CONTRACTOR SUBMITTAL & DISTRICT REPLY FORM									
	Submittal No.: 0801-GOOD-S-WQPP-2								
TO: Chelan County PUD Project Manager: Scott Tidd Attn: Cie Marchi		Project: Contract 08-01 Chelan River Project Station							
		327 N Wena	l. Wenatci itchee, W/	nee Ave A 98801	Date Submitted:		5-9-08		
FR	OM:	R Jor Good Wena	dan fellow Bro itchee, W/	6., Inc. A 96801	Approved Submittal Schedu	Approved Submittal Schedule Date:			
Subr	nittal T	ype:		Shop Drawing	<ul> <li>Administrative</li> </ul>		Sample		
N0. 0	f Copie	6:		X Quality Control	Contract Closeout		*Or-Equa	al"/Substitut	e
				CONTRACTOR SUBMI	TTAL:		D	STRICT F	REPLY:
NO.	CPUD REF-I app	) f	Spec & Para No.	Description of item (Type Size, Model No, etc.)	Drawing or Brochure No. Ni-or-Y		STATUS *	ACTION**	Reviewed by & Date
1.		(	01570	WQPP		N			
2.		+-	1.3.1						
4.		+							
Contractor Comments: The WQPP is the second part of the Soil/Sediment and erosion plan									
Contractor hereby certifies that (i) contractor has complied with the requirements of Contract Documents in preparation, review, and submission of designated Submittal and (ii) the Submittal is complete and in accordance with the Contract Documents and requirements of laws and regulations and governing agencies.									
By C	By CONTRACTOR: Goodfellow Bros., Inc. (Authorized Signature)								
Dist	District Comments:								
Revie	Review is for general conformance with the design concept and contract documents. Markings or comments shall not be construed as relieving the								

Review is for general conformance with the design concept and contract documents. Markings or comments shall not be construed as relieving the Contractor from compilance with the contract documents. The Contractor remains responsible for details and accuracy, for confirming and correlating all quantities and dimensions for fabrication processes; for techniques of assembly; and performing the work safely.

STATUS *	ACTION **
ANR – Approval Not Required	NR – No Action Required
APP – Approved	REV – Revise and Resubmit for Approval
AAR – Approved as Revised	RSR – Revise and Submit for Record
NOT APP – Not Approved	SR – Submit for Record

P

# Water Quality Protection Plan

For: Public Utility District No. 1 of Chelan County

Contract No.: 08-01

**Chelan River Project** 

Chelan, WA

**Prepared by:** 

**Goodfellow Bros., Inc.** 

P. O. Box 598

Wenatchee, WA 98807

This Water Quality Protection Plan (WQPP) has been prepared by **Goodfellow Bros., Inc.** to develop a site-specific plan that covers the project scope of work (including equipment, materials, and activities) we have agreed to under our contract.

Federal regulations governing the requirement of fixed facility WQPP plans are found under 40 Code of Federal Regulations (CFR) 110 and 40 CFR 112. The state regulations regarding fixed facility WQPP plans are found under Washington Administrative Code (WAC) 173-201A-100(7) and -110(3). In regards to any oil or fuel spills compliance will be made with Chapter 90.56 of the RCW. These regulations were used as <u>guidelines</u> for the development of a WQPP plan to be used on this site.

Chelan County PUD contracts specify that this WQPP Plan be prepared by the contractor and include all hazardous substances (including oil and other petroleum products).

The Project for which this WQPP plan was developed is the **Chelan River Project**. **Goodfellow Bros., Inc.** was contracted to make modifications to the existing Reach 4 Habitat at the Chelan River Powerhouse and the Low Level Outlet at Chelan Dam for the Public.

A brief description of the elements of the WQPP plan for the **Chelan River Project** is as follows:

- **Introduction** Provides a description of the purpose of preparing and implementing a WQPP plan, and identifies federal and state regulations that govern WQPP plans.
- Site Information Identifies general site information useful in construction planning, recognizing potential sources of spills, and identifying the "person in charge" responsible for managing and implementing the WQPP plan.
- Management Approval Provides a commitment from the management at Goodfellow Bros., Inc. to control and cleanup any harmful quantity of oil or hazardous substance released to the waters or land of the State of Washington.
- Site Description Provides a general description of the site including site location, topography, soils, storm drainage system, and adjacent waterways that are of importance to our scope of work. Also covers Goodfellow Bros., Inc. measures to control erosion throughout the project.
- **Planning and Recognition** Identifies site-specific information including critical areas around the construction site, soil type and other pertinent site information, drainage pathways, and location of staging, fueling, and decontamination areas.
- Spill Prevention and Containment Describes types of secondary containment or diversion structures that will be used to handle sources of spills at the project site.
- **Spill Response** Outlines spill response procedures including assessing the hazard, securing spill response and personal protective equipment, containing and eliminating the spill source, and mitigating and removing the spilled material.
- **Reporting** Describes federal, state, and Washington State Department of Ecology notification and reporting requirements.

- **Program Management** Identifies site security measure, inspection and audit requirements, and personnel training for construction personnel.
- Attachments A EAP (Emergency Action Plan)
- Attachment B Site Plan Showing Proposed Measures to be Installed.
- Attachment C Inspection and Audit Forms.
- Attachment D Product Information
- Attachment E Site Staging, Maintance and Fueling Areas and Temp Berm Locations

# **Site Information**

Name of Project	Chelan River Project
Type of Project	Fish improvement and channelization project
Project Location	Chelan, WA
Site Plan	See Attachment B
Summary of	On-Site Sources of Potential Spills – None
Potential Spill	Potential Sources of Spills Brought On-Site
Sources	Heavy Equipment, Light Equipment, Generators, Fuel and Lube Truck (Oil, Diesel, Hydraulic Containers)
Primary	Goodfellow Bros., Inc.
Contractor	P. O. Box 598, Wenatchee, WA 98807
	(509) 662-7111
Contractor	Ron Jordan, (509) 662-7111, Cell. (509) 669-4456
Personnel	Bob O'Connor, (425) 432-2202, 206-793-1947
for Spill	Doug Smith (425) 766 2341
Prevention	

This Water Quality Protection Plan (WQPP) plan is supported by management with the authority to commit the necessary resources including manpower, equipment, and materials to expeditiously control and remove any harmful quantity of oil or hazardous substances released to the water or land of the State of Washington. The WQPP is a live document so with consultation with the Chelan PUD and the Washington State Department of Ecology adjustments can be made to it throughout the course of the work on the Chelan River Project. In order to reiderate the WQPP and SWPPP weekly meetings will be held to discuss the effectiveness of the existing measures in place as well as reinforcing awareness to avoid any spills and protocol for the crew to follow in case of an accident.

Ronald C. Jordan Project Manager Goodfellow Bros., Inc.

## SITE DESRIPTION

The project consists of two separate locations. The "Low Level Outlet" is at the south end of Lake Chelan and involves tying 84 inch welded steel pipe into the existing bulkhead and running it approximately 250 feet southeast to the outlet structure. The "Reach 4 Habitat Modification" and "Chelan Tailrace Pump Station" are located to the west of river mile marker 503.60. There is no soil or groundwater contamination known to be with the project location. No investigation will be completed prior to construction to determine on-site contaminants.

# **Planning and Recognition**

The Chelan River Project is located in Chelan County, WA. There is no known terrestrial that appear on the endangered species list.

The project at Reach 4 is sloped from north to south in the same direction that the Chelan River flows. The perimeter of the site will be secured with silt fence as shown on the contract drawings and the necessary controls will be implemented above the ordinary high water line to ensure that no contaminants reach the Chelan River. Silt curtains will be placed within the tailrace to minimize downstream drift of sediments from the flow caused by the in water work which will occur downstream of the powerhouse. Drains, fencing, sediment traps, dikes and/or other erosion and sedimentation control will be used depending on individual situations. Also, floating oil booms will be installed downstream of the work areas to prevent the escape of any potential spills (see attachment B for proposed layout).

Mobilization of construction equipment will take place prior to the actual start of construction activities. Equipment will be initially staged along the northwest side of the project area nearest the existing switchyard (see attachment E). All equipment will be cleaned and serviced prior to arriving at the project site to assure any possible defects are repaired, fittings tightened or replaced, etc. in order to minimize the potential of any fluid leaks. As well, oil absorbent tarps will be placed under each machine to further protect the site from any possible leaks or drips (see attachment D for product data).

