

Final Report

Clackamas River Water Providers FY 2020/21 Activities

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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 2020/21 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 2020/21.

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 eighty-seven (87) commercial and industrial facilities within the Clackamas River Watershed. See Appendix A for Outreach Map, and Appendix B for Summary of Business Interactions.
Provide technical assistance to ten (10) commercial and industrial businesses	PPRC provided technical assistance and recommendations reports to four (4) 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 B for Recommendations Reports). NOTE: Outreach success rate was reduced due to the COVID-19 pandemic, during which PPRC primarily performed phone and email outreach and offered virtual or distanced in-person assessments.
Design outreach materials and assist with the production and distribution of outreach materials	PPRC distributed the following materials to businesses: <ul style="list-style-type: none">• Spill Kits (11)• Spill Response Signs (19)• Storm Drain Markers (18)• Brochures (68); (45 printed copies, 23 via email)• Free Spill Prevention Tools Flyer (68); (45 printed copies, 23 via email)

Free Tools Purchased

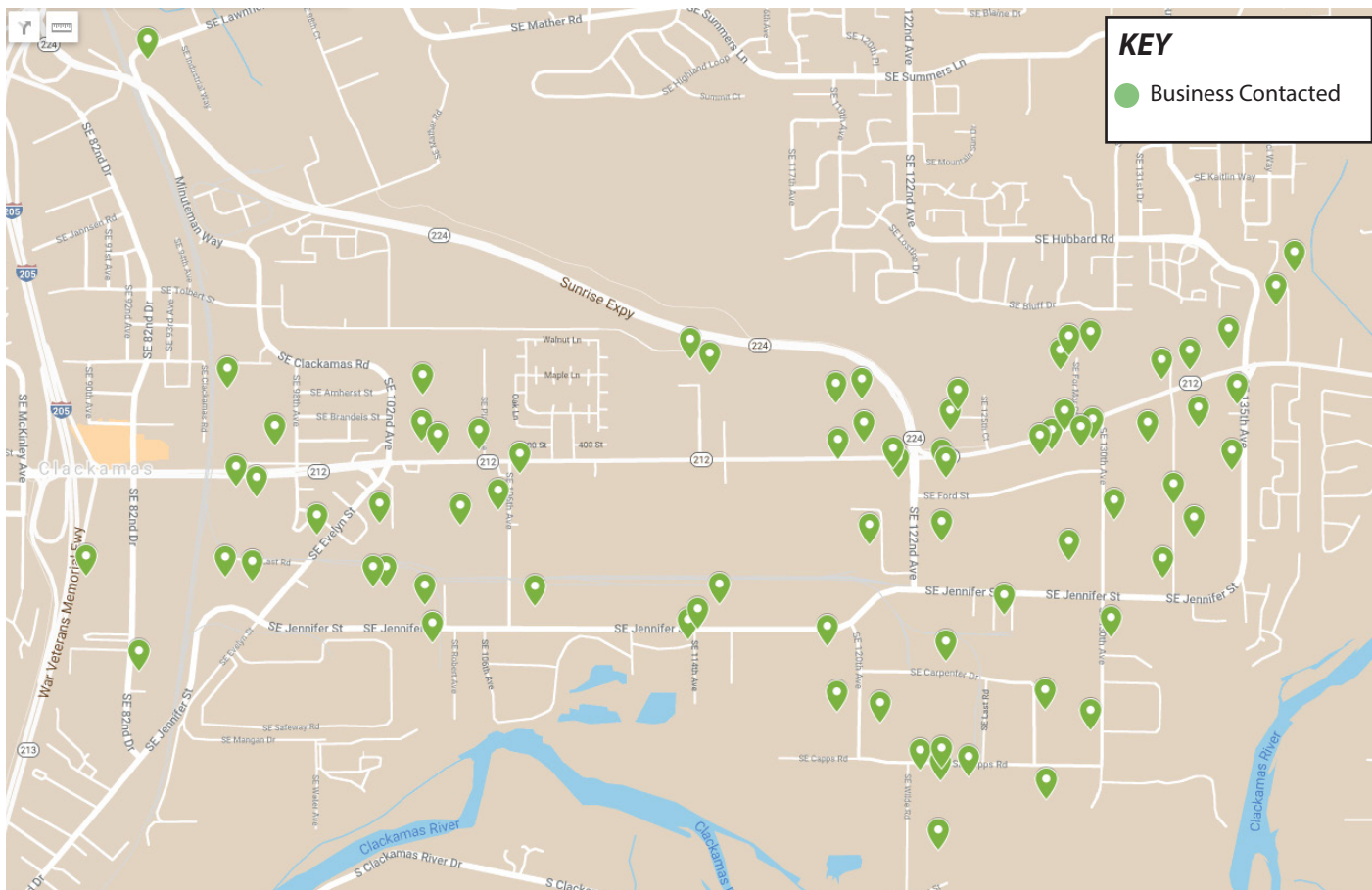
Business	Tools	Cost
DSU Peterbilt	<ul style="list-style-type: none"> Spill Berms IBC Spill Pallet (2) x 3-drum Spill Pallets 	\$2,496.84
Enviro-Pak	<ul style="list-style-type: none"> IBC Spill Pallet Single Drum Container 	\$3,300.23
P&A Metal Fab	See attached report	\$8,929.68
TOTAL		\$14,726.75

