

Final Report

Clackamas River Water Providers FY 2019/20 Activities

*Brittney Wendell
Oregon Manager
bwendell@pprc.org*

*Pacific Northwest Pollution
Prevention Resource Center
13751 Lake City Way NE, Suite 305
Seattle, WA 98125*

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pacific northwest
POLLUTION PREVENTION
resource center



Introduction

Pacific Northwest Pollution Prevention Resource Center (PPRC) is a 501(c)3 nonprofit organization incorporated in the state of Washington in 1990. PPRC is the Northwest Region's largest nonprofit organization that provides on-the-ground technical assistance to local, state, and federal government, communities, nonprofits, businesses, and other partners who are seeking to reduce pollution at its source and improve their economic vitality. Since 2014, PPRC has worked with the Clackamas River Water Providers (CRWP) to deliver technical assistance and outreach to automotive businesses and landscapers using the EcoBiz Certification standards. PPRC has been working with CRWP since 2016 to implement Clackamas River drinking water protection projects.

Project Overview

During the 2019/20 fiscal year, PPRC contracted with CRWP to continue implementation of drinking water protection projects. The following table outlines the Proposed Tasks and Completed Activities during 2019/20.

Proposed tasks	Description of work completed
Perform outreach at businesses that could receive hazardous material education and technical assistance	PPRC contacted and offered technical assistance to fifty (50) commercial and industrial facilities within the Clackamas River Watershed. See Appendix A for Outreach Map, and Appendix B for a Summary of Business Interactions.
Provide technical assistance to ten (10) commercial and industrial businesses	<p>PPRC provided technical assistance and recommendations reports to seven (7) commercial and industrial businesses. All of these businesses received environmental assessments and recommendations to help protect drinking water, as well as spill response signs and spill kits (when needed). (See Appendix C for Recommendations Reports).</p> <p>NOTE: <i>In March 2020, assistance was interrupted by the COVID-19 pandemic and some businesses that were interested in assistance became unreachable.</i></p>
Design outreach materials and assist with the production and distribution of outreach materials	<p>PPRC worked with CRWP to finalize the following items to support Drinking Water Protection Project outreach efforts:</p> <ul style="list-style-type: none">• Online Fillable Inspection Checklist• Updated outreach letter <p>PPRC distributed the following materials to businesses:</p> <ul style="list-style-type: none">• Spill Kits (7)• Spill Mats (3)• Spill Response Signs (30)• Storm Drain Markers (9)• Brochures (48); (23 printed copies, 25 via email)• Free Spill Prevention Tools Flyer (48); (23 printed copies, 25 via email)

Additional Activities

On October 2, 2019, PPRC delivered a presentation at the CRWP Board meeting. PPRC discussed 2018-19 activities and outcomes and answered questions about the program.

