

**PUBLIC AWARENESS PROGRAM  
FOR PIPELINE OPERATOR**

OPERATOR ID 30965  
GAS TRANSMISSION PIPELINE IN CALIFORNIA  
MARTINEZ, CALIFORNIA 94553

Prepared for:  
**BULLDOG GAS & POWER, LLC**  
P.O. Box 2362  
Martinez, California 94553

Prepared by:

**NJF Engineering**  
6237 Gordon Valley Road  
Napa, California 94558  
Phone: (925) 783-0081  
wastexpert@aol.com



Nicholas J. Farros, Sr., P.E.  
Engineering Manager  
RCE 38115

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# 1. PREFACE

## 1.1 U.S. Department of Transportation Required Information

1. OPS-issued Operator Identification Number (OpID): **30965**
2. Pipeline Operator Name: **Bulldog Gas & Power, LLC (Formerly Acme Fill Corp.)**
3. Person to contact name, e-mail address, and phone number:  
**Mr. Chris Charrette, Plant Manager**  
**CDCharrette@acmelandfill.com**  
**(925) 228-7099, ext. 15**
4. The type, or types, of pipelines covered by the OpID: **landfill gas transmission pipeline**
5. **Bulldog Gas & Power, LLC, operates an intrastate pipeline in California.**

## 1.2 Site Background

The Acme Landfill is located at 950 Waterbird Way, Martinez, California 94553. The Acme Landfill consists of the closed North and South Parcels, and the operating East Parcel. Landfill gas generated by the North and East Parcels is captured and processed by a gas collection and control system. The gas collection systems for the North and East Parcel are operated compliant with the State of California, Bay Area Air Quality Management District (BAAQMD) permit requirements.

The landfill gas processing facilities consist of a flare and a gas compression plant used to deliver processed landfill gas. Through a lease agreement, BGP operates a 6-inch diameter underground high-density polyethylene (HDPE) plastic pipeline that is owned by Acme Fill Corporation (Acme). This pipeline transports landfill gas from the Acme Landfill to a single dedicated customer, Central Contra Costa Sanitary District (CCCSD). The operator is defined as a **landfill Gas Transmission Pipeline Operator** per *API RP 1162*. Residential developments and businesses near or adjacent to the pipeline are the Vinehill neighborhood, Republic Services Transfer Station, Conco, and Discovery Builders.

This approximate 2.5-mile long pipeline is primarily located on uninhabited private property and is aligned in a Chevron Pipeline corridor for approximately 40 percent of the route. The landfill gas delivered to CCCSD typically contains about 50% methane with the balance consisting of carbon dioxide and nitrogen. Gas delivery pressure is no more than 35 pounds per square inch, with flow rates of 300-400 cubic feet per minute. The landfill gas is naturally odorized.

Products that are used in our everyday lives are transported by pipelines, and pipelines are the safest and most reliable means of transport of these products (National Transportation Safety Board). The potential risk hazard of the pipeline to the public is low. Acme is proud that landfill gas generated from the decomposing solid waste at its landfill has been reliably and safely delivered to its sole customer, CCCSD, over the last two decades for use as an environmentally responsible alternative fuel.

Mailing Address of Pipeline Operator:

Bulldog Gas & Power, LLC.  
P.O. Box 2362  
Martinez, California 94553

Physical Address of Pipeline Operator:

Bulldog Gas & Power, LLC.  
890 Waterbird Way  
Martinez, California 94553

Mailing Address of Pipeline Owner:

Acme Fill Corporation  
P.O. Box 1108  
Martinez, California 94553

Physical Address of Pipeline Owner:

Acme Fill Corporation  
950 Waterbird Way  
Martinez, California 94553

## **2 OBJECTIVES OF PUBLIC AWARENESS PROGRAM**

The objectives of this *PAP* are:

1. to raise the public's awareness of the presence of the landfill gas pipeline,
2. to assist in preventing accidental damage to the pipeline, and
3. to assist stakeholder audiences to understand how to respond to a pipeline emergency.