P2 Improvements

P2 Efforts	Improvement	# of People Reached
Secondary Containment	2,830 gallons of haz material prevented from release	
Spill Kits	11 spill kits at 4 businesses	
Spill Signs	19 spill signs at 6 businesses	
Storm Drains	18 storm drains marked at 4 businesses	
Eliminated Soap from Truck Wash	Approx. 96 truck washes with soap prevented per year	
Outreach*		95

*Outreach: PPRC engaged 87 businesses, 4 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. $4 \times 3 = 12 + (87 - 4) = 95$

Appendix A: PPRC Outreach Map



Appendix B: Summary of Business Interactions

Business	Address	Notes	Tools Delivered
DSU Peterbilt & GMC Inc.	16791 SE 120th Ave	Conducted a site inspection and delivered a report. Recommended covering outside metal recycling. DSU constructed an awning over metal recycling area. Recommended and purchased containment for 55-gallon drums of oil, antifreeze, and carwash chemicals, as well as 275-gallon IBC tote stored outside. Recommended additional assistance and certification through EcoBiz. PPRC provided spill kits and marked all storm drains.	Spill kit (2), Spill sign (2), Spill brochure and flyer, IBC spill pallet, Spill berms, 3-drum spill pallet (2), Stormdrain markers (2)
Enviro-Pak/Tech-Mark	15450 SE For Mor Ct	Conducted a site inspection and delivered a report. Followed up on recommendations delivered in 2019. Recommended and purchased an enclosed IBC spill pallet for 275-gallon IBC tank containing degreaser fluid as well as a spill tub for 55-gallon drum which holds washing fluid for gears. PPRC provided a spill kit and spill sign to post at outdoor storage area in the back and marked all drains on site.	Spill kit (1), Spill sign (1), Spill brochure and flyer, IBC spill pallet, 1-drum spill tub, Stormdrain markers (1)
Trillium (Western US Service Center)	13011 SE Jennifer St. Suite 204	Conducted a site inspection and delivered a report. Recommended providing secondary containment for 55-gallon drums of isopropyl alcohol and used oil, liter jugs of Teflon coating, and 5-gallon buckets of fluorinated lubricants. Spill pallets and trays were provided by PPRC and put into use at facility. PPRC provided updated spill plan, spill kits, and training materials for staff. PPRC marked all storm drains.	Spill kit (4), Spill sign (7), Spill brochure and flyer, 4-drum spill pallet, Spill tray (5), Stormdrain markers (4)
P & A Metal Fab Inc	13009 SE Jennifer St #101	Conducted a site inspection and delivered a report. Verified secondary containment for hazardous materials (lubricants and degreasers) and recommended marking storm drains, and providing regular spill response and stormwater protection training to staff. PPRC marked all storm drains and provided spill kits and training materials.	Spill kit (4), Spill sign (7), Spill brochure and flyer, IBC spill pallet (2), Spill pallet hard top, 4-drum spill pallet, 1-drum spill pallet (2), 2-drum spill pallet, Stormdrain cover, Spill berm, Spill control tubs (4), Stormdrain markers (11)
A-Temp Heating and Cooling	16000 SE Evelyn St	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
ABE Auto Battery & Electric	13273 SE Hwy 212	Emailed business about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
ABRA Auto Body & Glass (Caliber Collision)	16710 SE 82nd Dr	Emailed business about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer

Aloha Produce	16111 SE 98th Ave	Emailed business about the CRWP spill prevention program. Called to follow up. No hazardous materials on site.	
American Wood Dryers, INC.	15495 SE For Mor Ct	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Anixter Clackamas Hog Wild Toys	10145 SE Jennifer St	Emailed business about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Applied Industrial Technologies	13023 SE Jennifer St #502	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Aronson-Campbell Industrial Supply, Inc.	12820 SE Hwy 212	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Balfour Electric Company	16201 SE 98th Ave	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	
Celorie Brothers Dump Trucking	13585 SE 135th Ave	Emailed about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Cenveo	12760 SE Hwy 212	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
CertainTeed	34 SE 125th Ct	Called and emailed about the CRWP spill prevention program. Business moved to Portland, outside of program area.	
Charlie's Produce	10755 SE Jennifer St	Followed-up on previous recommendations report. Re-sent report and program information.	Spill brochure and flyer; emailed website
CHEP / Greatwide Logistic Services	11401 SE Jennifer St	Emailed business about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Clackacraft Drift Boats	13111 SE Hwy 212	Called and emailed about the CRWP spill prevention program. Business is receiving environmental TA from another organization.	Emailed website: Spill brochure and flyer
Clackamas County Fire District 1	16100 SE 130TH AVE	Emailed business about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Clackamas River Water	9100 SE Mangan Dr	Emailed business about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Clackamas Welding	12316 SE Capps Rd	Emailed business about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Collier Arbor Care / Bartlett Tree Experts	11814 SE Jennifer St.	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Compaction And Recycling Equipment, