | LNG         | Gallons | 60000             | 15000 |            | 15000      |                     | - Fire                    |                                         |      |             |
|                          | CAS No      | State   | Storage Container |       |            | Pressure   | Waste Code          | - Pressure Release        |                                         |      |             |
|                          | 74-82-8     | Gas     | Aboveground Tank  |       |            |            |                     |                           |                                         |      |             |
|                          |             | Type    |                   |       |            |            | Temperature         |                           |                                         |      |             |
|                          |             | Mixture | Days on Site: 365 |       |            |            |                     |                           |                                         |      |             |

# Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 Facility Name **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 10840 Altamont Pass Road, Livermore 94551

Chemical Location  
**Lube/Truck #1**

CERS ID **10188339**

Facility ID

Status **Submitted on 11/17/2016 1:22 PM**

| DOT Code/Fire Haz. Class                   | Common Name              | Unit           | Quantities        |             | Max. Daily  | Avg. Daily  | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) |      |             |
|--------------------------------------------|--------------------------|----------------|-------------------|-------------|-------------|-------------|---------------------|---------------------------|-----------------------------------------|------|-------------|
|                                            |                          |                | Largest Cont.     | 1500        | 1500        | 1500        |                     |                           | Component Name                          | % Wt | EHS CAS No. |
| DOT: 3 - Flammable and Combustible Liquids | <b>Diesel Fuel No. 2</b> | <b>Gallons</b> | <b>1500</b>       | <b>1500</b> | <b>1500</b> | <b>1500</b> | <b>1500</b>         | <b>- Fire</b>             |                                         |      |             |
|                                            | CAS No. 68476-34-6       | State: Liquid  | Storage Container | Pressue     | Ambient     | Waste Code  | - Acute Health      |                           |                                         |      |             |
|                                            |                          | Type: Pure     | Other             | Temperature | Ambient     |             | - Chronic health    |                           |                                         |      |             |
| Combustible Liquid, Class II               |                          |                | Days on Site: 365 |             |             |             |                     |                           |                                         |      |             |

# Hazardous Materials And Wastes Inventory Matrix Report

|                   |                                           |                   |             |                                 |
|-------------------|-------------------------------------------|-------------------|-------------|---------------------------------|
| CERS Business/Org | ALTAMONT LANDFILL & RESOURCE(CUPA)        | Chemical Location | CERS ID     | 10188339                        |
| Facility Name     | ALTAMONT LANDFILL & RESOURCE(CUPA)        | Maintenance       | Facility ID |                                 |
|                   | 10840 Altamont Pass Road, Livermore 94551 |                   | Status      | Submitted on 11/17/2016 1:22 PM |

