

# Sumas Generating Station and Pipeline

## EMERGENCY RESPONSE PLAN

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# Users Guide

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## **Generating Station Staff**

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**Purpose of this plan:**

This document is intended to provide guidance for responding to emergencies on the pipeline serving the Sumas Generating Station which is isolated from our franchised distribution service territory.

This plan is not intended to be a detailed and comprehensive emergency plan. For those details, please refer to the Corporate Emergency Plan, Gas Operating Standards and Field Procedures.

In the case that this document conflicts with the Corporate Emergency Plan, Gas Operating Standards or Field Procedures, those documents shall take precedence.

**How Sumas Generating Station is served**

**Regular business hours:**

During regular business hours we will first utilize employees who are working at the Generating Station and get Gas Operations employees enroute from Snohomish County. This could include Gas First Response personnel and/or SC&P.

When personnel from Gas Operations travel to the Sumas area for regular duties they should notify Gas Control and Gas Operations Dispatch to let them know they will be in the area, and for approximately how long.

Gas Control	XXXXXXXXXXXX
Gas Operations Dispatch	XXXXXXXXXXXX

**After Hours:**

Outside of normal business hours we will first contact the Gas First Response and System Control & Protection employees who live closest to Sumas. If none of these people are available, use the normal callout procedure, calling the closest person(s) to the emergency.

**What to do if highways are closed and support is needed:**

If inclement weather, an accident or incident has the primary routes (I-5 and SR-9) closed and support personnel or material are required from the service area, call the System Manager at [XXXXXXXX], [XXXXXXXXXXXX] or [XXXXXXXXXXXX] to make arrangements for aerial transport to Sumas.

PUBLIC VERSION

**PSE gas staff who reside nearest to Sumas or are responsible for the pipeline and stations in the Sumas Area**

Name	Home	Cell		Job
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX		Pressure Control
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX		Instrumentation
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX		PI Inspector
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX		CFS Technician
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX		CFS Technician
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX		Pressure Control
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX		CFS Technician
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX		Industrial Meter Operations
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX		PI Inspector
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX		GFR Supervisor
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX		Pressure Control Supervisor
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX		Instrumentation Supervisor

- These personnel have received basic training on pipeline and station operations and using the main line valves to control the 8" high pressure transmission line.
- Call PI Inspectors for emergency locates.

**PSE support Staff in Whatcom County –**

Knowledge of area and keys to facilities

**PSE Generating Station Staff**

Name	Home	Cell	Office	Job
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	Plant Manager
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	Plant O&M Supervisor
XXXXXXXXXXXXXX			XXXXXXXXXXXXXX	
XXXXXXXXXXXXXX			XXXXXXXXXXXXXX	CT Journey Worker
XXXXXXXXXXXXXX		XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	CT Journey Worker
XXXXXXXXXXXXXX			XXXXXXXXXXXXXX	CT Journey Worker

**PSE Electric servicemen in Whatcom County**

Name	Home	Cell	Pager	Job
XXXXXXXXXXXXXX		XXXXXXXXXXXXXX		Service Lineman
XXXXXXXXXXXXXX		XXXXXXXXXXXXXX		Service Lineman
XXXXXXXXXXXXXX		XXXXXXXXXXXXXX		Service Lineman
XXXXXXXXXXXXXX		XXXXXXXXXXXXXX		Service Lineman
XXXXXXXXXXXXXX		XXXXXXXXXXXXXX		Service Lineman
XXXXXXXXXXXXXX		XXXXXXXXXXXXXX		Service Lineman