Free Tools Purchased

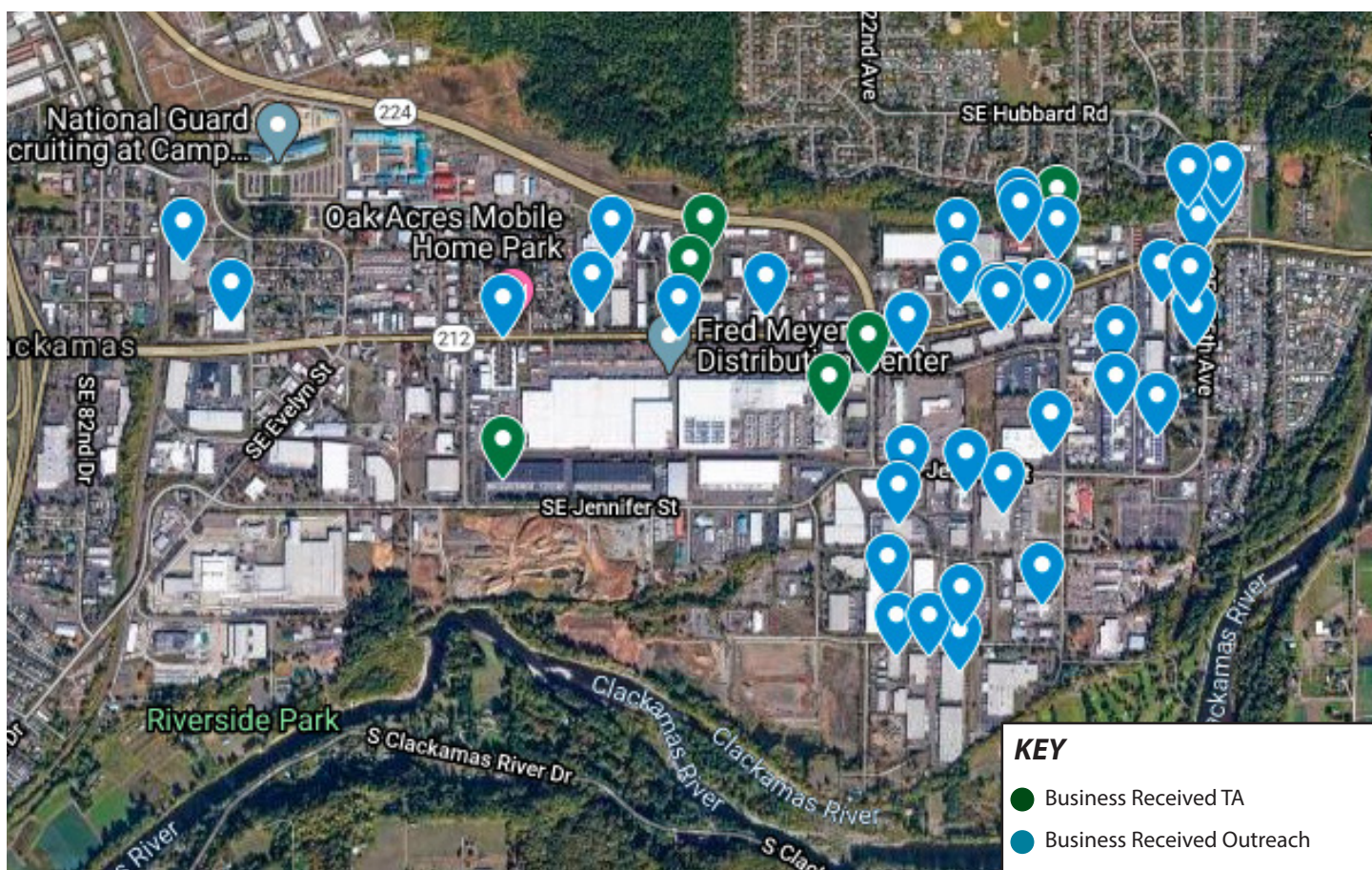
Business	Tool	Cost
Agrinos	IBC Spill Pallet	\$1,369.91
Fuller Brothers	(2) x 4-drum Spill Pallets	\$729.22
	(4) x 4-drum Spill Pallets	\$1,355.13
	TOTAL	\$3,454.26

P2 Improvements

P2 Efforts	Improvement	# of People Reached
Secondary Containment	805 gallons of haz material prevented from release	
Spill Kits	7 spill kits at 7 businesses	
Spill Mats	3 spill mats at 2 businesses	
Eliminated Soap from Truck Wash	Approx. 260 truck washes with soap prevented per year	
Mop Water to Sanitary	1566 gallons of mop water diverted from storm per year	
Outreach*		64

*Outreach: PPRC engaged 50 businesses, 7 of which received environmental evaluations. Evaluations reach an average of three people per business, and outreach is assumed to reach at least one person per business. $7 \times 3 = 21 + (50 - 7) = 64$

Appendix A: PPRC Outreach Map



Appendix B: Summary of Business Interactions

Business	Address	Notes	Tools Delivered
Agrinos	16007 SE 122nd Ave.	Conducted a site inspection and delivered a report. Recommended spill pallet for Sodium Hydroxide stored in IBC tote, spill pallet was purchased by PPRC and put into use by Agrinos. Recommended drive-over berms at bay doors to protect exterior stormdrain. Recommended spill mats for stormdrains below bay doors, two spill mats were delivered.	Spill kit, Spill sign, Spill brochure and flyer, Spill mats (2), Spill pallet, Stormdrain markers (4)
Enviro-Pak	15450 SE For-Mor Ct.	Conducted a site inspection and delivered a report. Recommended storing 55gal oven degreaser drums inside and on spill pallets.	Spill kit, Spill sign, Spill brochure and flyer, Stormdrain markers (2)
Clackamas Bakery	16253 SE 122nd Ave.	Conducted a site inspection and delivered report. Recommend sealing waste storage areas to prevent leachate from mixing with stormwater.	Spill kit, Spill sign (8), Spill brochure and flyer
Charlie's Produce	10755 SE Jennifer Street	Conducted a site inspection and delivered a report. Recommended spill pallet and roof for 55gal used oil drums. Currently negotiating with property management regarding spill pallet and roof installation.	Spill kit, Spill sign, Spill brochure and flyer
Dravon Medical Inc.	11465 SE Hwy. 212	Conducted a site inspection and delivered a report. Recommended business maintain storm drains and avoid discharge of mop water to storm system. Business implemented these recommendations. Recommended restoration of riparian area.	Spill kit, Spill sign, Spill brochure and flyer, Stormdrain markers (2)
Fuller Brothers Inc.	11507 SE Hwy. 212	Conducted a site inspection and delivered a report. Recommended secondary containment for DOWICIL QK-20 Antimicrobial chemical drums stored near floor drain. Two spill pallets were purchased by PPRC and put into use by Fuller Brothers Inc. Recommended drive-over berms at bay doors to protect exterior stormdrain. Recommended spill mat for stormdrain below bay doors, one spill mat was delivered.	Spill kit, Spill sign, Spill brochure and flyer, Stormdrain markers (1), Spill pallet (2), Spill mat
Pacific Seafood	16797 SE 130th Ave	Conducted a site inspection and delivered a recommendations report. Business had requested additional assistance. During site visit, business instructed truck washing contractor to discontinue use of soap. PPRC connected business with DEQ's Oregon Applied Sustainability Experience (OASE) internship. The business submitted a successful application and is working on reducing toxic chemical use with intern.	