Staging, fueling, and storage will be located adjacent to the two project locations. Attachment E identifies these areas for Reach 4 construction. Both areas occur on native soil. All materials and equipment will be stored in designated areas. At Reach 4 staging of equipment will be done nearest to the west abutment of the temporary bridge and fueling will be done at a minimum distance of 50' from the water with the exception of the drill rig for the pump station piers which will occur on the temporary construction pad. At the Low Level Outlet staging of equipment will be along the alignment of the 84" and 60" outlet pipe and move daily with the progress of the construction. Fuel will be brought on site for fueling purposes daily. In case of an emergency spill (ie. hydraulic hose break, oil leak, etc.) emergency oil spill response kits will be placed in strategic locations to allow for easy access within both project locations. There will be a minimum of 2 each kits within the work areas at any given time. Care will be taken at the Low Level Outlet work area to contain any lead or paint when cutting into the existing bulkhead.

Heavy equipment brought on-site will include but not be limited to forklift, dozers, graders, cranes, rollers, loaders, support trucks and pickup trucks. Small portable equipment brought on-site will include air compressors & generators.

Fuel will not be stored on site. Small containers (5 gallon and smaller) will be located on laborer trucks as needed for hand operated tools.

There is no known contamination on-site.

Note: Goodfellow Bros., Inc. recognizes that it is not trained for characterization, management, or disposal of contaminated soils/groundwater at the project site. These activities will only be performed by trained specialists.

Based on the soils investigation report provided by CH2M Hill there is no indication that the site will yield any unknown soil and/or groundwater contamination.

The geology of the site is native materials. There are borings available to determine the level of existing groundwater and composition of the existing soil. The project consists of grading earthen cut and fill slopes, diverting the Chelan River, building project access roads and/or a temporary bridge, excavation and fill placement "in water" in the Tailrace, the lower area of Reach 4 and in the habitat channel and construction of the conveyance canal.

Assigned Source Number	Potential Spill Source	Planned Spill Prevention
Known Si	te Conditions (Materials/Equipment Brought On-	site)
1	Diesel Fuel	Response #1
2	Hydraulic Oil	Response #2
3	Motor Oil	Response #3
4	Gasoline, Unleaded	Response #4
5	2 Cycle Oil	Response #5
6	Automatic Transmission Fluid (ATF)	Response #6
7	Ethylene Glycol (radiator fluid)	Response #7
8	Battery Acid	Response #8
9		

# **Potential Sources of Spills Table**

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# **Spill Prevention and Containment**

This section identifies the types of secondary containment or diversionary structures that will be used to handle spill sources identified in the Planning and Recognition section of this plan.

**Contaminated Soil.** Contaminated soil encountered during drilling and trenching activities will be contained by constructing a soil berm around the contaminated soil. The soil will be placed on a plastic liner and covered with plastic at the end of each workday. A soil berm or hay bales will be used to contain the stockpile and prevent migration of contaminated liquids. Identification and determination of source will be investigated.

**Equipment Staging Area and Material Staging Area.** An equipment leak from a fuel tank, equipment seal, or hydraulic line will be contained within a spill pad placed beneath potential leak sources. A spill kit will be used to immediately clean off the equipment and any non-native structure. An undetected leak from parked equipment will be contained within the equipment staging area by removing the soil to a drum using a shovel or by installing a temporary berm. Hoses, drums, transfer valves and fittings will be checked regularly for leaks.

**Fuel Staging Area.** A spill during fueling operations will be contained within a spill pallet for small container handling, or secondary containment berms in the storage areas. The transfer of fuel into portable equipment will be performed using a funnel and/or hand pump, and a spill pad used to absorb any incidental spills/drips. A 55 gallon spill response kit will be located near the fueling area for easy access. The spill response kit will include 10 each 3" x 4' oil absorbant socks, 4 each 3" x 8" oil only absorbant socks, 10 each 18" x 18" oil only pillows, 40 each oil only absorbant pads, 2 pairs of nitrile gloves, 2 pairs of splash resistant goggles and 10 each disposable bags with zip ties along with an emergency response guide book. Along with the 55 gallon kits there will be a 5 gallon spill response kit located on each major piece of equipmen that will contain similar materials along with baking soda in order to neutralize battery acid if needed. Fueling of equipment shall not be closer than 50 feet to any body of water unless otherwise noted.

**Unknown soil and groundwater contamination.** Contaminated soil encountered during drilling and trenching will be placed on a plastic liner draped over a soil berm or with hay bales for containment purposes. The stockpile will be covered with plastic at the end of each workday. Groundwater will be left insitu until which time a level and source of contamination can be determined.

**Underground storage tanks.** All excavation activities will be carefully performed by an experienced backhoe operator. If a leaking underground storage tank is encountered, the leaking material will be contained within the excavation. Our "person in charge" will implement spill response measures as appropriate. Licensed tank remover will perform this work.

**Underground pipelines.** If a leaking or severed underground pipeline is encountered, the leaking material will be contained within the excavation. Our "person in charge" will implement spill response measures as appropriate.

**Wash Water.** Any water used in wheel washes or wash water that contains oil, grease or any other contaminants will be contained and gathered for proper disposal so as to not let any seep into the river or ground.

# **Spill Response**

**Goodfellow Bros., Inc.** realizes the importance of immediate response to any spills of regulated materials. As such, we recognize elements of Spill Response, and train our personnel and sub-contractors on the appropriate actions that must be taken and information that must be communicated to the "person in charge." A detailed spill response plan has been developed for each potential spill source identified for the site. Immediate clean up of the spill is Goodfellow Bros., Inc. priority and will take place over anything else. Any spill has potential significant water quality impacts and will be reported to the Department of Ecology, Central Regional Office whom can be contacted at (509) 575-2490.

## Potential Spill Source 1: Diesel Fuel (fueling operations, leak, rupture, etc.)

Spill Type: diesel fuel

Spill Response Equipment: appropriate PPE (fuel resistant gloves, eye protection), sorbent pads, kitty litter, 30-gallon plastic bags, "non-sparking" shovel, plastic sheeting, and one 55-gallon open top drum.

Spill Response Equipment Location: Spill Kit No. 1 located near the fueling/staging area.

Spill Kit No. 2 Located near each major work area

Spill Response Procedures:

In the case of a release or spill of diesel fuel, the following spill response procedures will be conducted:

- 1. Stop operations immediately.
- 2. Notify the "person-in-charge" for the project.
- 3. Assess the hazard. If the spill cannot be safely and effectively controlled, direct safe evacuation of the area, and notify outside response services. Implement an emergency action plan (EAP) as appropriate.
- 4. If the spill is "incidental" and <u>can</u> be safely and effectively controlled by contractor personnel, then: (excavate area and call 911 if spill cannot be safely and effectively controlled).

Secure the area.

Obtain appropriate spill response equipment and personal protective equipment.

Identify the source of the release. Determine the origin of the release. Is the release from a leaking fuel tank? A ruptured discharge hose? An overfilled fuel tank?

Shut off source/equipment. If the release occurred as a result of fueling operations, turn off the fuel source. If the release occurred due to faulty equipment, make sure equipment is turned off.

Contain the spill.

Contain the spill using appropriate spill response equipment provided in the on-site spill response kit.

Protect sensitive areas.

Diesel fuel is a combustible liquid. Keep all sources of ignition away from spill.

5. Cleanup spill.

The area is not paved therefore any spills or releases in this area will contaminate surface soil. Once the source and the spill have been contained, remove visibly contaminated surface soil (wet, stained, and/or odorous) with a shovel (found in the spill response kit). Depending on the volume, removed soil is to be placed in either a labeled drum, or in a stockpile. If removed soil is to be placed in a stockpile must be placed on and covered with plastic (visqueen). Sandbags or rocks will be used to anchor the plastic sheeting down.

6. The "person-in-charge" will notify the Chelan PUD project manager for appropriate local, state and federal agency notification. Spills to water will be reported not later than 1 hour after the spill is discovered.

## Potential Spill Source 2: Hydraulic Oil (fueling operations, leak, rupture, etc.)

Spill Type: hydraulic oil

Spill Response Equipment: appropriate PPE (fuel resistant gloves, eye protection), sorbent pads, kitty litter, 30-gallon plastic bags, "non-sparking" shovel, plastic sheeting, and one 55-gallon open top drum.

Spill Response Equipment Location: Spill Kit No. 1 located at the fueling and staging area.

Spill Kit No. 2 located near each major work area.

Spill Response Procedures:

In the case of a release or spill of hydraulic oil, the following spill response procedures will be conducted:

- 1. Stop operations immediately.
- 2. Notify the "person-in-charge" for the project.
- 3. Assess the hazard. If the spill cannot be safely and effectively controlled, direct safe evacuation of the area, and notify outside response services. Implement EAP as appropriate.
- 4. If the spill is "incidental" and <u>can</u> be safely and effectively controlled by contractor personnel, then: (excavate area and call 911 if spill cannot be safely and effectively controlled).

Secure the area.

Obtain appropriate spill response equipment and personal protective equipment.

Identify the source of the release. Determine the origin of the release. Is the release from a leaking hydraulic line? A ruptured hydraulic hose?

Shut off source/shut off equipment. If the release occurred as a result of oiling operations, turn off the source. If the release occurred due to faulty equipment, make sure equipment is turned off.