| DOT Code/Fire Haz. Class                                                                                        | Common Name                                                      | Unit            | Quantities        |                   | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) |                  |
|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------|-------------------|-------------------|---------------------|---------------------------|-----------------------------------------|------------------|
|                                                                                                                 |                                                                  |                 | Max. Daily        | Largest Cont.     |                     |                           | Component Name                          | % Wt EHS CAS No. |
| DOT: 3 - Flammable and Combustible Liquids<br><br>Combustible Liquid, Class II                                  | <b>Diesel Fuel No. 2</b><br>CAS No. 68476-34-6                   | <b>Gallons</b>  | <b>24000</b>      | <b>12000</b>      | 1500                | - Fire                    |                                         |                  |
|                                                                                                                 |                                                                  | State           | Storage Container |                   | Pressure            | - Acute Health            |                                         |                  |
|                                                                                                                 |                                                                  | Liquid          | Aboveground Tank  |                   | Ambient             | - Chronic health          |                                         |                  |
|                                                                                                                 |                                                                  | Type            | Pure              | Days on Site: 365 | Temperature         |                           |                                         |                  |
| DOT: 3 - Flammable and Combustible Liquids<br><br>Combustible Liquid, Class II                                  | <b>Diesel Fuel No. 2</b><br>CAS No. 68476-34-6                   | <b>Gallons</b>  | <b>27750</b>      | <b>12000</b>      | 15000               | - Fire                    |                                         |                  |
|                                                                                                                 |                                                                  | State           | Storage Container |                   | Pressure            | - Acute Health            |                                         |                  |
|                                                                                                                 |                                                                  | Liquid          | Aboveground Tank  |                   | Ambient             | - Chronic health          |                                         |                  |
|                                                                                                                 |                                                                  | Type            | Pure              | Days on Site: 365 | Temperature         |                           |                                         |                  |
| DOT: 3 - Flammable and Combustible Liquids<br><br>Combustible Liquid, Class II                                  | <b>Diesel Fuel No. 2</b><br>CAS No. 68476-34-6                   | <b>Gallons</b>  | <b>400</b>        | <b>400</b>        | 400                 | - Fire                    |                                         |                  |
|                                                                                                                 |                                                                  | State           | Storage Container |                   | Pressure            | - Acute Health            |                                         |                  |
|                                                                                                                 |                                                                  | Liquid          | Aboveground Tank  |                   | Ambient             | - Chronic health          |                                         |                  |
|                                                                                                                 |                                                                  | Type            | Pure              | Days on Site: 365 | Temperature         |                           |                                         |                  |
| DOT: 3 - Flammable and Combustible Liquids<br><br>Flammable Liquid, Class I-B,<br>Other Health Hazard, Irritant | <b>Gas</b><br>CAS No. 8006-61-9                                  | <b>Gallons</b>  | <b>2500</b>       | <b>2500</b>       | 1750                | - Fire                    | Gasoline                                | 100 %            |
|                                                                                                                 |                                                                  | State           | Storage Container |                   | Pressure            | - Chronic health          | Toluene                                 | 7 %              |
|                                                                                                                 |                                                                  | Liquid          | Aboveground Tank  |                   | Ambient             |                           | Xylene                                  | 10 %             |
|                                                                                                                 |                                                                  | Type            | Mixture           | Days on Site: 365 | Temperature         |                           | Benzene                                 | 2 %              |
| DOT: 3 - Flammable and Combustible Liquids<br><br>Flammable Liquid, Class I-B,<br>Other Health Hazard, Irritant | <b>Mobil SHC 630</b><br>CAS No. Mixture                          | <b>Gallons</b>  | <b>110</b>        | <b>55</b>         | 100                 | - Fire                    | 1,2,3 Trimethylbenzene                  | 3 %              |
|                                                                                                                 |                                                                  | State           | Storage Container |                   | Pressure            |                           |                                         |                  |
|                                                                                                                 |                                                                  | Liquid          | Steel Drum        |                   | Ambient             |                           |                                         |                  |
|                                                                                                                 |                                                                  | Type            | Mixture           | Days on Site: 365 | Temperature         |                           |                                         |                  |
| DOT: 2.2 - Nonflammable Gases<br><br>Oxidizing, Class 2                                                         | <b>OIL: MOBIL FLUID 424 (Hydraulic Fluid)</b><br>CAS No. MIXTURE | <b>Gallons</b>  | <b>110</b>        | <b>55</b>         | 100                 | - Fire                    |                                         |                  |
|                                                                                                                 |                                                                  | State           | Storage Container |                   | Pressure            | - Acute Health            |                                         |                  |
|                                                                                                                 |                                                                  | Liquid          | Steel Drum        |                   | Ambient             |                           |                                         |                  |
|                                                                                                                 |                                                                  | Type            | Mixture           | Days on Site: 365 | Temperature         |                           |                                         |                  |
| DOT: 2.2 - Nonflammable Gases<br><br>Oxidizing, Class 2                                                         | <b>Oxygen</b><br>CAS No. 7782-44-7                               | <b>Cu. Feet</b> | <b>1698</b>       | <b>320</b>        | 1000                | - Fire                    |                                         |                  |
|                                                                                                                 |                                                                  | State           | Storage Container |                   | Pressure            | - Pressure Release        |                                         |                  |
|                                                                                                                 |                                                                  | Gas             | Cylinder          |                   | Ambient             |                           |                                         |                  |
|                                                                                                                 |                                                                  | Type            | Pure              | Days on Site: 365 | Temperature         |                           |                                         |                  |
| DOT: 2.2 - Nonflammable Gases<br><br>Oxidizing, Class 2                                                         | <b>Petroleum Oil</b><br>CAS No. N/A Complex Mix                  | <b>Gallons</b>  | <b>110</b>        | <b>55</b>         | 110                 | - Fire                    |                                         |                  |
|                                                                                                                 |                                                                  | State           | Storage Container |                   | Pressure            |                           |                                         |                  |
|                                                                                                                 |                                                                  | Liquid          | Steel Drum        |                   | Ambient             |                           |                                         |                  |
|                                                                                                                 |                                                                  | Type            | Mixture           | Days on Site: 365 | Temperature         |                           |                                         |                  |

# Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 Facility Name **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 10840 Altamont Pass Road, Livermore 94551