Gladstone Machine	15451 SE For Mor Ct.	Visited business and provided spill kit and spill sign. Left follow up messages.	Spill kit, Spill sign, Spill brochure and flyer
Legacy Wireless Services	15580 SE For Mor Ct.	Visited business and provided spill sign. Recommended trucks be washed at a permitted truck wash facility.	Spill sign, Spill brochure and flyer
Space Age	13488 SE Hwy 212 #8955	Visited business and provided spill sign. Left follow up messages.	Spill sign, Spill brochure and flyer
North America Mattress Corp.	11235 SE Hwy 212	Visited business and provided spill sign. Left follow up messages.	Spill sign, Spill brochure and flyer
Apple Auto Glass	11231 SE Hwy 212	Visited business and provided spill sign. Left follow up messages.	Spill sign, Spill brochure and flyer
Ran Tech	12601 SE Highway 212	Visited business and provided spill sign. Left follow up messages.	Spill sign, Spill brochure and flyer
Kahut	9602 SE Clackamas Rd.	Visited business and provided spill sign. Left follow up messages.	Spill sign, Spill brochure and flyer
American Wood Dryers LLC	15495 SE For Mor Ct.	Visited business and provided spill sign. Left follow up messages.	Spill sign, Spill brochure and flyer
Hegar Manufacturing	15600 SE 125th Ct # 1	Visited business and provided spill sign. Left follow up messages.	Spill sign, Spill brochure and flyer
River City Custom Cabinets	15372 SE 135th Ave.	Visited business and provided spill sign. Left follow up messages.	Spill sign, Spill brochure and flyer
A Better Glass Shop Inc.	15330 SE 135th Ave.	Visited business and provided spill sign. Left follow up messages.	Spill sign, Spill brochure and flyer
Servpro	10117 SE Sunnyside Rd # F535	Visited business and provided spill sign. Left follow up messages.	Spill sign, Spill brochure and flyer
Builders FirstSource	15877 SE 98th Ave.	Visited business and provided spill sign. Business is not interested in a site visit, feel they are already protecting the water. Recommended they keep their waste dumpster closed.	Spill sign, Spill brochure and flyer
Fred Myer Distribution	11500 OR-212	Visited business and observed a need for secondary containment. No access into business was permitted. Left follow up messages.	None
Astronics	11241 SE Hwy 212	Visited business and provided spill sign. Left follow up messages.	Spill sign, Spill brochure and flyer
J & D Refrigerated Services	12300 SE Carpenter Dr	Visited business and provided spill sign. Left follow up messages.	Spill sign, Spill brochure and flyer
Schonert & Associates Inc.	12452 S.E. Capps Rd	Visited business and provided spill sign. No 55gal chemical drums used on site. One 55gal water drum on site.	Spill sign, Spill brochure and flyer

Fujii Produce	13011 SE 135th Ave # 206	Visited business and provided spill sign. Left follow up messages.	Spill sign, Spill brochure and flyer
Applied Industrial Technologies	13023 SE Jennifer St #502	Emailed business about the CRWP spill prevention program. Called to follow up and LVM.	Emailed website: Spill brochure and flyer
Arent Machinery CO.	15815 SE 135th Ave	Emailed business about the CRWP spill prevention program. Called to follow up and talked with owner. Business has moved to Georgia.	Emailed website: Spill brochure and flyer
Aronson-Campbell Industrial Supply, Inc.	12820 SE Hwy 212	Emailed business about the CRWP spill prevention program. Called to follow up.	Emailed website: Spill brochure and flyer
Bunzl-Papercraft Distribution	13015 SE JENNIFER ST STE 3	Emailed business about the CRWP spill prevention program. Called to follow up.	Emailed website: Spill brochure and flyer
Cenveo	12760 SE Hwy 212	Emailed business about the CRWP spill prevention program. Called to follow up and LVM.	Emailed website: Spill brochure and flyer
Clackamas Auto Repair and Transmission	11773 SE Hwy 212 #101	Emailed business about the CRWP spill prevention program. Called to follow up.	Emailed website: Spill brochure and flyer
Clackamas Welding	12316 SE Capps Rd	Emailed business about the CRWP spill prevention program. Called to follow up.	Emailed website: Spill brochure and flyer
Clean Harbors Inc., Field Services	12402 SE Jennifer St #160	Emailed business about the CRWP spill prevention program. Called to follow up and LVM.	Emailed website: Spill brochure and flyer
Cornell Pump CO	16261 SE 130TH AVE	Emailed business about the CRWP spill prevention program. Called to follow up and LVM.	Emailed website: Spill brochure and flyer
Disdero Lumber Co	12301 SE Carpenter Dr	Emailed business about the CRWP spill prevention program. Called to follow up and resent email.	Emailed website: Spill brochure and flyer
Elting Northwest Inc.	780 82nd Dr.	Called and LVM about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Fastenal	12360 SE Hwy 212	Emailed about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
First Choice Auto Service Inc.	15679 SE 135TH AVE	Emailed about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
HAWE Hydraulik	12990 SE Hwy 212	Emailed about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Okada America	12950 SE Hwy 212, Bldg D	Emailed about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
P & A Metal Fab Inc	13009 SE Jennifer St #101	Emailed about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer

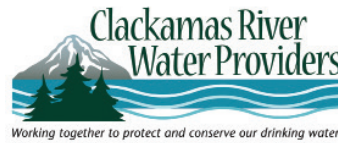
Pro Logis	13009 SE Jennifer St.	Emailed about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Restaurant Depot	12628 SE Jennifer St	Emailed about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
River City Glass	12432 SE Capps Rd	Emailed about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Romanoff Renovations	12700 Se HWY 212 Bldg C	Emailed about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Source Automotive	16805 SE 130th Ave	Emailed about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Supera	12330 SE Hwy 212	Emailed about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Trillium (Western US Service Center)	13011 SE Jennifer St. Suite 204	Emailed about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Wilbur Ellis CO	12530 SE Jennifer St	Emailed about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Wymore Transfer Co	12651 SE Capps Rd	Emailed about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer

Appendix C: Recommendation Reports on Next Page

Facility Site Visit Report

Agrinos 16007 SE 122nd Ave, Clackamas, OR 97015

November 7, 2019



PROJECT OVERVIEW

Clackamas River Water Providers has partnered with the PPRC to provide free technical assistance to businesses located in the Clackamas Industrial Area. On October 30, 2019 PPRC conducted a site visit at Agrinos with Bethany Thompson. The following recommendations are intended to help Agrinos reduce potential impacts to the Clackamas River, the drinking water source to over 300,000 people in Washington and Clackamas Counties.

RECOMMENDATIONS

☐ Consider Additional Spill Prevention.

Add secondary containment for IBC tote. Agrinos has spill containment for most drums onsite, except for one IBC tote. Add drive-over berms at bay doors to prevent spills from reaching the environment during loading / unloading.

<https://www.newpig.com/pig-drive-over-build-a-berm-barrier-straight-section/p/PLR283>

★ Clackamas River Water Providers is offering to purchase free spill containment materials. Your technical assistance provider can purchase appropriate tools and deliver to your business.



☐ **Prepare for Spills.** Place spill kits in highly visible areas where liquids are stored or transferred (one spill kit will be provided). Post provided spill response signs.

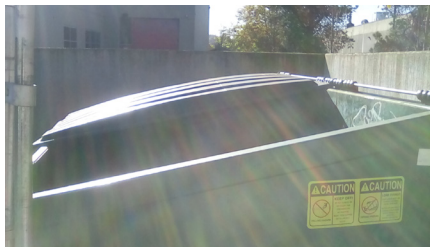
☐ **Train Staff.** CRWP has free training videos available on their website, which cover spill response and stormwater protection.

<http://www.clackamasproviders.org/training>



spill response sign

☐ **Store All Waste Under Cover.** To prevent stormwater contamination, store all waste under cover at all times. This includes: scrap metal, used tires, fluorescent bulbs, solid waste, and hazardous waste. Keep the lids on your solid waste dumpsters closed.



☐ **Mark Storm Drains.** PPRC will coordinate with your staff to install storm drain markers in the coming months.

☐ **Maintain Storm Drains.** Clean debris from storm drains and maintain your oil/water separators at least once a year to ensure proper function. Coordinate with the property owner and your neighbors to ensure storm drain maintenance. Clackamas County Water Environment Services (WES) Storm Drain Cleaning Assistance Program (SCAP) offers low-cost storm drain cleaning:

<https://www.clackamas.us/wes/swm.html#scap>



storm drain marker

☐ **Store Spill Mats.** Store spill mats near your bay doors to ensure spills do not reach the storm sewer system and Clackamas River. PPRC can provide spill mats.