Contain the spill.

Contain the spill using appropriate spill response equipment provided in the on-site spill response kit.

Protect sensitive areas.

Please note that this material may burn, but will not ignite readily. Use caution to keep all ignition sources away from the spill.

5. Cleanup spill.

The area is not paved therefore any spills or releases in this area will contaminate surface soil. Once the source and the spill have been contained, remove visibly contaminated surface soil (wet, stained, and/or odorous) with a shovel (found in the spill response kit). Depending on the volume, removed soil is to be placed in either a labeled drum, or in a stockpile. If removed soil is to be placed in a stockpile, the stockpile must be placed on and covered with plastic (visqueen). Sandbags or rocks will be used to anchor the plastic sheeting down.

6. The "person-in-charge" will notify the Chelan PUD project manager for appropriate local, state and federal agency notification. Spills to water will be reported not later than 1 hour after the spill is discovered.

## Potential Spill Source 3: Motor Oil (fueling operations, leak, rupture, etc.)

Spill Type: motor oil

Spill Response Equipment: appropriate PPE (fuel resistant gloves, eye protection), sorbent pads, kitty litter, 30-gallon plastic bags, "non-sparking" shovel, plastic sheeting, and one 55-gallon open top drum.

Spill Response Equipment Location: Spill Kit No. 1 located at the fueling/staging area.

Spill Kit No. 2 located near each major work area.

Spill Response Procedures:

In the case of a release or spill of engine oil, the following spill response procedures will be conducted:

- 1. Stop operations immediately.
- 2. Notify the "person-in-charge" for the project.
- 3. Assess the hazard. If the spill cannot be safely and effectively controlled, direct safe evacuation of the area, and notify outside response services. Implement EAP as appropriate.
- 4. If the spill is "incidental" and <u>can</u> be safely and effectively controlled by contractor personnel, then: (excavate area and call 911 if spill cannot be safely and effectively controlled).

Secure the area.

Obtain appropriate spill response equipment and personal protective equipment.

Identify the source of the release. Determine the origin of the release. Is the release from a leaking oil pan? A ruptured oil line? A ruptured oil tank?

Shut off source/shut off equipment. If the release occurred as a result of fueling operations, turn off the source. If the release occurred due to faulty equipment, make sure equipment is turned off.

Contain the spill.

Contain the spill using appropriate spill response equipment provided in the on-site spill response kit.

Protect sensitive areas.

This material may ignite. Keep sources of ignition clear of spill.

5. Cleanup spill.

The area is not paved therefore any spills or releases in this area will contaminate surface soil. Once the source and the spill have been contained, remove visibly contaminated surface soil (wet, stained, and/or odorous) with a shovel (found in the spill response kit). Depending on the volume, removed soil is to be placed in either a labeled drum, or in a stockpile. If removed soil is to be placed in a stockpile, the stockpile must be placed on and covered with plastic (visqueen). Sandbags or rocks will be used to anchor the plastic sheeting down.

6. The "person-in-charge" will notify the Chelan PUD project manager for appropriate local, state and federal agency notification. Spills to water will be reported not later than 1 hour after the spill is discovered.

## Potential Spill Source 4: Gasoline, Unleaded (fueling operations, leak, rupture, etc.)

Spill Type: gasoline

Spill	Response	Equipment:	appropriate PPE (fuel resistant gloves, eye protection), sorber	nt
			pads, kitty litter, 30-gallon plastic bags, "non-sparking" shove	1,
			plastic sheeting, and one 55-gallon open top drum.	

Spill Response Equipment Location: Spill Kit No. 1 located at the fueling/staging area.

Spill Kit No. 2 located near each major work area.

Spill Response Procedures:

In the case of a release or spill of gasoline, the following spill response procedures will be conducted:

- 1. Stop operations immediately.
- 2. Notify the "person-in-charge" for the project.
- 3. Assess the hazard. If the spill cannot be safely and effectively controlled, direct safe evacuation of the area, and notify outside response services. Implement EAP as appropriate.
- 4. If the spill is "incidental" and <u>can</u> be safely and effectively controlled by contractor personnel, then: (excavate area and call 911 if spill cannot be safely and effectively controlled).

Secure the area.

Obtain appropriate spill response equipment and personal protective equipment.

Identify the source of the release. Determine the origin of the release. Is the release from a leaking fuel tank? A ruptured fuel line? An overfilled fuel tank?

Shut off source/shut off equipment. If the release occurred as a result of fueling operations, turn off the fuel source. If the release occurred due to faulty equipment, make sure equipment is turned off.

Contain the spill.

Contain the spill using appropriate spill response equipment provided in the on-site spill response kit.

Protect sensitive areas.

Extremely flammable. Keep all sources of ignition away from spill locations.

5. Cleanup spill.

The area is not paved therefore any spills or releases in this area will contaminate surface soil. Once the source and the spill have been contained, remove visibly contaminated surface soil (wet, stained, and/or odorous) with a shovel (found in the spill response kit). Depending on the volume, removed soil is to be placed in either a labeled drum, or in a stockpile. If removed soil is to be placed in a stockpile must be placed on and covered with plastic (visqueen). Sandbags or rocks will be used to anchor the plastic sheeting down.

6. The "person-in-charge" will notify the Chelan PUD project manager for appropriate local, state and federal agency notification. Spills to water will be reported not later than 1 hour after the spill is discovered.

## Potential Spill Source 5 : 2 Cycle Oil (fueling operations, leak, rupture, etc.)

Spill Type: 2 Cycle Oil

Spill Response Equipment: appropriate PPE (fuel resistant gloves, eye protection), sorbent pads, kitty litter, 30-gallon plastic bags, "non-sparking" shovel, plastic sheeting, and one 55-gallon open top drum.

Spill Response Equipment Location: Spill Kit No. 1 located at the staging/fueling area

Spill Kit No. 2 located near each major work area.

Spill Response Procedures:

In the case of a release or spill of oil, the following spill response procedures will be conducted:

- 1. Stop operations immediately.
- 2. Notify the "person-in-charge" for the project.
- 3. Assess the hazard. If the spill cannot be safely and effectively controlled, direct safe evacuation of the area, and notify outside response services. Implement EAP as appropriate.
- 4. If the spill is "incidental" and <u>can</u> be safely and effectively controlled by contractor personnel, then: (excavate area and call 911 if spill cannot be safely and effectively controlled).

Secure the area.

Obtain appropriate spill response equipment and personal protective equipment.

Identify the source of the release. Determine the origin of the release. Is the release from a leaking container? An overfilled tank?

Shut off source/shut off equipment. If the release occurred as a result of fueling/oiling/greasing operations, turn off the fuel source. If the release occurred due to faulty equipment, make sure equipment is turned off.

Contain the spill.

Contain the spill using appropriate spill response equipment provided in the on-site spill response kit.

Protect sensitive areas.

Extremely flammable when mixed with gasoline. Keep all sources of ignition away from spill locations.

5. Cleanup spill.

The area is not paved therefore any spills or releases in this area will contaminate surface soil. Once the source and the spill have been contained, remove visibly contaminated surface soil (wet, stained, and/or odorous) with a shovel (found in the spill response kit). Depending on the volume, removed soil is to be placed in either a labeled drum, or in a stockpile. If removed soil is to be placed in a stockpile must be placed on and covered with plastic (visqueen). Sandbags or rocks will be used to anchor the plastic sheeting down.

6. The "person-in-charge" will notify the Chelan PUD project manager for appropriate local, state and federal agency notification. Spills to water will be reported not later than 1 hour after the spill is discovered.

# Potential Spill Source 6: Automatic Transmission Fluid (FOG operations, leak, rupture, etc.)

Spill Type: Automatic Transmission Fluid (ATF)

Spill Response Equipment: appropriate PPE (fuel resistant gloves, eye protection), sorbent pads, kitty litter, 30-gallon plastic bags, "non-sparking" shovel, plastic sheeting, and one 55-gallon open top drum.

Spill Response Equipment Location: Spill Kit No. 1 located at the fueling/staging area.

Spill Kit No. 2 located near each major work area.

Spill Response Procedures:

In the case of a release or spill of transmission fluid, the following spill response procedures will be conducted:

- 1. Stop operations immediately.
- 2. Notify the "person-in-charge" for the project.
- 3. Assess the hazard. If the spill cannot be safely and effectively controlled, direct safe evacuation of the area, and notify outside response services. Implement EAP as appropriate.

4. If the spill is "incidental" and <u>can</u> be safely and effectively controlled by contractor personnel, then: (excavate area and call 911 if spill cannot be safely and effectively controlled).

Secure the area.

Obtain appropriate spill response equipment and personal protective equipment.

Identify the source of the release. Determine the origin of the release. Is the release from a leaking transmission? A ruptured transmission hose? A spilled drum?

