

Sumas Generating Station and Pipeline

EMERGENCY RESPONSE PLAN

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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	XXXXXXXXXXXXXXXXXX
Gas Operations Dispatch	XXXXXXXXXXXXXXXXXX

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], [XXXXXXXXXXXXXXXXXX] or [XXXXXXXXXXXXXXXXXX] 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	Pager	Job
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	Pressure Control
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	Instrumentation
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	PI Inspector
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	CFS Technician
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	CFS Technician
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	Pressure Control
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	CFS Technician
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	CFS Technician
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	Industrial Meter Operations
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	GFR Fitter
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	GFR Fitter
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	GFR Supervisor
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXXXXXX	Pressure Control Supervisor
XXXXXXXXXXXXXX	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

	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	CT Journey Worker
XXXXXXXXXXXXXX			XXXXXXXXXXXXXX	CT Journey Worker

PSE Electric servicemen in Whatcom County

	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

Police / Fire / 911 / Emergency Management

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

Puget Sound Energy – Gas and Electric Operations

Gas Control	PSE ext	XXXXXXXXXXXXXXXXXX
	Outside dialing	XXXXXXXXXXXXXXXXXX
Gas Operations Dispatch	PSE ext	XXXXXXXXXXXXXXXXXX
	Outside dialing	XXXXXXXXXXXXXXXXXX
Load Office	PSE ext	XXXXXXXXXXXXXXXXXX
	Outside dialing	XXXXXXXXXXXXXXXXXX
	Toll free	XXXXXXXXXXXXXXXXXX
System Operations Supervisor	Toll Free	XXXXXXXXXXXXXXXXXX

U.S. Government – Department of Homeland Security

U.S. Customs	XXXXXXXXXXXXXXXXXX
U.S. Border Patrol	XXXXXXXXXXXXXXXXXX
Canada Customs (Canada Border Services Agency)	XXXXXXXXXXXXXXXXXX

Sumas Generating Station

Generating Station	24 hour	XXXXXXXXXXXXXXXXXX
Control Room Mobile phone	Emergency only	XXXXXXXXXXXXXXXXXX
Plant O&M Supervisor		XXXXXXXXXXXXXXXXXX
Plant Manager		XXXXXXXXXXXXXXXXXX

Other Utilities and Pipelines

Westcoast Energy / Spectra Energy	Gas Control	XXXXXXXXXXXXXXXXXX
Williams Pipeline Sumas District Office	Office	XXXXXXXXXXXXXXXXXX
Cascade Natural Gas	Gas Control Dispatch	XXXXXXXXXXXXXXXXXX