PROGRAM CONTACTS

Kim Swan

Water Resource Manager
Clackamas River Water Providers
(503) 723-3510
kims@clackamasproviders.org



Nate Woodard

Environmental Outreach Specialist
NWoodard@pprc.org
206-352-2050 ext. 105



Brittney Wendell

Oregon Manager
BWendell@pprc.org
206-352-2050 ext. 106

RESOURCES

Metro Find a Recycler:

Database of regional recyclers and accepted materials
www.oregonmetro.gov/tools-living/garbage-and-recycling/find-a-recycler
503-234-3000

Oregon E-Cycles:

Free and environmentally responsible recycling program for computers, monitors, printers, peripherals and TV's.
www.deq.state.or.us/lq/ecycle/index.htm
1-888-532-9253

Recycle At Work:

Materials and resources for business recycling
Clackamas County
503-557-6363
wasteinfo@clackamas.us
www.recycleatwork.com

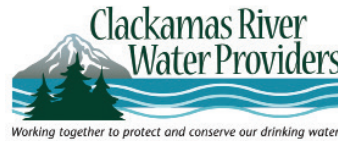
Energy Trust of Oregon:

Cash incentives for energy upgrades
Rob Hall
Rob.hall@icf.com
503-413-9168
www.energytrust.org

Facility Site Visit Report

Charlie's Produce 10755 SE Jennifer Street, Clackamas, OR 97015

January 23, 2020



PROJECT OVERVIEW

Clackamas River Water Providers have partnered with the PPRC to provide free technical assistance to businesses located in the Clackamas Industrial Area. On January 21, 2020 PPRC conducted a site visit at Charlie's Produce with Matt Jelinek. The following recommendations are intended to help Charlie's Produce reduce potential impacts to the Clackamas River, the drinking water source to over 300,000 people in Washington and Clackamas Counties.

RECOMMENDATIONS

☐ **Provide Containment.**

Add secondary containment and a roof for waste oil drums stored outside.



Clackamas River Water Providers is offering to purchase free spill containment materials. Your technical assistance provider can purchase appropriate tools and deliver to your business.



☐ **Store All Waste Under Cover.** To prevent stormwater contamination, store all waste under cover at all times. This includes: scrap metal, used tires, fluorescent bulbs, solid waste, and hazardous waste. Keep the lids on your solid waste dumpsters closed.



☐ **Mark Storm Drains.** PPRC will coordinate with your staff to install storm drain markers in the coming months.

☐ **Maintain Storm Drains and Catch Basins.** Clean debris from storm drains and maintain your oil/water separators at least once a year to ensure proper function. Coordinate with the property owner and your neighbors to ensure storm drain maintenance. Clackamas County Water Environment Services (WES) Storm Drain Cleaning Assistance Program (SCAP) offers low-cost storm drain cleaning:

<https://www.clackamas.us/wes/swm.html#scap>



☐ **Prepare for Spills.** Place spill kits in highly visible areas where liquids are stored or transferred (one spill kit will be provided). Post provided spill response signs.



spill response sign

☐ **Train Staff.** CRWP has free training videos available on their website, which cover spill response and stormwater protection.

<http://www.clackamasproviders.org/training>

PPRC is available to provide a training on ways your employees can help to protect the Clackamas River.

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Water Resource Manager
Clackamas River Water Providers
(503) 723-3510
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RESOURCES

Metro Find a Recycler:

Database of regional recyclers and accepted materials
www.oregonmetro.gov/tools-living/garbage-and-recycling/find-a-recycler
503-234-3000

Recycle At Work:

Materials and resources for business recycling
Clackamas County
503-557-6363
wasteinfo@clackamas.us
www.recycleatwork.com

Energy Trust of Oregon:

Cash incentives for energy upgrades
Rob Hall
Rob.hall@icf.com
503-413-9168
www.energytrust.org

Facility Site Visit Report

Clackamas Bakery 16253 SE 122nd Ave., Clackamas, OR 97015

November 4, 2019



PROJECT OVERVIEW

Clackamas River Water Providers has partnered with the PPRC to provide free technical assistance to businesses located in the Clackamas Industrial Area. On October 22, 2019 PPRC conducted a site visit at Clackamas Bakery with Beth Davis. The following recommendations are intended to help Clackamas Bakery reduce potential impacts to the Clackamas River, the drinking water source to over 300,000 people in Washington and Clackamas Counties.

RECOMMENDATIONS

☐ **Ensure outdoor vessels are sealed.**

Make sure outdoor chemical drums are sealed to prevent rainwater contamination. Make sure dumpsters are sealed on all sides to prevent leachate from mixing with stormwater.

★ Clackamas River Water Providers is offering to purchase free spill containment materials. Your technical assistance provider can purchase appropriate tools and deliver to your business.



☐ **Prepare for Spills.** Place spill kits in highly visible areas where liquids are stored or transferred (one spill kit will be provided). Post provided spill response signs.