Shut off source/shut off equipment. If the release occurred as a result of fueling operations, turn off the fuel source. If the release occurred due to faulty equipment, make sure equipment is turned off.

Contain the spill.

Contain the spill using appropriate spill response equipment provided in the on-site spill response kit.

Protect sensitive areas.

5. Cleanup spill.

The area is not paved therefore any spills or releases in this area will contaminate surface soil. Once the source and the spill have been contained, remove visibly contaminated surface soil (wet, stained, and/or odorous) with a shovel (found in the spill response kit). Depending on the volume, removed soil is to be placed in either a labeled drum, or in a stockpile. If removed soil is to be placed in a stockpile must be placed on and covered with plastic (visqueen). Sandbags or rocks will be used to anchor the plastic sheeting down.

6. The "person-in-charge" will notify the Chelan PUD project manager for appropriate local, state and federal agency notification. Spills to water will be reported not later than 1 hour after the spill is discovered.

## Potential Spill Source 7: Ethylene Glycol (fueling operations, leak, rupture, etc.)

Spill Type: Ethylene Glycol (Radiator Fluid)

Spill Response Equipment: appropriate PPE (fuel resistant gloves, eye protection), sorbent pads, kitty litter, 30-gallon plastic bags, "non-sparking" shovel, plastic sheeting, and one 55-gallon open top drum.

Spill Response Equipment Location: Spill Kit No. 1 located at the fueling/staging area

Spill Kit No. 2 located near each major area of work

Spill Response Procedures:

In the case of a release or spill of ethylene glycol, the following spill response procedures will be conducted:

- 1. Stop operations immediately.
- 2. Notify the "person-in-charge" for the project.

- 3. Assess the hazard. If the spill cannot be safely and effectively controlled, direct safe evacuation of the area, and notify outside response services. Implement EAP as appropriate.
- 4. If the spill is "incidental" and <u>can</u> be safely and effectively controlled by contractor personnel, then: (excavate area and call 911 if spill cannot be safely and effectively controlled).

Secure and ventilate the area of leak or spill.

Remove sources of ignition and isolate the area.

Contain and recover any liquid possible and absorb remainder with dry sand or earth (do not use combustible material such as sawdust).

Collect the material place in a waste container.

Obtain appropriate spill response equipment and personal protective equipment.

Protect sensitive areas.

5. The "person-in-charge" will notify the Chelan PUD project manager for appropriate local, state and federal agency notification. Spills to water will be reported not later than 1 hour after the spill is discovered.

## Potential Spill Source 8: Battery Acid (fueling operations, leak, rupture, etc.)

Spill Type: Battery Acid

Spill	Response	Equipment:	: appropriate PPE (fuel resistant gloves, eye protection), so	orbent
			pads, kitty litter, 30-gallon plastic bags, "non-sparking" sh	hovel,
			plastic sheeting, and one 55-gallon open top drum.	

Spill Response Equipment Location: Spill Kit No. 1 located in fuel truck and foreman's pickup.

Spill Kit No. 2 located near each area of major work. There will be baking soda within a small 5 gallon spill kit that will be located on each major piece of equipment for neutralizing the battery acid if needed.

Spill Response Procedures:

In the case of a release or spill of battery acid, the following spill response procedures will be conducted:

- 1. Stop operations immediately.
- 2. Isolate the area.
- 3. Assess the hazard. If the spill cannot be safely and effectively controlled, direct safe evacuation of the area, and notify outside response services. Implement EAP as appropriate.
- 4. If the spill is "incidental" and <u>can</u> be safely and effectively controlled by contractor personnel, then: (excavate area and call 911 if spill cannot be safely and effectively controlled).

Secure the area.

Absorb the the electrolyte with a non organic absorbant such as dry sand or earth (avoid dilution with water).

Vacuum any lead spilled from battery (do not sweep or use compressed air).

Use soda ash or baking soda to neutralize the electrolyte.

Protect sensitive areas.

5. The "person-in-charge" will notify the Chelan PUD project manager for appropriate local, state and federal agency notification. Spills to water will be reported not later than 1 hour after the spill is discovered.

# **Notification and Reporting**

The "Person-in-Charge" will contact the Chelan PUD Project Manager, Scott Tidd, who will initiate CQUD spill notification procedures regarding spill response activities. GBI will work with Chelan County PUD personnel to ensure the proper information and data is collected, so that it can accurately be communicated to the appropriate agencies. An overview of the reporting requirements is provided below as a reference.

## **Federal Reporting Requirements**

- Any spill of oil which 1) violates water quality standards, 2) produces a "sheen" on a surface water, or 3) causes a sludge or emulsion must be reported immediately by telephone to the National Response Center Hotline at (800) 424-8802.
- Any oil, hazardous substance, or hazardous waste release which exceeds a reportable quantity must be reported immediately by telephone to the National Response Center Hotline at (800) 424-8802. In Washington State reportable quantities are diminimous.
- Any emergency event that requires activation of the WQPP plan or a fire, explosion or spill of any amount that reaches navigable waters of the United States, must be reported in writing to the USEPA Regional Administrator within fifteen (15) days.
- If a discharge of more than 1,000 gallons of oil reaches waters of the U.S., or if two spill events, reportable under the Federal Water Pollution Control Act, occur within any 12 month period, a report must be submitted in writing to the USEPA Regional Administrator within 60 days.

## Washington State Reporting Requirements

• Any spill of oil or hazardous substance to waters of the state must be reported immediately by telephone to the Washington State Emergency Management Division at (800) 258-5990.

- Any release of a hazardous substance that may be a threat to human health or the environment must be reported to the Washington State Department of Ecology at Ecology's Central Regional Office 24 hour reporting line at 509.575.2490.
- Any release may be a threat to human health or the environment must be reported to the Washington State Department of Ecology, Toxics Cleanup Program within 24 hours of the release.

## Local Reporting Requirements

- In the event of a fire and/or explosion, contact the City of **Chelan** fire and Chelan County Sheriff's departments.
- If a spill enters the storm drainage system, contact the County of **Chelan** Public Works Department.
- If a spill cannot be safely and effectively contained and controlled a designated spill cleanup contractor will be contacted through the reporting process.

# **WQPP Plan Reporting**



# **External Notification Reference List**

Agency & Responsibilities	Contacts
City of Chelan Fire Department	phone : 911
• Fire fighting (City)	(509) 682-6722
Emergency medical response	(509) 682-4476
Community evacuation	
Chelan County Sherriff's Department	Phone : (509) 667-6851 or
Washington State Patrol	phone: (509) 663-9721
County of Chelan Public Works Department	Phone : (509) 682- 2420
• Information on storm drains and other utilities	
Lake Chelan Community Hospital	Phone : 509-682-3300
503 East Highland Avenue	
Chelan, WA 98841	
Ballard Ambulance Service- Wenatchee	phone: (509) 662-5111
Central Washington Hospital	phone: (509)662-1511
1201 S Miller	
Wenatchee, WA 98801	
Washington State Department of Ecology, Central Regional Office	phone : 509-575-2490
Reporting all spills to land and water	
National Response Center	phone : (800) 424-8802
• Reporting spills to water	
Washington State Emergency Management Division	phone : (800) 258-5990
• Reporting spills to water	
National Response Center	phone : (800) 424-8802
• Emergency spill response for chemical/oil spills	

# **Program Management**

The management of the implementation of this WQPP plan is the responsibility of **Goodfellow Bros., Inc.** "Person in charge." As such, we recognize that periodic review of material and equipment storage practices and equipment integrity and supplies is important to our success in implementing this WQPP plan. Also, we recognize the importance of a secured facility to protect against accidents and vandalism that may result in a spill of material that threatens human health or the environment. Our procedures to address these issues are provided below.

Daily site inspections are conducted **daily** to ensure that spill controls are in place and remain effective (Attachment C). Should any changes deam necessary in order to provide better protection they will be done so in conjunction with the Public Utility District No. 1 of Chelan County and the Department of Ecology.

**Goodfellow Bros., Inc.** Will conduct inspections (Attachment C) at the site at least weekly, or more often as required (during or after more than 0.5-inch of rainfall).

The master flow and drain valves for all tanks will be securely locked in the closed position when not in operation.

**Goodfellow Bros., Inc.** employees will be trained on the contents of this WQPP plan including spill source and receptor recognition, spill prevention planning, spill prevention techniques, spill response measures, and spill reporting protocol.

All personnel have responsibility for spill prevention. Any **Goodfellow Bros., Inc.** Or subcontractor employee who notices a leak will respond as appropriate based on their training, or if a spill has occurred, they will assume a defensive posture by avoiding the area and immediately notifying the "person in charge."

The designated person responsible for assessing spills, implementing this WQPP plan, and working with CCPUD staff to report spills to regulatory agencies is: **Ron Jordan** of **Goodfellow Bros., Inc.** <u>His</u> alternate is **Doug Smith.** 

The local fire department is responsible for emergency containment procedures when called to the site. The fire department takes measures necessary to prevent fire and explosion, and to protect people and property in the event of a fire or explosion.