### 3 NORMATIVE REFERENCES

This *Public Awareness Program (PAP) for Pipeline Operator, Operator ID 30965, Bulldog Gas & Power, LLC, Gas Transmission Pipeline in California, Martinez, California 94553* complies with *Public Awareness Programs for Pipeline Operators, ANSI/API Recommended Practice 1162*; and U.S. DOT Title 49 Code of Federal Regulation (CFR) Part 192, *Transportation of Natural and Other Gas by Pipeline: Minimum Federal Safety Standards*; and U.S. DOT Title 49 Code of Federal Regulation (CFR) Part 195, *Transportation of Hazardous Liquids by Pipeline*.

## 4 MANAGEMENT COMMITMENT

BGP and Acme are committed to:

- enforcing company policies and procedures to achieve safe and healthy work places for its employees, surrounding community and the environment,
- the prevention of damage to the pipeline, and
- the safe and reliable operation of the landfill gas pipeline.

As Management, we fully support and will continue to participate in this PAP; and will provide resources and funding for the administration, development and implementation of the PAP.

BGP is an active member of the Northern California Underground Service Alert (USA) one-call center. BGP routinely submits the annual reports regarding the landfill gas pipeline operations to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration

Because of the relatively low gas delivery pressures of not more than 35 pounds per square inch; uninhabited private property that the pipeline routes through, it was determined that **the pipeline does not produce a high consequence area (HCA)**. The landfill gas pipeline has been accident, incident, and leak free in its operating history.

## 5 PROGRAM ADMINISTRATION

The *PAP* Administrator is:

Mr. Chris Charrette, Plant Manager  
Bulldog Gas & Power, LLC.  
P.O. Box 2362  
Martinez, California 94553  
CDCharrette@acmelandfill.com  
(925) 228-7099, ext. 15

The role and responsibility of the *PAP* administrator is to support, evaluate and update the *PAP*; interact with the stakeholder audiences, including affected public, emergency officials, public officials, and excavators regarding the landfill gas pipeline operations.

The *PAP* Environmental Monitor is:

Mr. Patrick Lacey, Certified Industrial Hygienist (CIH), Environmental Compliance Manager  
Bulldog Gas & Power, LLC.  
P.O. Box 2362  
Martinez, California 94553  
PALacey@acmelandfill.com  
(925) 228-7099, ext. 16

The role and responsibility of the *PAP* environmental monitor is to support, evaluate and update the *PAP*; document the delivery frequency and delivery methods to meet baseline public awareness program provisions, document communication materials regarding the *PAP* and landfill gas pipeline operations; determine future funding, internal and external resource requirements.

## 6 PIPELINE SYSTEMS

The single pipeline asset covered by this *PAP* is a 6-inch diameter underground high density polyethylene (HDPE) pipeline owned by Acme and operated by BGP. This pipeline transports landfill gas from the Acme Landfill to CCCSD.

## 7 STAKEHOLDER AUDIENCES

The four stakeholder audiences identified for this *PAP* are described below.

### 7.1 Affected Public

This approximate 2-mile long pipeline is primarily located on uninhabited private property and is aligned in a Chevron Pipeline corridor for approximately 40 percent of the route. Because of the relatively low gas delivery pressures of not more than 35 pounds per square inch; uninhabited private property that the pipeline routes through, it was determined that **the pipeline does not produce a high consequence area (HCA)**. Thus, the affected public notification area, or minimum coverage area, is based on the calculated Potential Impact Radius (PIR) on either side of the pipeline right-of-way (ROW).

The **affected public** are residents and/or businesses located near or adjacent to the landfill gas pipeline. The affected public may include people who live or work adjacent to the pipeline and places of congregation located within the PIR on either side of the pipeline ROW; and may include residents, farmers, homeowners associations or groups, neighborhood organizations, businesses, schools, places of worship, hospitals and other medical facilities, parks and recreational areas, daycare facilities, playgrounds, etc. Residential developments and businesses near or adjacent to the pipeline are the Vinehill neighborhood, Transfer Station, Conco, and Discovery Builders.