**PUBLIC VERSION**

## Emergency Numbers

<b>Police / Fire / 911 / Emergency Management</b>		
Whatcom County 911	Dispatch	XXXXXXXXXXXXXXXXXX
Whatcom County Emergency Management		XXXXXXXXXXXXXXXXXX
Washington State Patrol		XXXXXXXXXXXXXXXXXX
Sumas Police Department		XXXXXXXXXXXXXXXXXX
Sumas Fire Department	Chief Debruin Mobile	XXXXXXXXXXXXXXXXXX
Bellingham Fire Department		XXXXXXXXXXXXXXXXXX
Lynden Fire Department	Chief Barr	XXXXXXXXXXXXXXXXXX
<b>Puget Sound Energy – Gas and Electric Operations</b>		
Gas Control	PSE ext Outside dialing	XXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXX
Gas Operations Dispatch	PSE ext Outside dialing	XXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXX
Load Office	PSE ext Outside dialing Toll free	XXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXX
System Operations Supervisor	Toll Free	XXXXXXXXXXXXXXXXXX
<b>U.S. Government – Department of Homeland Security</b>		
U.S. Customs		XXXXXXXXXXXXXXXXXX
U.S. Border Patrol		XXXXXXXXXXXXXXXXXX
Canada Customs (Canada Border Services Agency)		XXXXXXXXXXXXXXXXXX
<b>Sumas Generating Station</b>		
Generating Station	24 hour	XXXXXXXXXXXXXXXXXX
Control Room Mobile phone	Emergency only	XXXXXXXXXXXXXXXXXX
Plant O&M Supervisor		XXXXXXXXXXXXXXXXXX
Plant Manager		XXXXXXXXXXXXXXXXXX
<b>Other Utilities and Pipelines</b>		
Westcoast Energy / Spectra Energy	Gas Control	XXXXXXXXXXXXXXXXXX
Williams Pipeline Sumas District Office	Office Gas Control	XXXXXXXXXXXXXXXXXX
Cascade Natural Gas	Dispatch	XXXXXXXXXXXXXXXXXX
<b>Contractors</b>		
Infrasource Contractors XXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXX	Office	XXXXXXXXXXXXXXXXXX
Snelson Companies Inc.		XXXXXXXXXXXXXXXXXX

PUBLIC VERSION

# Huntingdon (Sumas) Area Pipeline 24/7 Emergency Contacts

2015/16

Company	Name	Phone Number
Fortis BC	Gas Control - (Surrey)	XXXXXXXXXXXXXXXXXX
	Gas Control Satellite phone (Surrey)	XXXXXXXXXXXXXXXXXX
Spectra Energy	Gas Control - (Calgary) Main	XXXXXXXXXXXXXXXXXX
	Gas Control - (Fort St John) Back up	XXXXXXXXXXXXXXXXXX
Williams – North West Pipelines (North)	Gas Control - (Salt Lake)	XXXXXXXXXXXXXXXXXX
	Gas Control Satellite phone (Salt Lake)	XXXXXXXXXXXXXXXXXX
Puget Sound Energy	Gas Control - North Console (Bellevue)	XXXXXXXXXXXXXXXXXX
	Gas Control - South Console (Bellevue)	XXXXXXXXXXXXXXXXXX
Cascade Natural Gas	Gas Control - (Kennewick)	XXXXXXXXXXXXXXXXXX
BP	Gas Control - (Tulsa)	XXXXXXXXXXXXXXXXXX
Kinder Morgan Canada	Control Center - (Edmonton)	XXXXXXXXXXXXXXXXXX

PUBLIC VERSION

## Facilities

Puget Sound Energy's Sumas Generating Station is located at [REDACTED] [REDACTED] (address was [REDACTED] and may be listed that way elsewhere).

**Generating Station – [REDACTED]**

**REDACTED**

[REDACTED]  
[REDACTED]

**REDACTED**

[REDACTED]  
[REDACTED]