The spill response contractor **National Response Center** is responsible for cleanup activities required as a result of spills or leaks when **Goodfellow Bros.**, **Inc.** does not have the training, equipment, or materials to cleanup spills.

# Attachments

Attachments A (EAP), Attachment B (Site Plan), Attachment C (Incident and Inspection Forms).

**CEII-Classified Document --**Confidential and Proprietary Information

Attachment A

See Next Page

# **CEII-Classified Document --**Confidential and Proprietary Information

## Attachment B



# Attachment C

Forms are found on the following pages

**Instructions:** Complete for any type of petroleum product or hazardous materials/waste release or incident. Provide a copy of this report to management.

1. Person Reporting Release or Incident:

Name	Address	
Organization		
Title		
Telephone		
Fax	Signature	

2. Type of Release:

Common Name of	
Released Substance	
Quantity Released (Estimate)	
Concentration (Estimate)	
Date of Release	//

Time Release			Time Release		
Started	AM	PM	Ended	AM	PM

3. Location of Release:

LAND RELEASE	WATER BODY RELEASE
Name of Site:	Name of Water Body:
Street Address:	Location of Discharge with Reference to Fixed Point:
City/Town:	Description of Area from which Release may be Reached:
County:	

4. If no release, describe incident:

Release or	<b>Incident Report Form</b>	
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Site: \_\_\_\_\_

Primary Contractor: \_\_\_\_\_

Effective Plan Date: \_\_\_/\_\_\_/\_\_\_

5. Actions taken:

To contain release or impact of incident:

To clean up release or recover from incident:

To remove cleanup material:

To prevent reoccurrence:

6. Person responsible for managing termination/ closure of incident or release:

Name: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

## **Daily Inspection For Construction Sites**

Site: Chelan River Project

Primary Contractor: Goodfellow Bros., Inc.

Effective Plan Date: 07/17/00

INSTRUCTIONS: Review each item. Check if each								
item is satisfied. If problem or concern is								
encountered, inspector initials in appropriate box and								
describes problem or concern in comments section.	MON	TUE	WED	THU	FRI	SAT	SUN	Comments
Report problems to (Person-								
in-Charge).								
INSPECTOR:								
WEEK OF:								
BULK TANK STORAGE								
- Pipe joints: no signs of deterioration or leaking?								
- Drainage from secondary containment required?								
- Tank locks available and useable?								
- Hoses for transfers of fuels OK; no signs of								
deterioration?								
CONTAINER STORAGE								
- Containers properly stored with lids in place?								
- Containers stored within secondary containment?								
- Containers properly and clearly labeled?								
- Integrity/condition of container is such not to result								
in a leak or spill?								
HEAVY EQUIPMENT PARKING								
- No evidence spills/ leakage?								
SPILL RESPONSE EQUIPMENT								
- Available & functional per EAP?								
SECURITY								
- Signs of deterioration or vandalism around								
perimeter or fence?								
- Gates open & close smoothly, locks available and								
useable?								
- Alarm systems available & functional per WQPP &								
EAP?								
- Security lights functional?								
ADDITIONAL ITEMS								
-								
-								

## Weekly Inspection For Construction Sites

Site: Chelan River Project

Primary Contractor: Goodfellow Bros., Inc.

Effective Plan Date: 07/17/00

INSTRUCTIONS: Review each item. Check if each item is	OK	Needs Improvement (describe)	Follow Up Action	Responsibility for follow
satisfied. If a problem or concern exists, describe and report to the				up action
Person-in-Charge for follow up action.				
AUDITOR:				
WEEK OF:				
DATE OF AUDIT://				
BULK TANK STORAGE				
- Tank integrity: seams, welds, supports				
- Tank secondary containment: seams, structure				

A spill response equipment list form is presented on the next page. List all spill response equipment to be brought and used on site and document if any used equipment is restocked (list date restocked and updated quantity).

# Spill Response Equipment Brought On Site

	Quantity						
Equipment	Initial/ Date	Change 1/ Date	Change 2/ Date	Change 3/ Date	Change 4/ Date	Planned Staging Area	Planned Spill Prevention/Use

# Chelan County PUD Spill Prevention and Release Reporting Program Applicable Federal & Washington State Rules and Regulations Overview

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Federal Programs						
Rule/Law and Program	Regulatory Citation	Rule Applicability	Regulatory Requirements			
Clean Water Act (CWA) as amended by the Oil Pollution Act of 1990 (OPA) - Oil Spills <u>Planning</u> • Facility Response Plans • Spill Prevention Control and Countermeasures (WQPP) Plans <u>Reporting</u> (see following page)	33 USC 1251 to 1376 40 CFR 110 40 CFR 112	<ul> <li>Planning - Facility Response Plan</li> <li>A Facility Response Plan is required of any onshore, non-transportation-related facility<sup>a</sup> which could reasonably be expected to cause substantial harm to the environment by discharging oil.</li> <li>The facility must also meet any of the following criteria:</li> <li>Have a total oil storage capacity ≥ 42,000 gallons and perform oil transfers to and from vessels over water</li> <li>Have had a reportable oil spill ≥ 10,000 gallons within the past 5 years</li> <li>Have a total oil storage capacity ≥ 1 million gallons which is not equipped with adequate secondary containment</li> <li>Have a total oil storage capacity ≥ 1 million gallons and is located close to an "environmentally sensitive area"</li> <li>Have a total storage capacity ≥ 1 million gallons which a discharge could disable a drinking water intake</li> </ul>	<ul> <li>Planning - Facility Response Plan</li> <li>Facility Response Plans were required to be submitted to the EPA or U.S. Coast Guard for approval by February 1993. Facilities that began operation after February 1993, must submit a Facility Response Plan prior to August 1994 or prior to the start of operations. Facility Response Plans must address all of the following elements:</li> <li>Must be consistent with the National Oil and Hazardous Substance Pollution Contingency Plan and Area Contingency Plans</li> <li>Identify a qualified individual having full authority to implement removal actions, and require immediate communication between that person and the appropriate federal authorities and responders</li> <li>Identify and ensure availability of resources to remove, to the maximum extent practicable, a worst-case discharge of oil</li> <li>Describe training, testing, unannounced drills, and response actions of persons at the facility</li> <li>Be updated periodically to reflect facility changes</li> <li>Be submitted for approval with each significant change in design construction, operation, or maintenance</li> </ul>			
		<ul> <li><u>Planning - WQPP Plans</u></li> <li>An WQPP Plan is required of a non-transportation-related onshore or offshore facility<sup>a</sup> which:</li> <li>Has a total aboveground storage capacity greater than 1,320 gallons of oil (or greater than 660 gallons in a single tank), or the total underground storage capacity is greater than 42,000 gallons of oil.</li> <li>Based upon physical location, could be "reasonably expected" to discharge oil in harmful quantities into the navigable waters of the U.S. or adjoining shoreline</li> <li>Note: The State of Washington has an equivalent program. Facilities subject to the federal WQPP program should follow state guidance.</li> </ul>	Planning - WQPP PlansA written WQPP Plan must be prepared within six months and implemented no later than 1 year after the commencement of facility operations. The WQPP Plan must contain:• Description of spills occurring within the past year• Prediction of rate, flow and total quantity that may be released• Description of containment or diversion structures• Written procedures for inspections• Description of site security measures• Employee training on the contents of the WQPP Plan• Certification by a registered professional engineerThe plan must be maintained on-site and made available for agency review.			