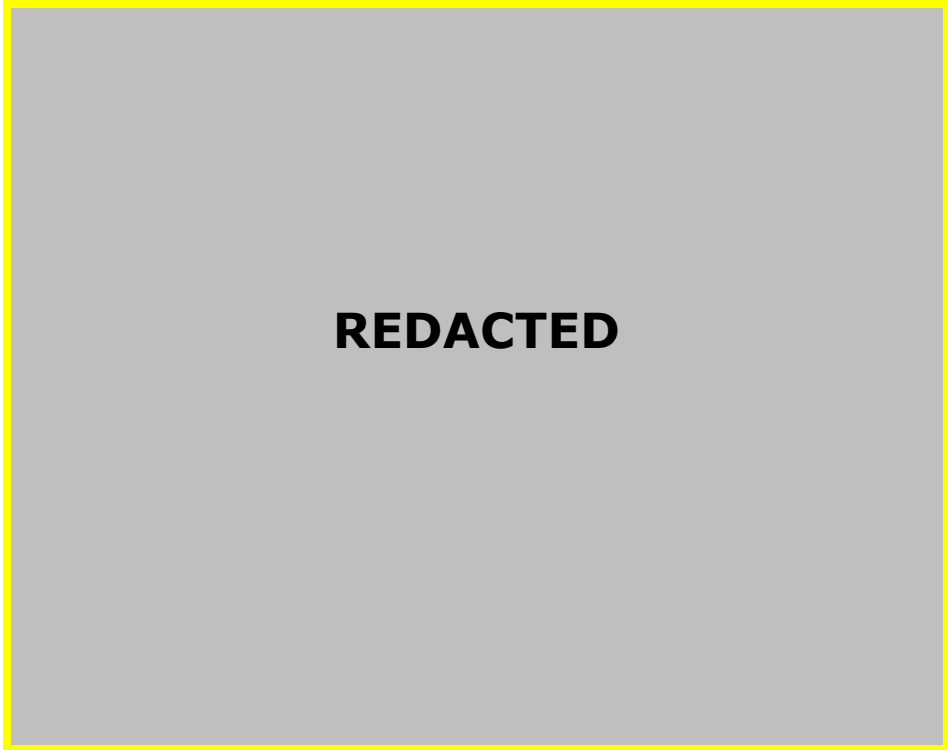
Contractors

Infrasource Contractors	Office	XXXXXXXXXXXXXXXXXX
XX		
XXXXXXXXXXXXXXXXXXXXXXXXXXXX		
Snelson Companies Inc.		XXXXXXXXXXXXXXXXXX

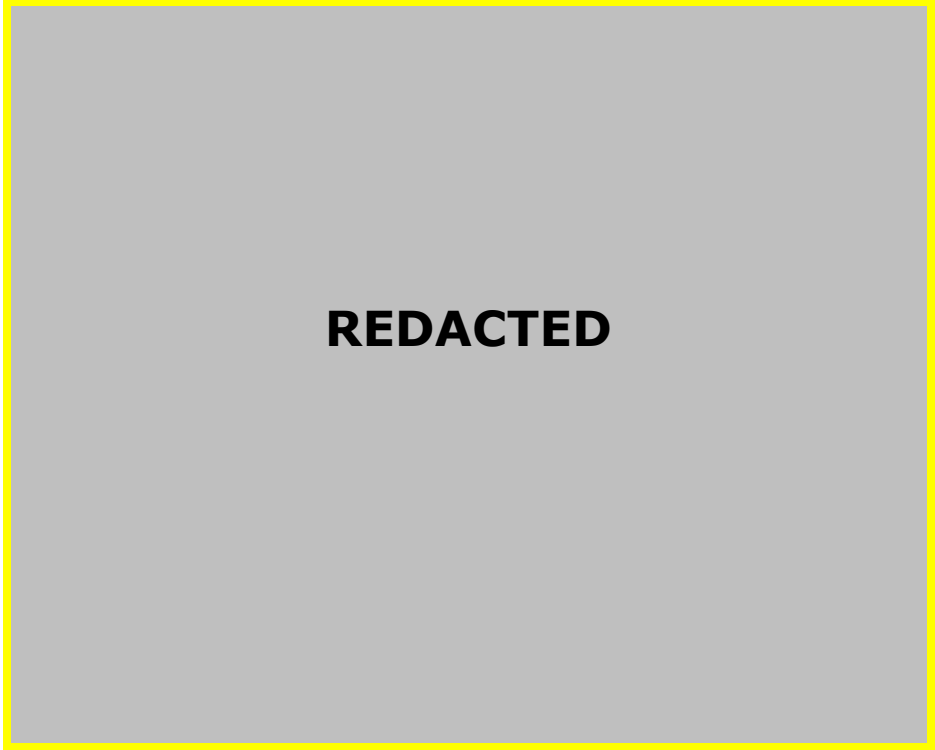
Facilities

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]