An address list of the affected public within the PIR on either side of the pipeline ROW will be ascertained from a land and title company, direct-mail vendor, or an equivalent service provider, or other method.

### 7.2 Public Officials

The **public officials** have local, city, county, state, regional or federal jurisdiction on land use and traffic in the area of the pipeline; and may include planning boards, zoning boards, licensing departments, permitting departments, building code enforcement departments, city and county managers, public and government officials, public utility boards, local governing councils, and public officials who manage franchise or license agreements.

The contact list of public officials is presented in Table 7-1.

<b>Table 7-1 PUBLIC OFFICIALS</b>	
<b>Agency</b>	<b>Phone Number</b>
Central Contra Costa County Sanitary District 5019 Imhoff Place Martinez, California 94553	(925) 228-9500
Current Planning (Contra Costa Planning Department) 30 Muir Road Martinez, California 94553	(925) 655-2705
District 5 - Supervisor 1025 Escobar Street Martinez, California 94553	(925) 608-4200

**7.3 Emergency Officials**

The **emergency officials** are the local, city, county, state or federal agencies that have emergency and public safety jurisdiction over the pipeline area; and may include the local fire department, police and sheriff departments, emergency management agencies, county and state emergency management agencies, and 911 centers.

The contact list of emergency officials is presented below.

- Emergency response agencies identified on Table 7-2, EMERGENCY OFFICIALS, CALL 911 FOR ALL EMERGENCY SITUATIONS REQUIRING ASSISTANCE

The contact lists of emergency officials awareness of hazards and prevention measures undertaken are updated as needed to ensure continued compliance. Any additional information is available on the BGP sponsored website by visiting:

<http://www.bulldoggaspower.com>.

**Table 7-2  
EMERGENCY OFFICIALS  
CALL 911 FOR ALL EMERGENCY SITUATIONS REQUIRING ASSISTANCE**

Agency	Phone Number	For Emergency Situation
Contra Costa Hazardous Materials Programs: Hazardous Material Specialist 4585 Pacheco Boulevard, Suite 100 Martinez, California 94553	(925) 335-3232	All emergency situations requiring assistance  <b>SPILL PRIMARY AUTHORITY</b>
California Office of Emergency Management Services/Coastal Regional Office 5140 Business Center Drive Fairfield, California 94534	(800) 852-7550	All emergency situations requiring assistance  <b>EARTHQUAKE PRIMARY AUTHORITY</b>  FIRE/EXPLOSION SECONDARY AUTHORITY
Contra Costa County Fire Protection District 4005 Port Chicago Highway, Suite 250 Concord, California 94520	(925) 933-1313	<b>FIRE/EXPLOSION PRIMARY AUTHORITY</b>  EARTHQUAKE SECONDARY AUTHORITY

## 7.4 Excavators

The **excavators** are contractors, companies, local and state government agencies that conduct trenching and excavating activities, land development and planning. Excavators may include construction companies, excavation equipment rental companies, public works departments, local and state departments of transportation, fence building companies, drain tilling companies, landscapers, well drillers, land developers, home builders, etc.

Prior to digging, excavating or doing any type of construction work, excavators must contact the Northern California Underground Service Alert (USA) One-Call center by **calling 811** to obtain the locations of any underground utilities, and any additional details and requirements. The public may obtain additional One Call information by visiting [www.811beforeyoudig.com](http://www.811beforeyoudig.com). The list of Excavators are identified in Table 7-3.

This USA One-Call center established by the Federal Communication Commission (FCC) will collect information about the location of the proposed excavation site and will contact the companies in the areas that operate underground facilities. A representative from the appropriate company will

be sent to the proposed excavation site to mark the locations of underground utilities FREE-of-charge to the caller. BGP is an active member of the Northern California USA One-Call center.