☐ **Train Staff.** CRWP has free training videos available on their website, which cover spill response and stormwater protection.

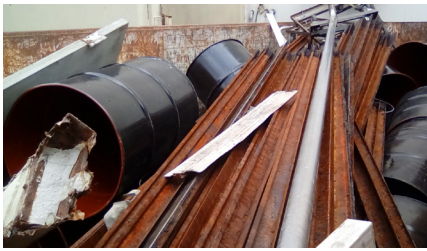
<http://www.clackamasproviders.org/training>

PPRC is available to provide a training on ways your employees can help to protect the Clackamas River.



spill response sign

❑ **Store All Waste Under Cover.** To prevent stormwater contamination, store all waste under cover at all times. This includes: scrap metal, used tires, fluorescent bulbs, solid waste, and hazardous waste. Keep the lids on your solid waste dumpsters closed.



❑ **Use Natural Controls to Manage Moss.**

- Use a stiff bristled brush or broom to remove moss
- Avoid pressure washing when possible
- Avoid powdered soaps during rainy season
- If using chemical controls, avoid zinc & copper

Treating moss with zinc and copper products creates runoff that is harmful to aquatic life. If using chemical controls, pick a safer product for people and the environment by visiting

www.growsmartgrowsafe.org



❑ **Mark Storm Drains.** PPRC will coordinate with your staff to install storm drain markers in the coming months.

❑ **Maintain Storm Drains.** Clean debris from storm drains and maintain your oil/water separators at least once a year to ensure proper function. Coordinate with the property owner and your neighbors to ensure storm drain maintenance. Clackamas County Water Environment Services (WES) Storm Drain Cleaning Assistance Program (SCAP) offers low-cost storm drain cleaning:

<https://www.clackamas.us/wes/swm.html#scap>



storm drain marker



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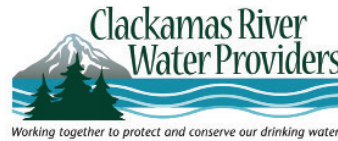
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503-413-9168
www.energytrust.org

Facility Site Visit Report

Dravon Medical Inc. 11465 SE Hwy. 212 Clackamas, OR 97015

January 14, 2020



PROJECT OVERVIEW

Clackamas River Water Providers have partnered with the PPRC to provide free technical assistance to businesses located in the Clackamas Industrial Area. On January 8, 2020 PPRC conducted a site visit at Dravon Medical Inc. with Del Calkins. The following recommendations are intended to help Dravon Medical Inc. reduce potential impacts to the Clackamas River, the drinking water source to over 300,000 people in Washington and Clackamas Counties.

RECOMMENDATIONS

☐ **Prepare for Spills.** Place spill kits in delivery areas where liquids are stored or transferred (one spill kit will be provided). Post provided spill response signs.

☐ **Train Staff.** CRWP has free training videos available on their website, which cover spill response and stormwater protection.

<http://www.clackamasproviders.org/training>

PPRC is available to provide a training on ways your employees can help to protect the Clackamas River.

☐ **Riverhealth Stewardship.** Consider restoring the stream that runs through your property to help improve water quality in the Clackamas River. RiverHealth Stewardship Grants provide up to \$30,000 for projects which improve watershed health (example: installing a parking lot swale or rain garden). For more information, visit: www.clackamas.us/wes/watershedhealth.html



spill response sign



☐ **Store All Waste Under Cover.** To prevent stormwater contamination, store all waste under cover at all times. This includes: scrap metal, used tires, fluorescent bulbs, solid waste, and hazardous waste. Keep the lids on your solid waste dumpsters closed.



☐ **Mark Storm Drains.** PPRC will coordinate with your staff to install storm drain markers in the coming months.

☐ **Maintain Storm Drains.** Clean debris from storm drains and maintain your oil/water separators at least once a year to ensure proper function. Coordinate with the property owner and your neighbors to ensure storm drain maintenance. Clackamas County Water Environment Services (WES) Storm Drain Cleaning Assistance Program (SCAP) offers low-cost storm drain cleaning:

<https://www.clackamas.us/wes/swm.html#scap>

☐ **Storm Water Drainage Systems.** Stop dumping mop buckets into parking lot drains. Use indoor sinks or toilets that drain to sanitary sewer. If you have additional questions regarding sewer or storm drains on your property, contact Clackamas County Water Environment Services.