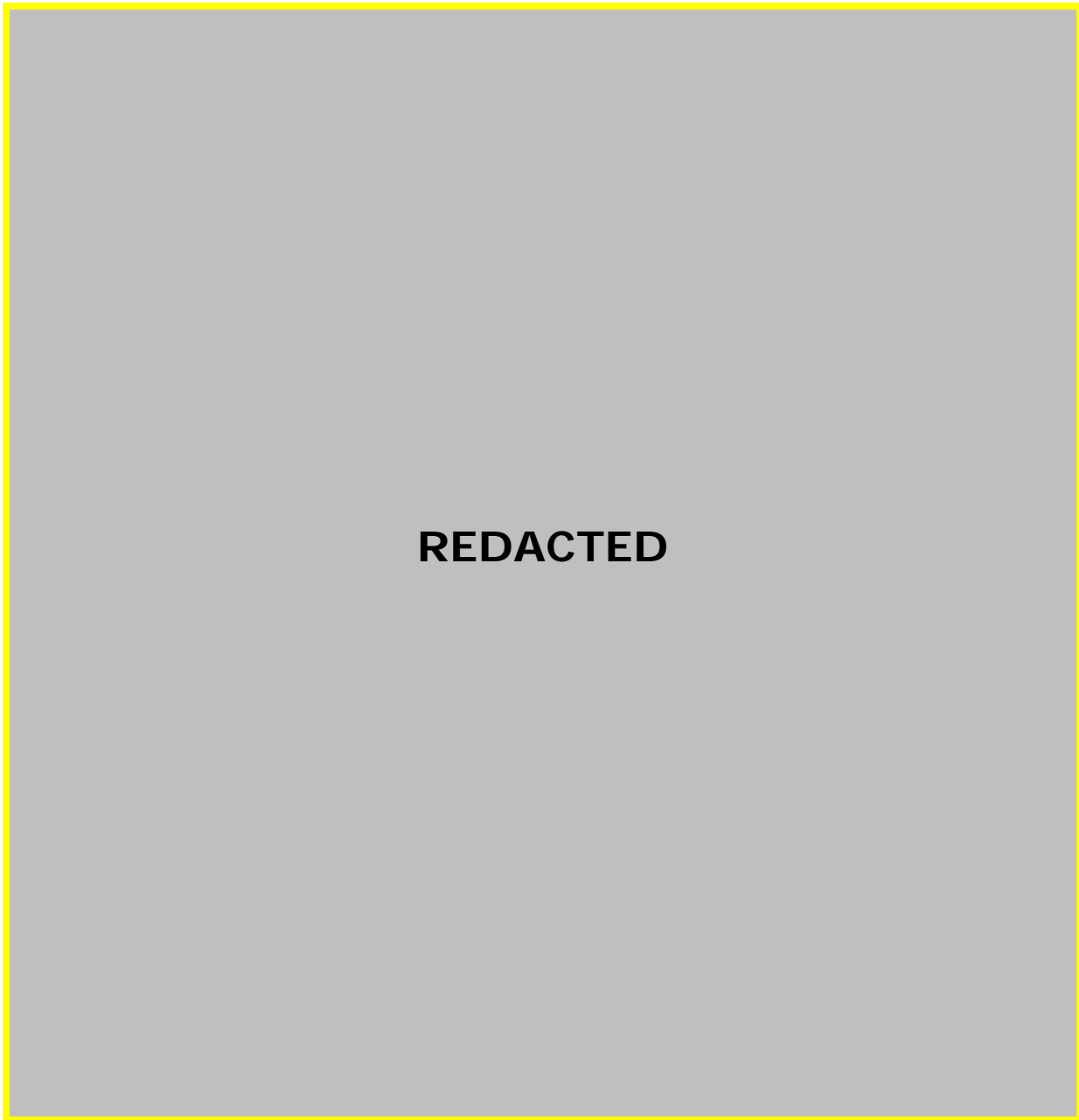


**Map and Driving Directions to Generating Station**

The facility is located at [XXXXXXXXXXXXXXXX] (see page 10 for map to Border Crossing / Regulator Station).

**From I-5 North at Bellingham**

<b>Instruction</b>	<b>For</b>
XX	XXXXXX
XX	XXXXXX
XX	XXXXXX
XX	XXXXXX
XX	XXXXXX
XX	XXXXXX
XX	XXXXXX