<b>Table 7-3 EXCAVATORS</b>	
<b>Agency</b>	<b>Phone Number</b>
Central Contra Costa County Sanitary District 5019 Imhoff Place Martinez, California 94553	(925) 228-9500
Contra Costa Public Works Department 255 Glacier Drive Martinez, California 94553	(925) 313-2000
Discovery Homes 5099 Commercial Circle, Suite 100 Concord, California 94520	(925) 682-6419
Overaa Construction 200 Parr Boulevard Richmond, California 94801	(510) 234-0926
Fremont Paving Company, Inc. 38370 Cedar Boulevard Newark, California 94560	(510) 797-3553
Pacific Gas & Electric Utility Crew 4801 Oakport Street Oakland, California 94601	(800) 468-4743

## 8 MESSAGES

Baseline messages topics will include:

- Damage prevention
- Emergency preparedness
- Leak/damage recognition and response
- National Pipeline Mapping System (NPMS)
- One Call requirements
- Pipeline location information
- Possible hazards for unintended releases
- ROW encroachment
- Additional Information

## **9 DELIVERY FREQUENCIES AND METHODS**

### **9.1 Delivery Frequencies**

The frequency of message delivery for the baseline program to the stakeholder audiences will follow the API RP 1162 outlined in Table A.1-Hazardous Liquids and National Gas Transmission Pipeline Operators (see Attachments), and will be at a minimum:

- once every two (2) years to the affected public,
- once every year to the emergency officials,
- once every two (2) years to the public officials, and
- once every year to the excavators.

### **9.2 Delivery Methods**

#### **9.2.1. Newsletters**

The current delivery method of communicating public awareness messages to the identified stakeholder audiences is via the community and neighborhood newsletters written in English and distributed via U.S. mail (mass mailings) and/or e-mail to all of the recipient addresses listed in Section 5 - STAKEHOLDER AUDIENCES.

The U.S. Census Bureau stated that the population in the vicinity of the pipeline is English speaking. Management may write the messages in other languages commonly understood by a significant number and concentration of the non-English speaking population in the vicinity of the pipeline.

#### **9.2.2. Personal Contact and Meetings with Emergency and Public Officials**

Personal contact and meetings are conducted periodically throughout the year between representatives of BGP and Acme, and emergency and public officials regarding the landfill and pipeline operations, emergency preparedness, and emergency responder liaison activities.

### 9.2.3. Pipeline Markers

Pipeline markers will identify the general location of the pipeline; thus, will raise the public awareness of the presence of the landfill gas pipeline. The information will include how to identify the landfill gas pipeline by recognizing pipeline markers, and how to understand the written content stated on the pipeline markers.

### 9.2.4. <http://www.bulldoggaspower.com>

The Public awareness messages and the *PAP* are available on the BGP sponsored website by visiting <http://www.bulldoggaspower.com>. Because of the accessibility to the internet, baseline message content and delivery method for the identified stakeholder audiences include electronic media. Via the website, the public have the opportunity to provide feedback, input and comment to the *PAP*.

### 9.2.5. One-Call Center

Prior to digging, excavating or doing any type of construction work, excavators must contact the Northern California Underground Service Alert (USA) One-Call center by **calling 811** to obtain the locations of any underground utilities, and any additional details and requirements. The public may obtain additional One Call information by visiting [www.811beforeyoudig.com](http://www.811beforeyoudig.com).

This USA One-Call center established by the Federal Communication Commission (FCC) will collect information about the location of the proposed excavation site and will contact the companies in the areas that operate underground facilities. A representative from the appropriate company will be sent to the proposed excavation site to mark the locations of underground utilities FREE-of-charge to the caller. BGP is an active member of the Northern California USA One-Call center.

## **10 PROGRAM IMPLEMENTATION AND ENHANCEMENTS**

### **10.1 Program Implementation**

Acme will provide monetary support to fully fund and implement this *PAP*. Acme has identified the technical professionals listed in Section 3 - PROGRAM ADMINISTRATION to implement the *PAP*; and maintains a website designer to develop and update the website. External resources or consultants that may be needed are a land and title company, direct-mail vendor or an equivalent service provider.