PROGRAM CONTACTS

Kim Swan

Water Resource Manager
Clackamas River Water Providers
(503) 723-3510
kims@clackamasproviders.org



John Nagy

Clackamas County
Water Environment Services
Technical Services Specialist
JohnNagy@co.clackamas.or.us
503-742-4594



Nate Woodard

Environmental Outreach Specialist
NWoodard@pprc.org
206-352-2050 ext. 105



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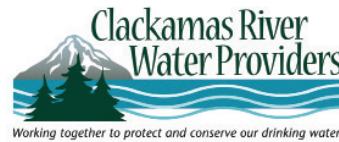
Energy Trust of Oregon:

Cash incentives for energy upgrades
Rob Hall
Rob.hall@icf.com
503-413-9168
www.energytrust.org

Facility Site Visit Report

Enviro-Pak 15450 S.E. For-Mor Ct., Clackamas, OR 97015

October 17, 2019



PROJECT OVERVIEW

Clackamas River Water Providers has partnered with the PPRC to provide free technical assistance to businesses located in the Clackamas Industrial Area. On October 10, 2019 PPRC conducted a site visit at Enviro-Pak with Terri Calcagno. The following recommendations are intended to help Enviro-Pak reduce potential impacts to the Clackamas River, the drinking water source to over 300,000 people in Washington and Clackamas Counties.

RECOMMENDATIONS

☐ **Provide Containment.**

Recommend storing your 55 gal oven degreaser drums inside and on spill pallets.

★ Clackamas River Water Providers is offering to purchase free spill containment materials. Your technical assistance provider can purchase appropriate tools and deliver to your business.



☐ **Prepare for Spills.** Place spill kits in highly visible areas where liquids are stored or transferred (*one spill kit will be provided*). Post provided spill response signs.

☐ **Train Staff.** CRWP has free training videos available on their website, which cover spill response and stormwater protection.

<http://www.clackamasproviders.org/training>

PPRC is available to provide a training on ways your employees can help to protect the Clackamas River.



spill response sign

❑ **Store All Waste Under Cover.** To prevent stormwater contamination, store all waste under cover at all times. This includes: scrap metal, used tires, fluorescent bulbs, solid waste, and hazardous waste. Keep the lids on your solid waste dumpsters closed.



❑ **Properly Manage Hazardous Waste.** Properly dispose of the old paint cans behind your shop. The EPA, OSHA, and Department of Transportation require hazardous waste to be properly labeled while onsite and during transportation.

<https://www.osha.gov/Publications/OSHA3636.pdf>



❑ **Mark Storm Drains.** PPRC will coordinate with your staff to install storm drain markers in the coming months.

❑ **Maintain Storm Drains.** Clean debris from storm drains and maintain your oil/water separators at least once a year to ensure proper function. Coordinate with the property owner and your neighbors to ensure storm drain maintenance. Clackamas County Water Environment Services (WES) Storm Drain Cleaning Assistance Program (SCAP) offers low-cost storm drain cleaning:

<https://www.clackamas.us/wes/swm.html#scap>



storm drain marker



PROGRAM CONTACTS

Kim Swan

Water Resource Manager
Clackamas River Water Providers
(503) 723-3510
kims@clackamasproviders.org



Nate Woodard

Environmental Outreach Specialist
NWoodard@pprc.org
206-352-2050 ext. 105



Brittney Wendell

Oregon Manager
BWendell@pprc.org
206-352-2050 ext. 106

RESOURCES

Metro Find a Recycler:

Database of regional recyclers and accepted materials
www.oregonmetro.gov/tools-living/garbage-and-recycling/find-a-recycler
503-234-3000

Oregon E-Cycles:

Free and environmentally responsible recycling program for computers, monitors, printers, peripherals and TV's.
www.deq.state.or.us/lq/ecycle/index.htm
1-888-532-9253

Recycle At Work:

Materials and resources for business recycling
Clackamas County
503-557-6363
wasteinfo@clackamas.us
www.recycleatwork.com

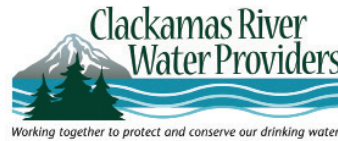
Energy Trust of Oregon:

Cash incentives for energy upgrades
Rob Hall
Rob.hall@icf.com
503-413-9168
www.energytrust.org

Facility Site Visit Report

Fuller Brothers Inc. 11507 SE Hwy. 212 Clackamas, OR 97015

January 14, 2020



PROJECT OVERVIEW

Clackamas River Water Providers have partnered with the PPRC to provide free technical assistance to businesses located in the Clackamas Industrial Area. On January 8, 2020 PPRC conducted a site visit at Fuller Brothers Inc. with Ted Walker. The following recommendations are intended to help Fuller Brothers Inc. reduce potential impacts to the Clackamas River, the drinking water source to over 300,000 people in Washington and Clackamas Counties.

RECOMMENDATIONS

☐ **Provide Containment.**

Add secondary containment for corrosive fluid drums stored near floor drain. Add drive-over berms at bay doors to prevent spills from reaching the environment during loading / unloading. Consider additional secondary containment for IBC totes stored near doors and drains.