**PUBLIC VERSION**

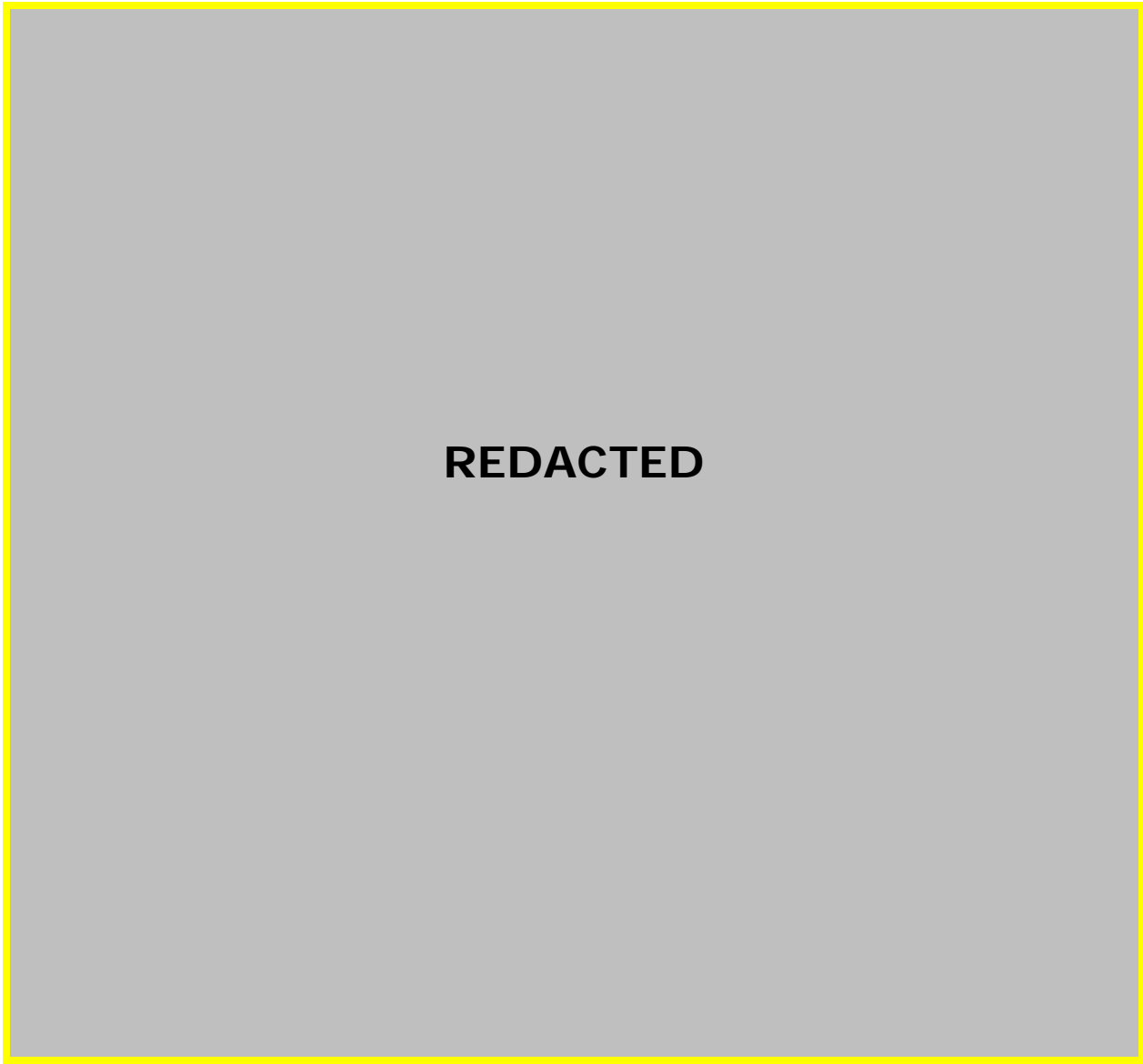
**Map and Driving Directions to Border Crossing / Regulator Station**

The facility is located at [REDACTED] (see page 9 for map to Generating Station, and page 13 for schematic). The regulator station sits [REDACTED].