The public will have the opportunity to provide feedback, input and comments on the *PAP* by contacting the *PAP* Administrator (see Section 3 - PROGRAM ADMINISTRATION), by telephone, in person, at meetings, or through the website by visiting <http://www.bulldoggaspower.com>. All feedback collected and received from the affected public, emergency and public officials, excavators, and any other internal and external sources regarding the *PAP* will be collected and documented.

### **10.2 Program Enhancements**

As needed, the *PAP* Administrator and *PAP* Environmental Monitor will evaluate the *PAP*, and will determine if some additional level of public awareness communication is warranted beyond the baseline program, if supplemental public awareness delivery methods may be more effective, and if enhancements to the *PAP* are warranted. Factors for consideration are:

- potential hazards;
- high consequence areas;
- population density in the vicinity of the pipeline;
- land development activities and changes in land zoning;
- agricultural activity;
- third-party damage incidents;
- environmental considerations;
- pipeline history in an area;
- specific local situations;
- regulatory actions;
- results from previous public awareness program evaluations.

PAP enhancements that may be considered are:

- changing the interval or frequency of providing formal communications to the stakeholder audiences,
- additional or tailored message content to the stakeholder audiences;
- alternative delivery methods to more effectively communicate with the stakeholder audiences; and
- increased coverage area of the stakeholder audiences.

# 11 EVALUATION

## 11.1 Assess Program Implementation

In January of every year, the PAP Administrator and PAP Environmental Monitor will conduct an annual evaluation of the PAP by completing an internal self-assessment; and will document whether changes and improvements are needed or not. The annual evaluation may employ standard forms, such as the *Sample Annual Internal Self-assessment*, or the *Public Awareness Program Effectiveness Inspection, Specific Information*. Any recommended changes and modifications to improve the process and program effectiveness will be on the basis of:

- whether the *PAP* is effective in raising the public's awareness of the presence of the landfill gas pipeline, assisting in preventing accidental damage to the pipeline, and to assist stakeholder audiences to understand how to respond to a pipeline emergency; and
- whether the *PAP* is being implemented as planned and documented appropriately.

## 11.2 Measure Program Effectiveness

The effectiveness of the PAP may be assessed using quantitative and/or qualitative measures:

- to determine if the public awareness messages are getting to the intended stakeholder audiences;
- to evaluate the effectiveness of the delivery methods; and
- to evaluate the effectiveness of the message content and message comprehension by the stakeholder audience.

The annual evaluation of the *PAP* will include the tasks outlined below.

- The records of public feedback, input, comments received by telephone, by personal contact, at meetings, and via the website will be evaluated to determine any program and process changes that may improve program effectiveness.
- The records of actual pipeline incidences and any resulting damages to the pipeline, personnel and to the community will be reviewed. An effectiveness determination will be made as to whether pipeline safety actions and emergency responses undertaken were consistent with the public awareness communications.

On the basis of the annual evaluation of the PAP, the PAP Administrator and PAP Environmental Monitor will determine any program changes or modifications to improve the process and program effectiveness. These program changes or modifications will be documented; thus, resulting in an updated *PAP*. To ensure continued compliance, the PAP Environmental Monitor will determine future funding, internal and external resource requirements for the updated *PAP*.

### **11.3 Bottom-Line Results**

The landfill gas pipeline has been accident, incident, and leak free in its operating history. Therefore, our bottom-line results do not require changes or modifications to the *PAP*.

## 12 DOCUMENTATION

The PAP Environmental Monitor will retain documentation relating to the *PAP* to demonstrate that the PAP is in compliance with the API RP 1162. The records retention period will be five (5) years. The documents may include:

- communication materials distributed to stakeholder audiences;
- address lists, records, or other documentation of communications with stakeholder audiences;
- records of public feedback, input, comments received by telephone, by personal contact, at meetings, and via the website;
- records of actual pipeline incidences and any resulting damages to the pipeline, personnel and to the community;
- e-mails of communications with stakeholder audiences;
- postage receipts for mass mailings;
- meeting minutes, sign-in sheets;
- inspections by regulatory agencies;
- PAP enhancements; and
- annual evaluation, PAP changes and modifications to improve the process and program effectiveness, and any follow-up actions.