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	Federal Programs						
Rule/Law and Program	Regulatory Citation	Rule Applicability	Regulatory Requirements				
CWA as amended by the Oil Pollution Act of 1990 (OPA) - Oil Spills - Continued <u>Reporting</u>	33 USC 1251 to 1376 40 CFR 110 40 CFR 112	<ul> <li><u>Reporting</u></li> <li>Notification required for <b>any discharge</b> of oil into or upon navigable waters or adjoining shorelines that:</li> <li>Violates water quality standards</li> <li>Causes a sheen or discoloration of the water's surface or adjoining shoreline</li> <li>Causes a sludge or emulsion to be deposited beneath the water's surface or upon the adjoining shoreline</li> </ul>	Reporting Immediate verbal notification is required to the National Response Center. If the NRC cannot be immediately notified, the U.S. Coast Guard or EPA predesignated On-Scene Coordinator for the geographic area where the discharge occurred may be notified. A written follow-up report is due within 30 days to EPA Region 10 offices, state emergency response commission, local emergency planning committee or fire department.				
CWA - Hazardous Substance Spills <u>Reporting</u>	40 CFR 117	Reporting Notification is required for the release of a designated hazardous substance in a reportable quantity during a 24-hour period where the spill is in or alongside navigable waters.	ReportingImmediate verbal notification is required to the National Response Center. If the NRC cannot be immediately notified, the U.S. Coast Guard or the EPA predesignated On-Scene Coordinator for the geographic area where the discharge occurred may be notified.A written follow-up report is due within 30 days to EPA Region 10 offices, state emergency response commission, local emergency planning committee or fire department.				
CWA - National Pollutant Discharge and Elimination System (NPDES) <u>Reporting</u>	33 USC 1342, 1316 40 CFR 121-125 and 40 CFR 401-471	Reporting Notification is required for any noncompliance with NPDES permit conditions that may endanger public health or the environment. Notification is also required for any unanticipated bypass or intentional diversion of permitted waste streams and any upset or unintentional and temporary noncompliance with NPDES permit limitations beyond the control of the permittee.	<ul> <li><u>Reporting</u></li> <li>Verbal notification to the National Response Center is required within 24 hours of any noncompliance. If the NRC cannot be reached, the U.S. Coast Guard or the EPA predesignated On-Scene Coordinator for the geographic area where the discharge occurred may be notified.</li> <li>A written follow-up report is due within 5 days to EPA Region 10 offices, state emergency response commission, local emergency planning committee or fire department.</li> </ul>				
Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) <u>Reporting</u>	42 USC 9601-9604 40 CFR 302 et seq. List of reportable substances and quantities found at 40 CFR 302.4.	Reporting A release of a CERCLA listed hazardous substance in quantities equal to or greater than their reportable quantity. Also applies to gradual releases that exceed the reportable quantities over a 24-hour period, and discharges in amounts that exceed permit limits.	Reporting         Report release immediately to the National Response Center, state emergency response commission, local emergency planning committee or fire department. Written follow-up report within 30 days to EPA Region 10, state emergency response commission, local emergency planning committee or fire department.				

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		Federal Programs	
Rule/Law and Program	Regulatory Citation	Rule Applicability	Regulatory Requirements
CERCLA Emergency Planning and Community Right-to-Know Act (EPCRA) - Extremely Hazardous Substances <u>Planning</u> • Emergency Planning and Response	42 USC 11001-11050 40 CFR 355	<u>Planning - Emergency Planning and Response</u> Required to notify state and local agencies if at any one time, the facility has onsite an extremely hazardous substance in a quantity greater than its threshold planning quantity (40 CFR 355.30)	<u>Planning - Emergency Planning and Response</u> Initial notification by existing facilities was to be made to the State Emergency Response Commission (SERC) by May 17, 1987. Any facility which is newly affected must notify its SERC after the facility first commences production, storage, or use of extremely hazardous substances.
Reporting		<u>Reporting</u> Essentially the same as CERCLA reporting. EPCRA's emergency notification requirement covers facilities that produce, use, or store hazardous chemicals as defined by OSHA's hazards communications standard, and any release of a hazardous substance or extremely hazardous substance in excess of the reportable quantity.	Reporting Report release immediately to the National Response Center, state emergency response commission, local emergency planning committee or fire department. Written follow-up report within 30 days to EPA Region 10, state emergency response commission, local emergency planning committee or fire department.
CERCLA/EPCRA - Transportation Releases <u>Reporting</u>	42 USC 11001-11050 40 CFR 355	Reporting CERCLA/EPCRA requires <b>notice of releases that occur</b> <b>during transportation</b> of any released substance that meets or exceeds the reportable quantity.	ReportingReport release immediately to the National Response Center, state emergency response commission, local emergency planning committee or fire department. Written follow-up report within 30 days to EPA Region 10, state emergency response commission, local emergency planning committee or fire department.

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		Federal Programs	
Rule/Law and Program	Regulatory Citation	Rule Applicability	Regulatory Requirements
Resource Conservation and Recovery Act (RCRA) - Hazardous Waste <u>Planning</u> • Contingency Plan <u>Reporting</u> • Releases from Small Quantity Generators (SQG)	42 USC 6901-6991 40 CFR 262.34(d)	<ul> <li>Planning - Contingency Plan</li> <li>The following facilities<sup>a</sup> are required to prepare a Contingency Plan:</li> <li>Treatment Storage and Disposal Facility (TSDF) owners and operators</li> <li>Large quantity generators (LQGs) of hazardous waste (generating 1,000 kg or more of hazardous waste per month), who accumulate hazardous waste on-site without a permit, but in accordance with RCRA's 90-day accumulation rule (40 CFR 262.34)</li> <li>SQGs (generators of greater than 100 kg, but less than 1,000 kg per month) are exempt from Contingency Plan requirements except if the SQG accumulates on-site more than 6,000 kg of hazardous waste for more than 180 days (270 days if the waste must be transported &gt; 200 miles).</li> </ul>	Planning - Contingency Plan         A copy of the Contingency Plan must be kept on site. The plan must be submitted to the following:         • Local fire and police departments         • Local hospitals         • Local emergency response team         • State emergency response team         • State environmental agency (WDOE)         • EPA (TSDFs only)         The plan must amended according to and contain the elements described in 40 CFR 264.52 and 40 CFR 265.52.
RCRA - Underground Storage	40 CFR 262.50 et seq.	Note: The State of Washington has an equivalent program. Facilities subject to the federal Contingency Plan should follow state guidance. <u>Reporting - Releases from SQGs</u> Notification of any fire, explosion, or release which could threaten human health outside the facility is required from any designated SQG of hazardous waste. Reporting	Reporting - Releases from SQGs Immediate notification is required to the National Response Center.
Tank (UST) Releases <u>Reporting</u>	<b>.</b>	Notification required of any suspected release from a registered UST by the owner or operator.	Immediate or within 24 hours verbal notification to EPA Region 10 UST Office, or designated state or local agency authorized to administer an approved UST program (WDOE). A written follow- up report shall be made within 20 days.

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		Federal Programs	
Rule/Law and Program	Regulatory Citation	Rule Applicability	Regulatory Requirements
RCRA - Transportation Releases <u>Reporting</u>	40 CFR 263.30(c) which refers to 49 CFR 171.15 et seq Dept. of Transportation (DOT) Regulations	Reporting         RCRA hazardous materials and wastes when transported by highway, rail, air, and water are regulated by the DOT under the Hazardous Materials Transportation Act. Notice is required of any transportation-related release (including loading and unloading) if:         • Anyone is killed         • Anyone is hospitalized because of injuries         • Property damage totals \$50,000 or more         • A fire, breakage, spillage, or radioactivity contamination of a shipment of radioactive material takes place         • A fire, breakage, spillage, or radioactivity contamination of a shipment of etiological agents takes place	Reporting         Immediately call 911 and the National Response Center. If the spill involves radioactive material or etiologic agents, then the Centers for Disease Control, U.S. Public Health Service should be notified instead at (404) 633-5313 or (202) 267-2675.         A written follow-up report (DOT Form F) is due within 15 days to the DOT Systems Manager, Research and Special Programs Administration in Washington D.C.
Toxic Substance Control Act (TSCA) - Polychlorinated Biphenyls (PCB) <u>Reporting</u> TSCA - Substantial Risk Reporting <u>Reporting</u>	40 CFR 761.30(a) and 40 CFR 761.125 43 Federal Register 11110 (1978)	Reporting         Notification required after discovery of a PCB spill or leak which reaches water, grazing lands, vegetable gardens, or exceeds 10 pounds.         Reporting         Notification required for any release, leak, or spill of a hazardous chemical which "seriously threatens humans with cancer, birth defects, mutation, death, or serious or prolonged incapacitation, or seriously threatens the environment with large scale or ecologically significant population destruction."	Reporting         Immediate verbal notification is required to EPA Region 10,         Office of Pesticides and Toxic Substances Branch. A follow-up written report is due within 15 days of verbal report.         Reporting         Immediate verbal notification is required to EPA Region 10,         Office of Pesticides and Toxic Substances Branch. A follow-up written report is due within 15 days of verbal report.         If the incident has been reported under the CWA, then no TSCA "substantial risk" reporting is required.
NOTES:			

<sup>a</sup> Regulation applies to **facilities only**. Construction sites are **not** regulated under this rule and should only use the regulation as a **guidance only** for the development of WQPP plans.