**From I-5 North at Bellingham  
Instruction**

**For**

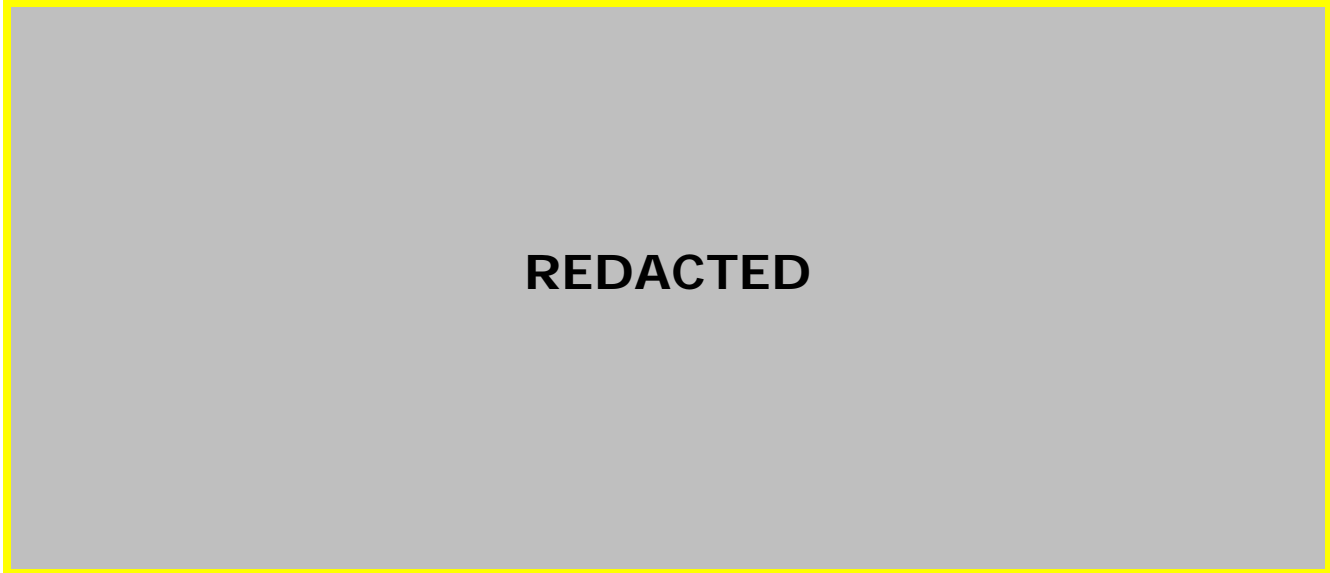
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]



**Directions from Generating Station to Border Station**

For directions from I-5 northbound, see page 9 for map to Generating Station, and page 10 for map to Border Crossing / Regulator Station.

Mile	Instruction	For
XXX	XX	XXXXXX
XXX	XX	XXXXXX
XXX	XX	XXXXXX
XXX	XX	XXXXXX
XXX	XX	XXXXXX



**Access to Facilities**

Key Number **XXXX**

**Sumas Generating Station**

Unless the gates are opened prior to your arrival, you will need to call on the call box to the left of the gates to enter the facility. There are two gates, one at the front of the lumber yard, one at the entrance to the Generating Station (behind the lumber yard). Once you are inside the gates, the Generating Station regulator station is opened with a **XXXXXXX** key.

**Border Regulator Station**

The chain link fence around the station is locked with a padlock that uses a **XXXX**. The door to the regulator station building is opened with a **XXXXXXX** key.

**Border Custody Transfer Point**

This area is about 100 yards north and slightly west of the border regulator station. From the border regulator station, there is a gravel path to the west behind the BP regulator station, then to the north to the PSE border custody transfer point. BP and Cascade Natural Gas have facilities immediately to the west of the PSE facilities. See page 16 for an aerial photograph. The chain link gate and valves are locked with padlocks that use a **XXXX** key.

**PUBLIC VERSION**

## **Emergency Response – Odors, leaks or line breaks**

The plant is operated 7x24

If emergency calls are received at the Sumas plant phone number; upon receipt of an emergency call, plant personnel will;

- Immediately notify PSE Gas Control @ [XXXXXX] or [XXXXXXXXXXXXX]
- Immediately respond to the location of the report.
- Upon arriving on site, plant personnel will call Gas Control to notify them of their arrival.
- Investigate the report to the best of their ability and notify Gas Control of their findings.
- If the situation presents a threat to life or property, they shall shut down the pipeline.
- If it is necessary to shut down the pipeline;
  - Determine if the automated equipment has shut down the pipeline.
  - If the automated equipment has not shut down the pipeline,
    - Call Gas Control to contact Spectra Energy/Westcoast Energy to shut down the pipeline.
    - Shut the pipeline down manually.
  - Do not attempt to restore service on the pipeline once it has been shut down.
- Wait for Gas Operations personnel to arrive on site and assist them as necessary.
- Contact the appropriate local emergency response personnel for assistance if needed.
- Keep unauthorized personnel an appropriate distance away from the area if required.
- Provide regular updates to Gas Control.
- Notify electric operations departments and/or personnel as required.