PUBLIC VERSION

REDACTED

XX

REDACTED

XX
XX
XXXXXXX

PUBLIC VERSION

REDACTED

XX
XX
XXXXXXXXXXXX

REDACTED

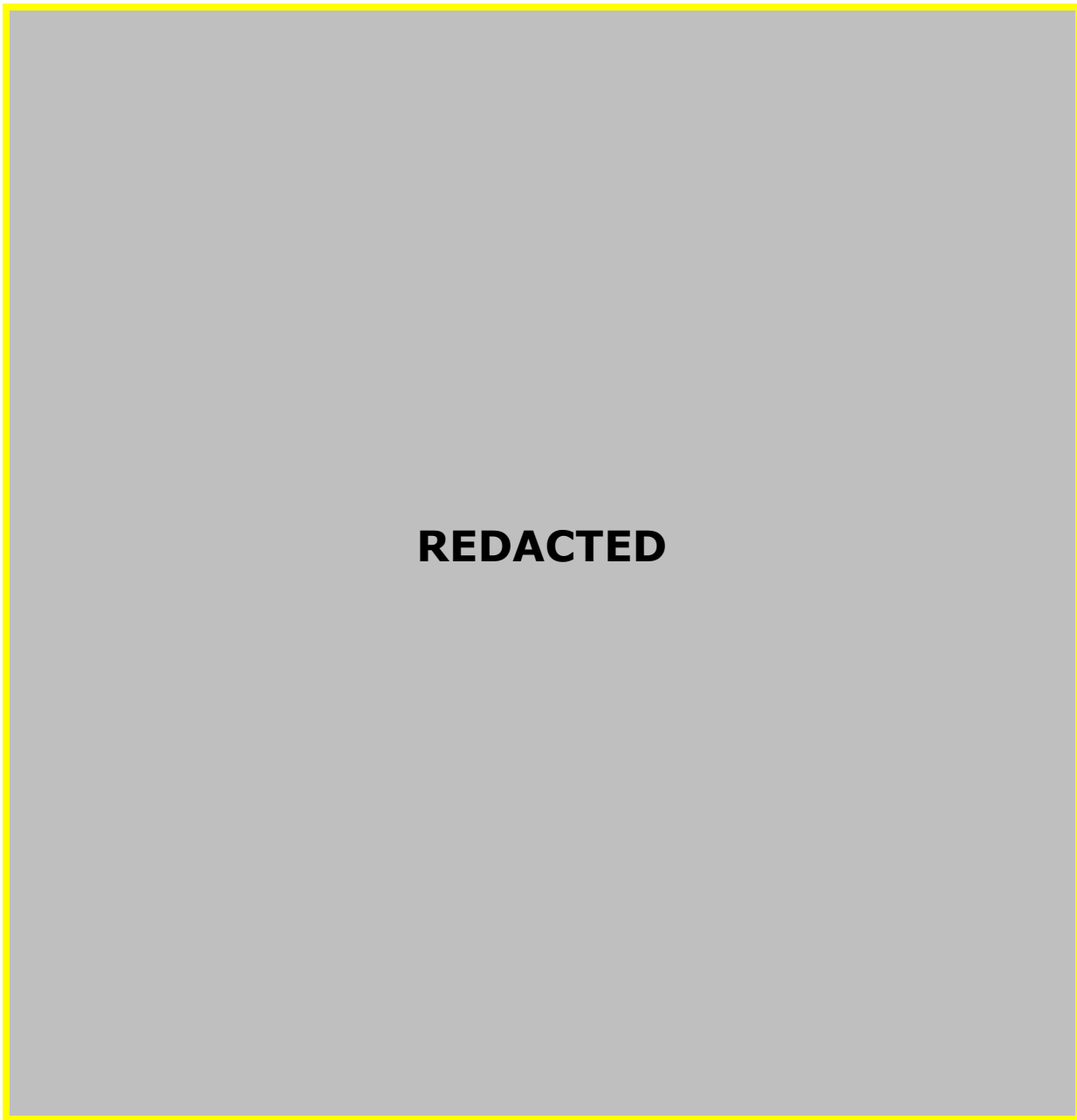
XX
XXXXXX

Map and Driving Directions to Generating Station

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

From I-5 North at Bellingham

Instruction	For
XX	XXXXXX
XX	XXXXXX
XX	XXXXXX
XX	XXXXXX
XX	XXXXXX
XX	XXXXXX
XX	XXXXXX

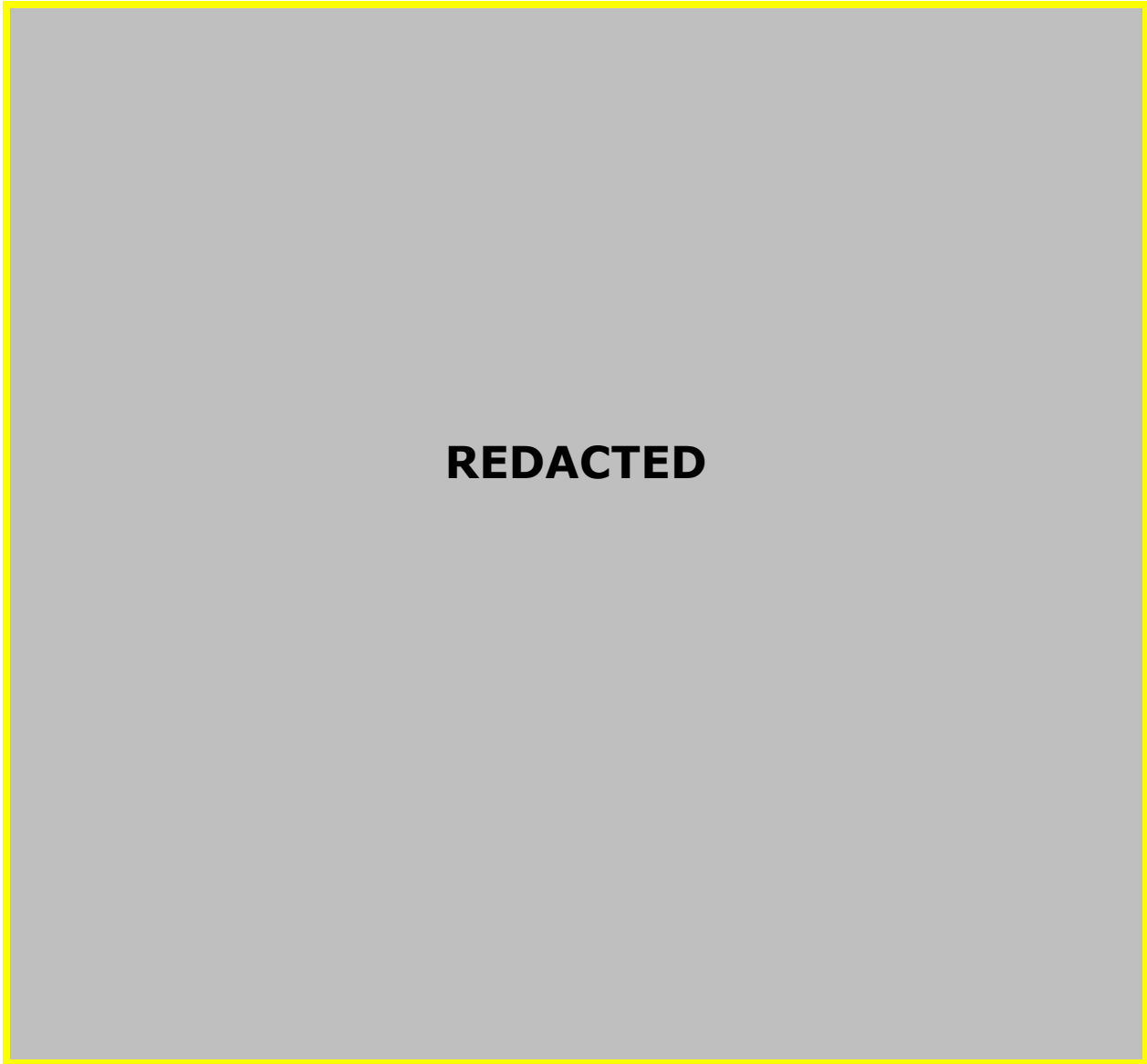


Map and Driving Directions to Border Crossing / Regulator Station

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

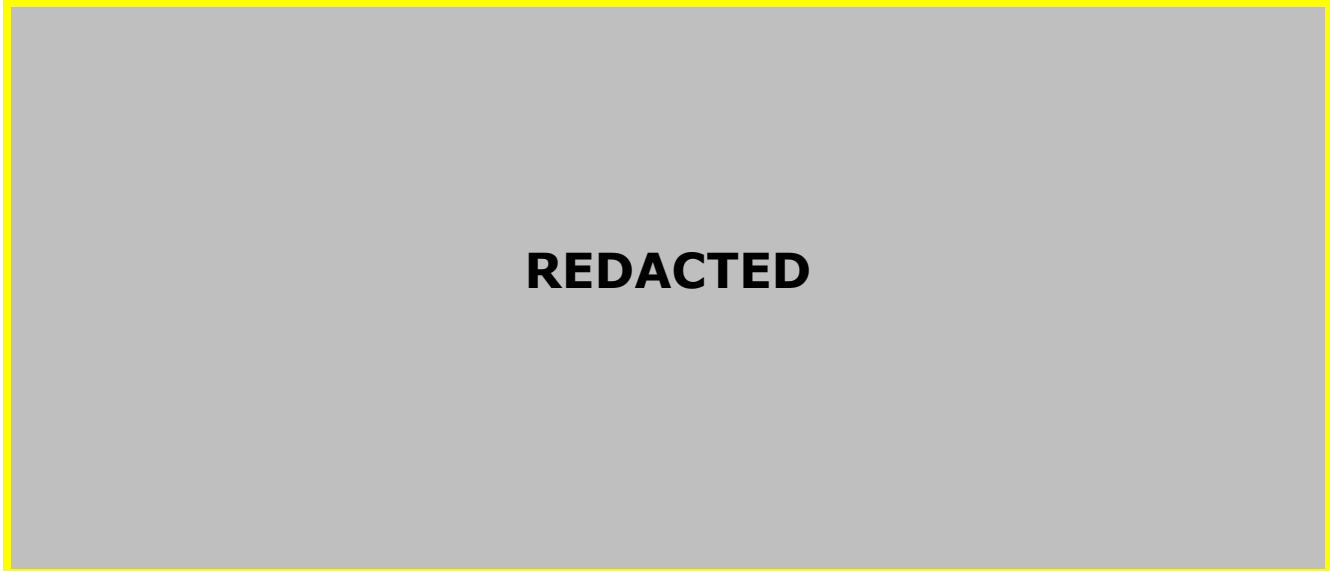
Instruction	For
[REDACTED]	XXXXXX
[REDACTED]	XXXXXX
[REDACTED]	XXXXXX
[REDACTED]	XXXXXX
[REDACTED]	XXXXXX
[REDACTED]	XXXXXX
[REDACTED]	XXXXXX
[REDACTED]	XXXXXX
[REDACTED]	XXXXXX



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

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 Best key.

Border Regulator Station

The chain link fence around the station is locked with a padlock that uses a . The door to the regulator station building is opened with a Best 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 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 @ [xxxxxxx] or [xxxxxxxxxxxxxxxx]
- 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 [xxxxxxx] or [xxxxxxxxxxxxxxxx].