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		Washington State Programs	
Rule/Law and Program	Regulatory Citation	Rule Applicability	Regulatory Requirements
<ul> <li>Facility Contingency Plan and Response Contractor Standards - Oil Spills</li> <li><u>General</u></li> <li>Comparison to Federal WQPP Plan</li> </ul>	Washington Administrative Code (WAC) 173-181	<u>General - Comparison of State and Federal Programs</u> Applicability criteria for the Washington program are more stringent than the federal program. The Washington program does not consider the storage capacity of the <b>facility</b> <sup>a</sup> in determining applicability.	General - Comparison of State and Federal Programs Washington has incorporated all of the elements of the federal WQPP program into its Facility Oil Spill Contingency Plan rules. Washington's program requires more information than the WQPP Plan; therefore, compliance with the Washington program should satisfy the requirements of the federal program.
Facility Oil Spill Contingency Plan		<u>Planning - Facility Oil Spill Contingency Plan</u> All onshore and offshore <b>facilities</b> <sup>a</sup> , regardless of storage capacity, which handle oil product <i>and</i> which transfer oil in bulk to or from a tank, vessel, or pipeline must file a plan. In order for onshore facilities to be subject to this rule, they must be in a location that could reasonable be expected to discharge oil to navigable waters or adjacent shorelines.	<ul> <li><u>Planning - Facility Oil Spill Contingency Plan</u></li> <li>A written Facility Oil Spill Contingency Plan must be prepared 65 days prior to the beginning of operations. The Plan must contain all of the elements of the federal WQPP plan plus the following:</li> <li>Purpose and scope of plan</li> <li>Organization of the spill response system, personnel capability, and training</li> <li>Primary response contractors and cleanup cooperatives</li> <li>Procedures for early detection, timely notification, communications, and spill stoppage</li> <li>Description of equipment characteristics, location, and capability</li> <li>Interim storage and final disposal</li> <li>Identification of environment sensitivity and means of protecting wildlife and the environment</li> <li>The plan must be submitted to the Washington Department of Ecology (WDOE) for review and approval.</li> </ul>

		Washington State Programs	
Rule/Law and Program	Regulatory Citation	Rule Applicability	Regulatory Requirements
Washington Hazardous Waste Management Act - Dangerous Waste Regulations - Releases to the Environment <u>Reporting</u>	WAC 173-303	Reporting         Washington requires that any release of a hazardous substance/dangerous waste into the environment be immediately reported regardless of the quantity of the release.         The definition of a hazardous substance/dangerous waste is very broad and includes such criteria as the waste's toxicity, persistence, and carcinogenicity. The definition includes the following waste types:         CERCLA-listed substances         petroleum products	Reporting         Immediate verbal notification is required to all local authorities in accordance with the local emergency plan as well as the appropriate regional office of WDOE.         A written follow-up report is due to the WDOE within 15 days after implementing the contingency plan.
Washington Hazardous Waste Management Act - Dangerous Waste Regulations - Releases During Transport <u>Reporting</u>	WAC 173-303-270	Reporting         Washington requires that any release of a hazardous substance/dangerous waste into the environment while being transported must be <b>immediately reported</b> regardless of the quantity of the release.         The definition of a hazardous substance/dangerous waste is very broad and includes such criteria as the waste's toxicity, persistence, and carcinogenicity. The definition includes the following waste types:         •       CERCLA-listed substances         •       petroleum products	<ul> <li><u>Reporting</u></li> <li><b>Immediate verbal notification</b> is required to: <ul> <li>all local authorities in accordance with the local emergency plan</li> <li>the appropriate regional office of WDOE</li> <li>the generator of the waste</li> <li>the NRC if required by 49 CFR 171.15</li> </ul> </li> <li>A written follow-up report is due to the WDOE within 15 days after implementing the contingency plan. A written report is also required to be submitted to the Director of Hazardous Materials Regulations, Materials Transportation Bureau, Department of Transportation in Washington D.C.</li> </ul>

		Washington State Programs	
Rule/Law and Program	Regulatory Citation	Rule Applicability	Regulatory Requirements
<ul> <li>Washington Hazardous Waste Management Act - Dangerous</li> <li>Waste Regulations - Waste Generator Requirements</li> <li><u>Planning</u></li> <li>Contingency Plan - for Treatment, Storage and Disposal Facilities (TSDFs) and Large Quantity Generators (LQGs)</li> </ul>	WAC 173-303-200(1)(e) WAC 173-303-201 WAC 173-303-350 WAC 173-303-360	<ul> <li><u>Planning - Contingency Plan</u></li> <li>The following facilities<sup>a</sup> are required to prepare a Contingency Plan:</li> <li>TSDF owners and operators</li> <li>LQGs of hazardous waste who accumulate more than 2,200 lbs. (1,000 kg) of hazardous waste on-site without a permit, but in accordance with the 90-day accumulation rule.</li> </ul>	Planning - Contingency Plan The Contingency Plan shall include all elements required in the federal program including any additional information required by WAC 173-303-350(3). The Contingency Plan shall be submitted to the same list of authorities as described in the federal Contingency Plan.
<ul> <li>Small Quantity Generator (SQG) Planning Requirements</li> <li>Emergencies for TSDFs and LQGs</li> <li>Emergencies for SQGs</li> </ul>		Planning - SQG Planning Requirements A facility <sup>a</sup> is classified as a SQG in Washington if the facility generates more than 200 lbs, but less than 2,200 lbs. (1,000 kg) per month. The special provisions for SQGs do not apply to generators of acutely hazardous wastes which exceed the quantity exclusion limits (QEL) as defined in WAC 173-303-070.	<ul> <li>Planning - SQG Planning Requirements</li> <li>In lieu of a Contingency Plan, SQGs must have at all times an employee on the premises or on call with the responsibility of coordinating emergency response efforts. The SQG must familiarize all employees of proper waste handling and emergency procedures and post the following information near all emergency communication devices (telephones, 2-way radios, etc.):</li> <li>name and number of emergency coordinator</li> <li>location of fire extinguishers, spill control material, and fire alarm (if present)</li> <li>number of fire department (unless direct alarm present)</li> </ul>
		Reporting - Emergencies for TSDFs and LQGs         Notification is required in the event of any fire, explosion, or release which could threaten human health or the environment.         Reporting - Emergencies for SQGs         Notification is required in the event of a fire, explosion, or other release which could threaten human health outside the facility or when the generator has knowledge that the spill has reached waters of the state.	Reporting - Emergencies for TSDFs and LQGsImmediate verbal notification is required to the WDOE andeither the government official designated as the on-scenecoordinator, or the NRC. A written follow-up report is due tothe WDOE within 15 days of the emergency incident.Reporting - Emergencies for SQGsImmediate verbal notification is required to the WDOE andeither the government official designated as the on-scenecoordinator, or the NRC.

Washington State Programs								
Rule/Law and Program	Regulatory Citation	Rule Applicability	Regulatory Requirements					
Model Toxics Control Act (MTCA)	WAC 173-340	<u>Reporting</u> Notification required for reporting a release of a hazardous substance into the environment as a <b>result of past</b> <b>activities at the facility/site.</b>	ReportingWritten notification to the WDOE within 90 days of discovery of a hazardous substance that has been released and may be a threat to human health or the environment.					
Underground Storage Tank (UST) Regulations <u>Reporting</u>	WAC 173-360	Reporting Notification required of any known or suspected release from a registered UST.	ReportingAn immediate verbal notification by the owner or operator to the nearest WDOE office is to be made after the discovery of a spill or release that came into contact with the soil, groundwater, or surface water.Verbal notification within 24-hours to the nearest WDOE office is required for any petroleum spill that was above the <i>de</i> <i>minimis</i> level (petroleum that immediately evaporates), but did not come into contact with the soil, groundwater, or surface water.The following written follow-up reports may be required to be filed with the WDOE:24-hour initial report after discovery of the spill or leak20-day status report after confirming a release has occurred90-day site characterization report after confirming release 90-day final cleanup report after completing any cleanup action					

## NOTES:

<sup>a</sup> Regulation applies to **facilities only**. Construction sites are **not** regulated under this rule and should only use the regulation as guidance **only** for the development of WQPP plans.

PIG® industrial absorbents, absorbent mats, absorbent socks, wipers, oil spill response, m... Page 1 of 2



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# **Product Data Sheet**

# Item Number: MAT475

# Item Name: PIG® Absorbent Ground Tarp - Oil-only

## Absorbency

•6 gal./each (22.7 L/each)

Options Available											
Item #	Size	Color	Misc. Features	Amount	Length	Width	Height	Depth	Int. Dia.	Ext. Dia.	Weight
MAT475	-	-		1 each	10' (3m)	5' (152.4cm)	-	-	-	-	5.513lbs. (2.5kg)

## Color: Black

## Description

A heavy-duty 3-ply absorbent constructed with a highly absorbent oil-only polypropylene core sandwiched between a non-permeable bottom barrier film and tough polypropylene top fabric with grommets in each corner.

## Application

For use as a ground tarp during routine maintenance. Also ideal as a barrier for catching leaks from leaking equipment and parts or in any environment where a UV-stable, highly-durable absorbent mat with barrier film is needed.