Gas Control will

- Dispatch a Pressure Control Technician.
- Notify Gas Operations Dispatch to send GFR personnel.
- Contact Spectra Energy/Westcoast Energy to shut down the pipeline from the Canadian side if requested.
- Document all pertinent information in the Gas Controllers Log.

Gas Operations Dispatch will

- Dispatch GFR personnel as needed to assist Pressure Control.
- Start an emergency report and track response to the incident.
- Provide emergency notifications per the matrix.
- Respond to additional requests for equipment or field personnel as needed.

Pressure Control and GFR field responders will

- Investigate the odor per the appropriate Operating Standards and Field Procedures.
- Document the investigation as required.

### **Locate Requests / Emergency Locate Requests**

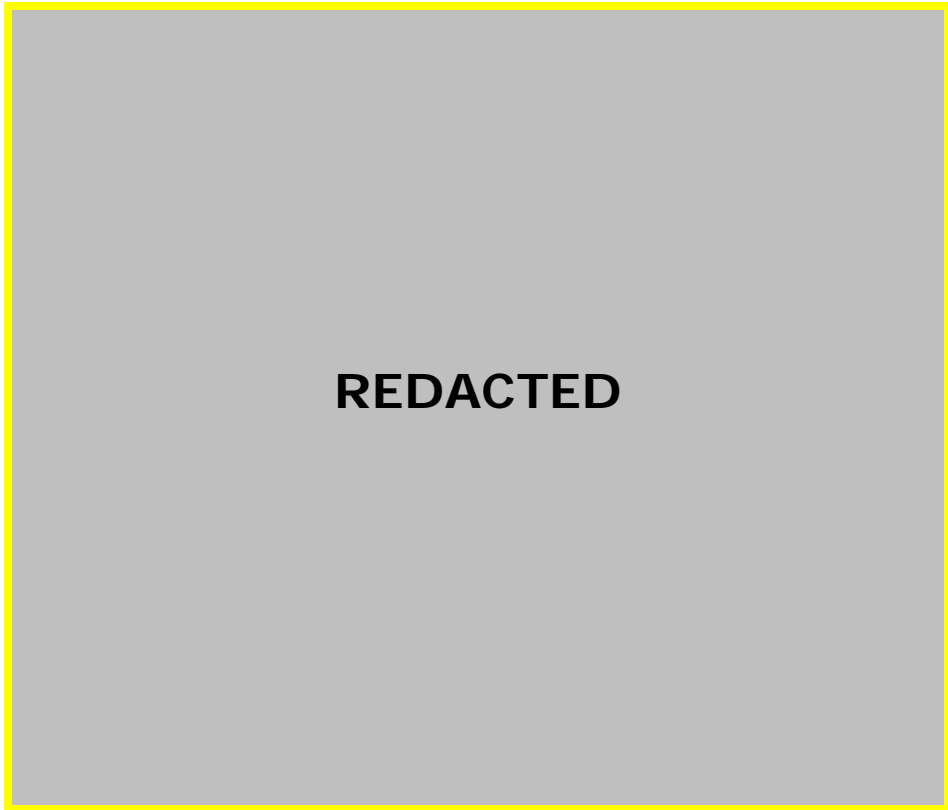
If emergency locate requests are received by plant personnel they will

- Take the appropriate information from the caller.
- Instruct the caller to call 811 to make a request for locates through the one-call system.
- Call Gas Operations Dispatch at [XXXXXX] or [XXXXXXXXXXXXX].

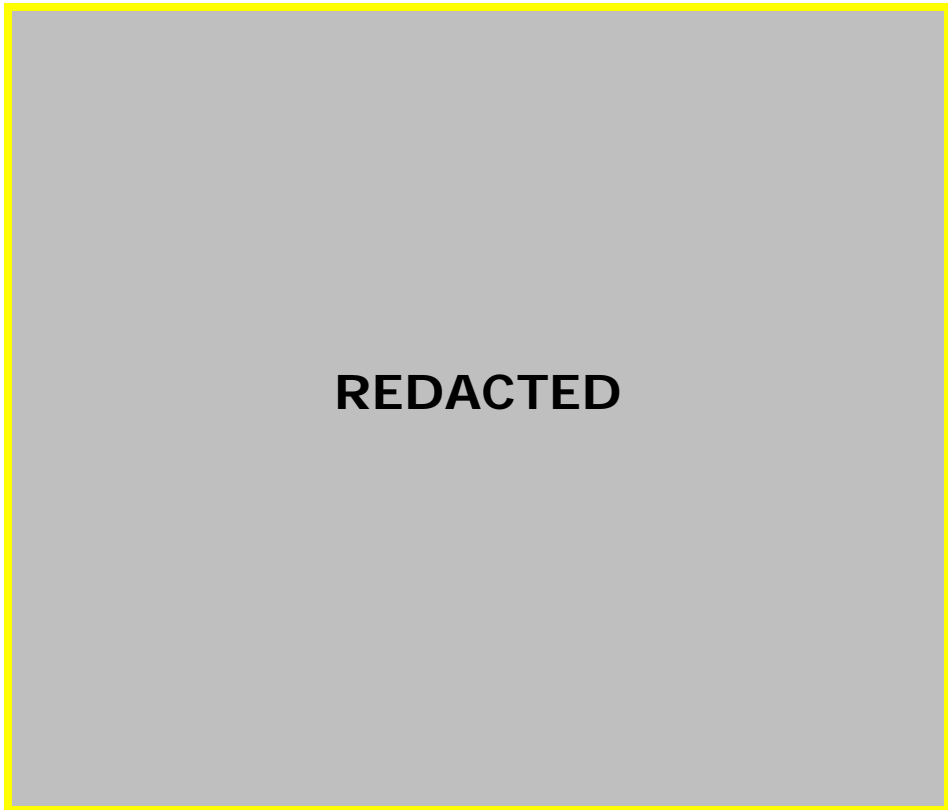
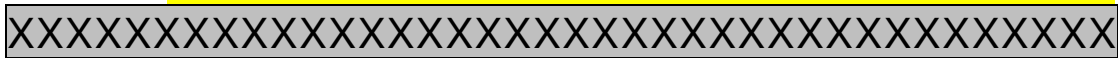
The Dispatcher will

- Dispatch the appropriate personnel to provide locates as requested.

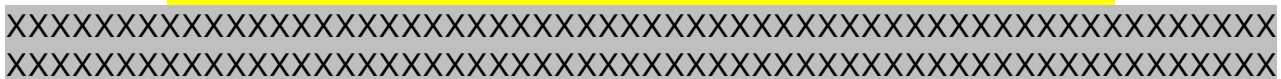




**REDACTED**



**REDACTED**



**PUBLIC VERSION**







## **Maps of Distribution and Supply System**

The maps for this area follow the standard numeric system, however, since they are well north of the rest of our service territory, the numbers are unusual.

**See the following OP (Operations) maps:**

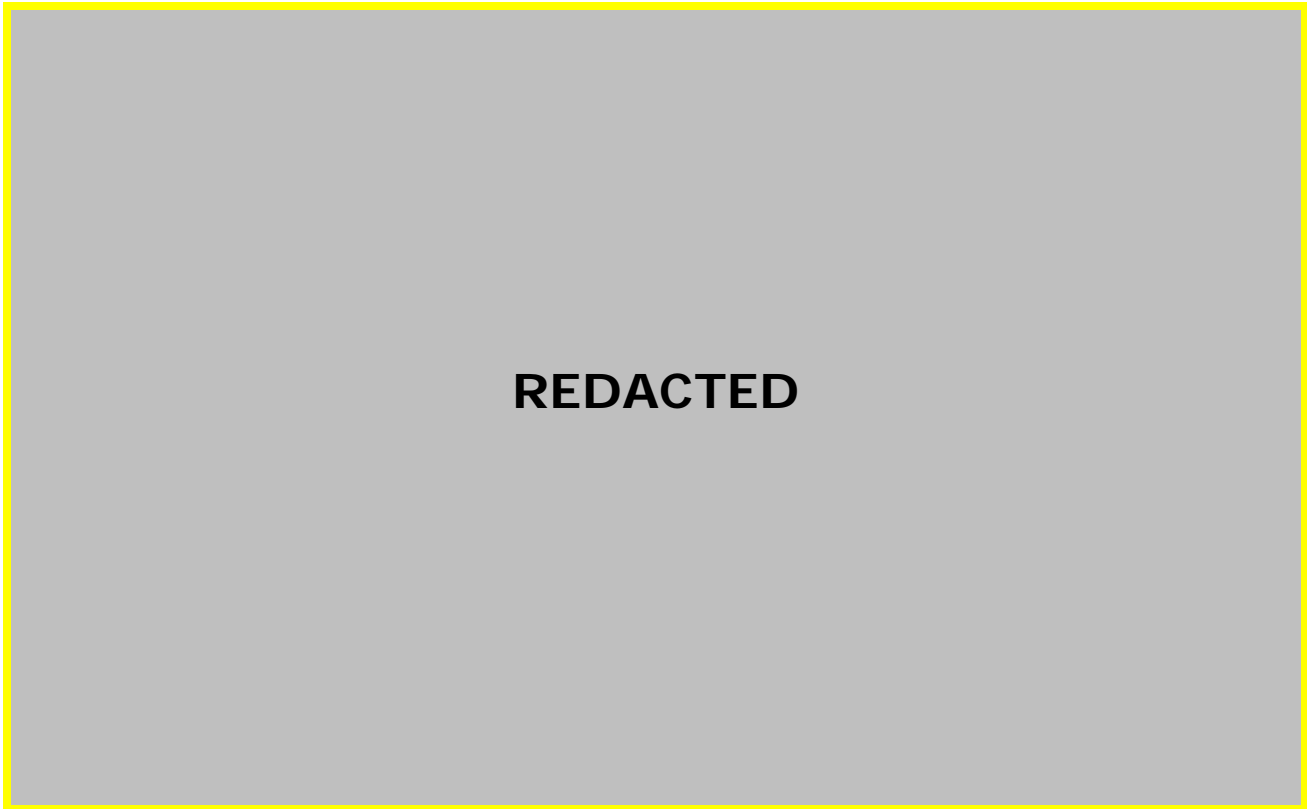
000.074  
-04.074

**See the following plat maps**

000.075 – Cogeneration Plant  
000.076  
000.077  
000.078  
000.079

001.075  
001.076

-01.079  
-02.080 – Border Regulator Station



PUBLIC VERSION

# Roles and Responsibilities of the Service

Providers Infracore Contractors (IFS) responds to breaks at the request of PSE Gas Dispatch.

## Backhoe

PSE does not maintain a backhoe at the Sumas facility.

In the case of an emergency where a backhoe is required on site Infracore Contractors (IFS) will be notified by Gas Operations Dispatch.

## Material

PSE maintains materials at the Sumas Generating Station, which will be used as needed in case of a gas emergency (see Material and Tool List Available at the Facility, page #).

### 1. Materials and Equipment Available at the Generating Station Site

- Hand and Power Tools
- Radios
- Oxygen, Lower Explosive Limit (LEL), and Hydrocarbon Monitors
- Assorted First-Aid, Safety, and Personal Protective Equipment

### 2. Materials and Equipment Available at the Border Tie-in Station

200' 8" Prestested Straight Pipe (40' length & 1,200 psi)

### 3. Materials and Equipment Available from Pilchuck IFS Contractors Inc.,

#### **Pickups, Trucks, and Trailers**

#### **Dozers and Loaders**

Dozers, loaders, sideboom

#### **Cranes and Excavators**

Backhoes, excavators, cranes, trenchers, backhoes with pavement breakers

#### **Welding and Tapping Equipment**

Arc and gas welding equipment, tapping machines, beveling machines, fusion equipment

#### **Air Equipment**

Compressors, pavement breakers, impact tools, tampers.

#### **Miscellaneous Boring Equipment and Rock Saws**

Hole hogs, moles, directional drilling equipment, rock/concrete saws.

#### **Compactors and Rollers**

Compactors and rollers

#### **Manhole and Trench Shields**

Shoring, plates, mud mats

#### **Miscellaneous Equipment and Tools**

Generators, lights, pumps, pipe threaders, heaters, hoists, jacks, holiday detectors, pipe benders

#### **Additional Equipment and Tools**

Lineup clamps, barricades, traffic cones, saws, drills