Chemical Location  
**Maintenance and Fuel/Lube Truck**

CERS ID **10188339**

Facility ID

Status **Submitted on 11/17/2016 1:22 PM**

| DOT Code/Fire Haz. Class | Common Name                                                     | Unit           | Quantities    |  | Max. Daily                   | Avg. Daily  | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) |      |             |
|--------------------------|-----------------------------------------------------------------|----------------|---------------|--|------------------------------|-------------|---------------------|---------------------------|-----------------------------------------|------|-------------|
|                          |                                                                 |                | Largest Cont. |  |                              |             |                     |                           | Component Name                          | % Wt | EHS CAS No. |
|                          | <b>Castrol Dieselall Engine Oil</b><br>CAS No<br>See Applicable | <b>Gallons</b> | <b>1200</b>   |  | <b>1400</b>                  | 900         |                     |                           | Lubricating Oil Base Stock              | 65 % | 64742-54-7  |
|                          |                                                                 | State          |               |  | Storage Container            | Pressure    |                     |                           | Proprietary Additives                   | 35 % | Mixture     |
|                          |                                                                 | Liquid         |               |  | Aboveground Tank, Tank Wagon | Ambient     |                     |                           |                                         |      |             |
|                          |                                                                 | Type           |               |  |                              | Temperature |                     |                           |                                         |      |             |
|                          |                                                                 | Mixture        |               |  | Days on Site: 365            | Ambient     |                     |                           |                                         |      |             |

# Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 Facility Name: **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 10840 Altamont Pass Road, Livermore 94551

Chemical Location

**Maintenance and Fuel/Lube Truck # 1 & 2**

CERS ID: **10188339**

Facility ID

Status: **Submitted on 11/17/2016 1:22 PM**

| DOT Code/Fire Haz. Class | Common Name                              | Unit           | Quantities        |               |            | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) |      |             |
|--------------------------|------------------------------------------|----------------|-------------------|---------------|------------|---------------------|---------------------------|-----------------------------------------|------|-------------|
|                          |                                          |                | Max. Daily        | Largest Cont. | Avg. Daily |                     |                           | Component Name                          | % Wt | EHS CAS No. |
|                          | <b>Castrol Paradene AW Hydraulic Oil</b> | <b>Gallons</b> | <b>1600</b>       | <b>1200</b>   | <b>900</b> |                     | - Fire                    | Lubricating Oil Base Stock              | 85 % | 64742-65-0  |
|                          | State: <b>Storage Container</b>          | Liquid         | Aboveground Tank  | Tank Wagon    | Pressure   | Waste Code          | - Acute Health            | Proprietary Additives                   | 15 % | Mixture     |
|                          | CAS No                                   | Type           | Days on Site: 365 |               | Ambient    | Temperature         |                           |                                         |      |             |
|                          |                                          | Mixture        |                   |               | Ambient    |                     |                           |                                         |      |             |

# Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 Facility Name: **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 10840 Altamont Pass Road, Livermore 94551

Chemical Location  
**Maintenance and Fuel/Lube Truck #1&2**

CERS ID: **10188339**

Facility ID

Status: **Submitted on 11/17/2016 1:22 PM**

| DOT Code/Fire Haz. Class | Common Name                         | Unit           | Quantities                   |               | Avg. Daily  | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) |      |                 |
|--------------------------|-------------------------------------|----------------|------------------------------|---------------|-------------|---------------------|---------------------------|-----------------------------------------|------|-----------------|
|                          |                                     |                | Max. Daily                   | Largest Cont. |             |                     |                           | Component Name                          | % Wt | EHS CAS No.     |
|                          | <b>Castrol Trans C</b>              | <b>Gallons</b> | <b>1510</b>                  | <b>1200</b>   | 900         |                     | - Fire                    | Lubricating Oil Base Stock              | 80 % | 64742-65-0; 647 |
|                          | <b>Transmission/Drive Train Oil</b> | State          | Storage Container            |               | Pressure    | Waste Code          |                           | Proprietary Additives                   | 20 % | Mixture         |
|                          | CAS No                              | Liquid         | Aboveground Tank, Tank Wagon |               | Ambient     |                     |                           |                                         |      |                 |
|                          | See Applicable                      | Type           |                              |               | Temperature |                     |                           |                                         |      |                 |
|                          |                                     | Mixture        | Days on Site: 365            |               | Ambient     |                     |                           |                                         |      |                 |



# Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 Facility Name: **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 10840 Altamont Pass Road, Livermore 94551

Chemical Location

## Maintenance and Fuel/Lube Trucks # 1 & 2

CERS ID: **10188339**

Facility ID

Status: **Submitted on 11/17/2016 1:22 PM**

|                          |                             | Quantities     |                            |               | Annual Waste |            | Federal Hazard |                            | Hazardous Components |     |                 |
|--------------------------|-----------------------------|----------------|----------------------------|---------------|--------------|------------|----------------|----------------------------|----------------------|-----|-----------------|
| DOT Code/Fire Haz. Class | Common Name                 | Unit           | Max. Daily                 | Largest Cont. | Avg. Daily   | Amount     | Categories     | Component Name             | % Wt                 | EHS | CAS No.         |
|                          | <b>Castrol AP Gear Lube</b> | <b>Gallons</b> | <b>515</b>                 | <b>150</b>    | <b>300</b>   |            | - Fire         | Lubricating Oil Base Stock | 85 %                 |     | 64741-88-4; 647 |
|                          | CAS No. Mixture             | State          | Storage Container          |               | Pressure     | Waste Code |                | Proprietary Additives      | 15 %                 |     | Mixture         |
|                          |                             | Liquid         | Aboveground Tank, Tote Bin |               | Ambient      |            |                |                            |                      |     |                 |
|                          |                             | Type           |                            |               | Temperature  |            |                |                            |                      |     |                 |
|                          |                             | Mixture        | Days on Site: 365          |               | Ambient      |            |                |                            |                      |     |                 |

# Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. ALTAMONT LANDFILL & RESOURCE(CUPA)  
 Facility Name ALTAMONT LANDFILL & RESOURCE(CUPA)  
 10840 Altamont Pass Road, Livermore 94551

Chemical Location  
 Maintenance Shop

CERS ID 10188339

Facility ID

Status Submitted on 11/17/2016 1:22 PM

| DOT Code/Fire Haz. Class      | Common Name                                        | Unit     | Quantities        |               | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) |      |             |
|-------------------------------|----------------------------------------------------|----------|-------------------|---------------|---------------------|---------------------------|-----------------------------------------|------|-------------|
|                               |                                                    |          | Max. Daily        | Largest Cont. |                     |                           | Component Name                          | % Wt | EHS CAS No. |
|                               | Compressed Gas - Argon/Nitrogen ( Calibration Mix) | Cu. Feet | 400               | 325           | 300                 | - Reactive                | Carbon Dioxide                          | 98 % | 124-38-9    |
|                               |                                                    | State    | Storage Container |               | Pressure            | - Acute Health            | Argon                                   | 99 % | 7440-37-1   |
|                               |                                                    | Gas      | Cylinder          |               | Ambient             |                           | Nitrogen                                |      | Balance     |
|                               |                                                    | Type     |                   |               | Temperature         |                           |                                         |      |             |
|                               | MIXTURE                                            | Mixture  |                   |               | Ambient             |                           |                                         |      |             |
| DOT: 2.2 - Nonflammable Gases | Oxygen                                             | Cu. Feet | 1698              | 282           |                     | - Fire                    |                                         |      |             |
|                               |                                                    | State    | Storage Container |               | Pressure            | - Pressure Release        |                                         |      |             |
|                               |                                                    | Gas      | Cylinder          |               |                     |                           |                                         |      |             |
|                               |                                                    | Type     |                   |               | Temperature         |                           |                                         |      |             |
| Oxidizing, Class 2            |                                                    | Pure     | Days on Site: 365 |               |                     |                           |                                         |      |             |

# Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: ALTAMONT LANDFILL & RESOURCE(CUPA)  
 Facility Name ALTAMONT LANDFILL & RESOURCE(CUPA)  
 10840 Altamont Pass Road, Livermore 94551

Chemical Location

Maintenance Shop,LNG Plant

CERS ID 10188339

Facility ID

Status Submitted on 11/17/2016 1:22 PM

| DOT Code/Fire Haz. Class                     | Common Name                               | Unit    | Quantities                |    | Max. Daily | Avg. Daily | Annual Waste Amount | Federal Hazard Categories | Component Name | Hazardous Components (For mixture only) |             |
|----------------------------------------------|-------------------------------------------|---------|---------------------------|----|------------|------------|---------------------|---------------------------|----------------|-----------------------------------------|-------------|
|                                              |                                           |         | Largest Cont.             | 55 | 55         | 55         | 220                 |                           |                | % Wt                                    | EHS CAS No. |
| Combustible Liquid, Class III-B,<br>Irritant | (Used Antifreeze )<br>CAS No.<br>107-21-1 | Gallons | 55                        | 55 | 55         | 55         | 220                 | - Acute Health            |                |                                         |             |
|                                              |                                           | State   | Storage Container         |    |            |            |                     | - Chronic health          |                |                                         |             |
|                                              |                                           | Liquid  | Plastic/Non-metallic Drum |    |            |            |                     |                           |                |                                         |             |
|                                              |                                           | Type    | Waste                     |    |            |            |                     |                           |                |                                         |             |
|                                              |                                           |         | Days on Site: 365         |    |            |            |                     |                           |                |                                         |             |

# Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 Facility Name: **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 10840 Altamont Pass Road, Livermore 94551

Chemical Location  
**Maintenance,LubeTruck # 1&2 ; Gas Plant # 1&2**

CERS ID: **10188339**

Facility ID

Status: **Submitted on 11/17/2016 1:22 PM**

| DOT Code/Fire Haz. Class | Common Name | Unit                          | Quantities |               | Avg. Daily  | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) |                  |
|--------------------------|-------------|-------------------------------|------------|---------------|-------------|---------------------|---------------------------|-----------------------------------------|------------------|
|                          |             |                               | Max. Daily | Largest Cont. |             |                     |                           | Component Name                          | % Wt EHS CAS No. |
|                          | (Used Oil)  | Gallons                       | 3365       | 1660          | 1200        | 6765                | - Fire                    |                                         |                  |
|                          | State       | Storage Container             |            |               | Pressure    | Waste Code          |                           |                                         |                  |
|                          | Liquid      | Aboveground Tank, Steel Drum, |            |               | Ambient     |                     |                           |                                         |                  |
|                          | Type        | Tank Wagon                    |            |               | Temperature |                     |                           |                                         |                  |
|                          | Waste       | Days on Site: 365             |            |               | Ambient     |                     |                           |                                         |                  |

# Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. ALTAMONT LANDFILL & RESOURCE(CUPA)  
 Facility Name ALTAMONT LANDFILL & RESOURCE(CUPA)  
 10840 Altamont Pass Road, Livermore 94551

Chemical Location  
 Maintenance/Service Trucks/IC Engines/LNG Plant

CERS ID 10188339

Facility ID

Status Submitted on 11/17/2016 1:22 PM

| DOT Code/Fire Haz. Class                     | Common Name                    | Unit    | Quantities                   |               |             | Annual Waste Amount | Federal Hazard Categories | Hazardous Components (For mixture only) |      |             |
|----------------------------------------------|--------------------------------|---------|------------------------------|---------------|-------------|---------------------|---------------------------|-----------------------------------------|------|-------------|
|                                              |                                |         | Max. Daily                   | Largest Cont. | Avg. Daily  |                     |                           | Component Name                          | % Wt | EHS CAS No. |
| Combustible Liquid, Class III-B,<br>Irritant | Antifreeze<br>CAS No. 107-21-1 | Gallons | 1880                         | 880           |             |                     | - Acute Health            |                                         |      |             |
|                                              |                                | State   | Storage Container            |               | Pressure    | Waste Code          | - Chronic health          |                                         |      |             |
|                                              |                                | Liquid  | Aboveground Tank, Steel Drum |               | Temperature |                     |                           |                                         |      |             |
|                                              |                                | Type    | Pure                         |               |             |                     |                           |                                         |      |             |
|                                              |                                |         | Days on Site: 365            |               |             |                     |                           |                                         |      |             |

# Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 Facility Name **ALTAMONT LANDFILL & RESOURCE(CUPA)**  
 10840 Altamont Pass Road, Livermore 94551

Chemical Location  
**WWF**

CERS ID **10188339**

Facility ID

Status Submitted on 11/17/2016 1:22 PM

Hazardous Components  
 (For mixture only)

| DOT Code/Fire Haz. Class                      | Common Name              | Unit            | Max. Daily                            | Quantities<br>Largest Cont. | Avg. Daily             | Annual<br>Waste<br>Amount | Federal Hazard<br>Categories | Component Name | % Wt | EHS CAS No. |
|-----------------------------------------------|--------------------------|-----------------|---------------------------------------|-----------------------------|------------------------|---------------------------|------------------------------|----------------|------|-------------|
| DOT: 3 - Flammable and<br>Combustible Liquids | <b>Diesel Fuel No. 2</b> | <b>Gallons</b>  | <b>400</b>                            | <b>400</b>                  | 400                    |                           | - Fire                       |                |      |             |
|                                               | CAS No<br>68476-34-6     | State<br>Liquid | Storage Container<br>Aboveground Tank |                             | Pressue<br>Ambient     | Waste Code                | - Acute Health               |                |      |             |
| Combustible Liquid, Class II                  |                          | Type<br>Pure    | Days on Site: 365                     |                             | Temperature<br>Ambient |                           |                              |                |      |             |