The Dispatcher will

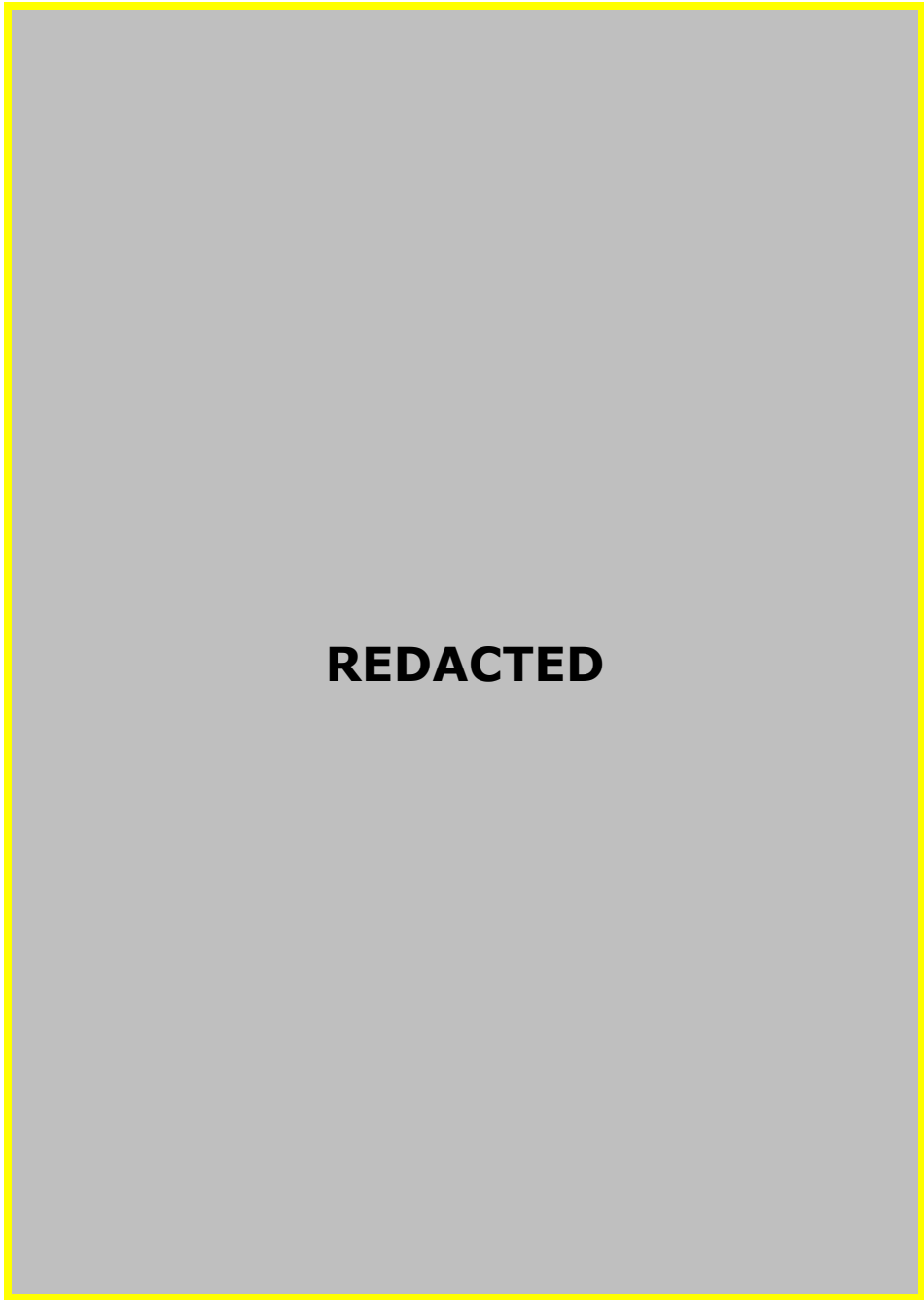
- Dispatch the appropriate personnel to provide locates as requested.

Emergency Shutdown of Pipeline

Normal operation of the border regulator station feeding the pipeline includes overpressure and underpressure protection. In the event of overpressure or underpressure, valve [xxxxx] is operated automatically via the pneumatic actuator to shut down flow to the pipeline.

Should an incident occur requiring manual shutdown of the pipeline feeding the Generating Station, shutdown is most easily performed [xxxxxxxxxxxxx]
[xx].

[xx]
[xxxxxxxxxxxxx]



REDACTED

XX

REDACTED

XX
XX.

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

Road Crossings

REDACTED

PUBLIC VERSION

Roles and Responsibilities of the Service Providers

Infrasource 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 Infrasource 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" Pretested 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