## **Product Features**

- Heavy-duty 3-ply Tarp makes sure that oily leaks and drips never reach the ground; won't absorb a drop of water
- Durable geotextile fabric top layer lets liquid pass through to an oil-only absorbent polypropylene core that traps oils but lets rainwater evaporate
- Non-permeable polyethylene bottom layer keeps the captured oil from leaching through to the ground
- Use it as a ground tarp during routine maintenance or as a barrier to catch leaks from equipment
- Features brass corner grommets for tying it in place
- UV-resistant and reusable
- Need a custom size? Call us at 1-800-HOT-HOGS®
- Pre-cut 10' L x 5' W Tarp absorbs up to 6 gallons of oil, but not water

## Composition

- 100% Polypropylene (Oil-Only 11osy Meltblown center)
- 100% Polypropylene (3.5 osy. Needle-Punch top).

http://www.newpig.com/en\_US/content/current/MAT475.htm

- 100% Polyethylene (4 mil. backing).
- Brass grommets



PDS generated: Jun 22, 2006



# **MATERIAL SAFETY DATA SHEET**

PIG® Absorbent Ground Tarp System (MSD-171)

1. Product And Company Identification

## Product Identifier: PIG® Absorbent Ground Tarp System

**General Use:** PIG® Absorbent Ground Tarp System is designed to be used as a highly absorbent ground tarp, a barrier, to catch leaks from equipment or parts and to be a durable absorbent. This product may be used indoors or outdoors, for oil based liquids only.

**Product Description:** 3-ply layer of absorbent sheeting that may have grommets, Velcro® or film backing. Exterior materials are black, interior material is white.

Specific Product Identifiers: PIG<sup>®</sup> Ground Tarp, PIG<sup>®</sup> Rail Road Absorbent

COMPANY PROFILE:EMERGENCY TELEPHONE:New Pig CorporationINFOTRACOne Pork Avenue200 North Palmetto StreetTipton, PA 16684-0304Leesburg, FL 34748Information Number24 hrs, 7 days/week1-800-468-46471-800-535-5053

## 2. Composition/Information on Ingredients

Components	<u>wt. %</u>	CAS Registry #		
Top Layer: Polypropylene				
Needle Punch	100	9003-07-0		
Middle Layer: Polypropyle	ne			
Melt-blown	100	9003-07-0		
Film Layer: Polyethylene	100	9002-88-4		
May contain:				
Grommets				
Velcro®				
(Product	considered n	on-hazardous)		

## 3. Hazards Identification

## POTENTIAL HEALTH EFFECTS:

Eye Contact: No hazard in normal use of product Ingestion: No hazard in normal use of product Inhalation: No hazard in normal use of product Skin Contact No hazard in normal use of product Chronic: Not established

## 4. First Aid Measures

Eye Contact: Not applicable Ingestion: Not applicable Inhalation: Not applicable Skin Contact: Not applicable Page 1 of 2

1 age 1 of
5. Fire Fighting Measures
Flash Point: Not available Method: Not applicable
Auto Ignition Temperature: 825° F (440° C)
Flammable Limits: Not established
Conditions of Flammability: Not established
Explosive Properties: Not applicable
Extinguishing Media: <u>Unused form</u> : water, chemical foam, dry chemical or carbon dioxide. <u>Used form</u> : that which is compatible to
iquid(s) absorbed.
Special Fire Fighting Procedures: Wear a self-contained breathing apparatus and refer to absorbed liquid(s) MSDS(s).
Hazardous Combustion Products: Carbon monoxide, carbon dioxide acrolein, ketones, aldehydes and other unidentified organic compound may be formed upon combustion.
Unusual Hazards: Refer to absorbed liquid(s) MSDS(s). The PIG®
Absorbent Ground Tarp System <u>does not</u> render liquids nonflammable neutral or less hazardous.

## 6. Accidental Release Measures

Spill or Leak Procedures: If material is unused, pick up and dispose of as a non-hazardous material.

## 7. Handling and Storage

Handling and Storage Precautions: None
Storage Temperature: Room temperature
Storage Pressure: Not applicable
Shelf Life: Indefinitely - as long as product is kept in a clean, dry place away from direct sunlight.
General: The PIG® Absorbent Ground Tarp System does not render liquids nonflammable, neutral or less hazardous. The container can be hazardous when empty. Follow label cautions even after the container is empty. Do not re-use empty containers for food, clothing or products for human or animal consumption, or where skin contact can occur.

## 8. Exposure Controls/Personal Protection

Engineering Controls: None PERSONAL PROTECTION

**Eyes:** Safety glasses with side shields is a good industrial practice **Respirator:** Not required

Gloves: Not normally required. However, when handling bulk, use of cloth, canvas or leather gloves is a good industrial practice. Other: None required



# MATERIAL SAFETY DATA SHEET

#### PIG® Absorbent Ground Tarp System (MSD-171)

## 9. Physical and Chemical Properties

Appearance: Exterior materials are black, interior material is white. Physical State: Solid Odor: No odor Odor Threshold: Not applicable Vapor Pressure: Not applicable Vapor Density: Not applicable Specific Gravity: 0.91 - 0.97 Solubility in Water: Insoluble Coefficient of Water/Oil Distribution: Not available pH: Not applicable Boiling Point: Not applicable Evaporation Rate: Not applicable Melting Point: 320° F (160°C)

#### 10. Stability and Reactivity

General: This is a stable material. Conditions of Reactivity: Not established Incompatible Materials: Strong oxidizing agents may degrade product over an extended period of time. Conditions to Avoid: None. Hazardous Decomposition: When heated, it may emit toxic fumes. Hazardous Polymerization: Will not occur

#### **11. Toxicological Information**

LD50: Not available LC50: Not available Carcinogenicity: IARC: Not established National Toxicology Program: Not established OSHA: Not established California Prop 65: No listed ingredient Reproduction Toxicity: Not available Teratogenicity: Not available Mutagenicity: Not available Synergistic Products: Not available Irritancy of Product: See Section 3. Sensitization to Product: Not available

#### 12. Ecological Information

No data available.

#### 13. Disposal Considerations

Waste Disposal Method: If unused, no special precautions are necessary. Dispose of in accordance with federal, state and local regulations. In certain types of cleanup applications the nature of the material recovered will classify the resulting spent material as a hazardous component. In such instances the material should be disposed of via an approved hazardous waste disposal service and the appropriate manifesting obtained.

#### 14. Transport Information

DOT (Department of Transportation): Proper Shipping Name: Not regulated Hazard Class: Not regulated Identification Number: Not applicable

#### 15. Regulatory Information

CERCLA (Comprehensive Environmental Response Compensation and Liability Act): No Reportable Quantity OSHA Hazard Communication Standard, 29 CFR 1910.1200: No listed ingredient SARA Title III (Superfund Amendments and Reauthorization Act): No listed ingredient TSCA (Toxic Substances Control Act): All ingredients are listed.

# 16. Other InformationNFPA Hazard Ratings: Health - 0none $\rightarrow$ extremeFire - 1 $0 \rightarrow 4$ Reactivity - 0Reason for Issue: Reviewed, change to Section 16, added trademark<br/>statement to disclaimer on Page 2.Prepared by: Dale Gatehouse, Entreprises Krenda Inc.Approved by: Lisa Baxter, New Pig Corporation<br/>Previous Date of Issue: 02/05/2007<br/>Revised Date: 02/28/2008<br/>MSDS Number: MSD-171

The following is in lieu of all warranties, expressed or implied: All information provided is based on testing and data believed to be accurate. PIG® is a registered trademark of New Pig Corporation. All New Pig Corporation trademarks are protected by U.S. and International law.

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## Attachment D:



## Attachment E:

# Map Legend:

- 1. Pre Construction Staging area to mobilize equipment.
- 2. Temporary berm to be installed prior to building diversion channel. Berm will be built parallel to the tailrace channel in order to contain turbid water within the diversion channel and allow it to settle out prior to the spill event from the dam.
- 3. Equipment staging, fueling and maintenance areas to be used during construction.
- 4. Berms will be put in place using native materials from the diversion channel excavation in order to keep all spill flows within the excavated channel.
- 5. Potential locations for oil absorbant booms.
- 6. Areas where screening of materials will likely take place.
- 7. Background turbidity monitoring sampling locations.
- 8. Designated concrete washout area.
- 9. Compliance turbidity monitoring sampling locations.



PRIM. ENG. J. KIDDER	CHELAN PUD NO.1	s	CALE	BAR IS ONE INCH ON VERIFY SCALE	IF NOT ONE INC	H ON		BUBLIC UTILITY DISTRICT NO 1		
2ND ENG. P. POWERS	PRIM. ENG.	1-	= 100'	ORIGINAL DRAWING. 0	SCALES ACCORDI	INGLY.				AUTHORIZ
DESIGNER C. REYNOLDS	2ND ENG.	Ø	FEB 6, 2008					UF GHELAN COUNTY	P.U.D.	
APPROVAL J. KIDDER	PROJ. MGR: V. CHAMBERLAIN	REV	DATE	REVISION		REQ. BY	DRFT	WENATCHEE, WASHINGTON		
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