<https://www.newpig.com/pig-drive-over-build-a-berm-barrier-straight-section/p/PLR283>

★ Clackamas River Water Providers is offering to purchase free spill containment materials. Your technical assistance provider can purchase appropriate tools and deliver to your business.



☐ **Store All Waste Under Cover.** To prevent stormwater contamination, store all waste under cover at all times. This includes: scrap metal, used tires, fluorescent bulbs, solid waste, and hazardous waste. Keep the lids on your solid waste dumpsters closed.



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☐ **Maintain Storm Drains.** Clean debris from storm drains and maintain your oil/water separators at least once a year to ensure proper function. Coordinate with the property owner and your neighbors to ensure storm drain maintenance. Clackamas County Water Environment Services (WES) Storm Drain Cleaning Assistance Program (SCAP) offers low-cost storm drain cleaning:

<https://www.clackamas.us/wes/swm.html#scap>

☐ **Identify Sewer and Storm Water Drainage Systems.** Work with Water Environmental Services to verify that all indoor drains lead to sanitary sewer. Clean up all spills immediately to ensure that spills do not reach floor drains.



☐ **Store Spill Mats.** Store spill mats near your bay doors to ensure spills do not reach the storm sewer system and Clackamas River. PPRC can provide spill mats.



❑ **Prepare for Spills.** Place spill kits in highly visible areas where liquids are stored or transferred (one spill kit will be provided). Post provided spill response signs.



spill response sign

❑ **Train Staff.** CRWP has free training videos available on their website, which cover spill response and stormwater protection.

<http://www.clackamasproviders.org/training>

PPRC is available to provide a training on ways your employees can help to protect the Clackamas River.

PROGRAM CONTACTS

Kim Swan

Water Resource Manager
Clackamas River Water Providers
(503) 723-3510
kims@clackamasproviders.org



John Nagy

Clackamas County
Water Environment Services
Technical Services Specialist
JohnNagy@co.clackamas.or.us
503-742-4594



Nate Woodard

Environmental Outreach Specialist
NWoodard@pprc.org
206-352-2050 ext. 105



Brittney Wendell

Oregon Manager
BWendell@pprc.org
206-352-2050 ext. 106

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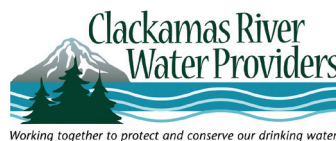
Energy Trust of Oregon:

Cash incentives for energy upgrades
Rob Hall
Rob.hall@icf.com
503-413-9168
www.energytrust.org

Facility Site Visit Report

Pacific Seafood 16797 SE 130th Ave, Clackamas, OR 97015

November 19, 2019



pacific northwest
POLLUTION PREVENTION
resource center



PROJECT OVERVIEW

Clackamas River Water Providers (CRWP) has partnered with the PPRC to provide free technical assistance to businesses located in the Clackamas Industrial Area. On **October 21, 2019** PPRC completed a voluntary facility site visit at **Pacific Seafood** with Amy Wentworth. The following recommendations are intended to help Pacific Seafood reduce potential impacts to the Clackamas River, the drinking water source to over 300,000 people in Washington and Clackamas Counties.

RECOMMENDATIONS

☐ **Move tote washing indoors.** CRWP has offered \$250 in financial assistance to go toward Pacific Seafood's proposed construction of an indoor seafood tote wash area. Please provide a project write-up and estimate provided by a contractor.

☐ **Train staff.** CRWP has free training videos available on their website, which cover spill response and stormwater protection.

www.clackamasproviders.org/training

PowerPoint Training: Clackamas Drinking Water Source Protection:

<https://bit.ly/37hh24J>

Additional information on the Clackamas Industrial Area:

www.clackamasproviders.org/hazardous-material-spill-prevention/

PPRC is available to provide a training on ways your employees can help protect the Clackamas River.

☐ **Follow local washing requirements.** State and local regulations prohibit the discharge of pollutants to the storm water system. This includes washing vehicles with soap and hot water. Businesses are permitted to wash up to eight (8) vehicles per week with cold water only. Ensure that all truck rinse water is staying onsite by washing over gravel lot with cold water only.

Recommend discussing wash water requirements with truck washing contractor. Clean Water Services has a fact sheet outlining Oregon DEQ's requirements:

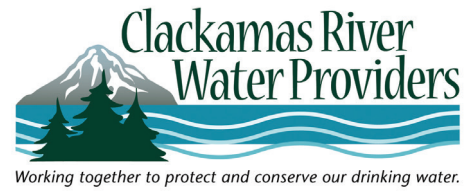
www.cleanwaterservices.org/media/2295/vehicle-equipment-wash-water.pdf



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Water Resource Manager
Clackamas River Water Providers
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Brittney Wendell

Oregon Manager
Pacific NW Pollution Prevention
Resource Center
Portland, Oregon
bwendell@pprc.org

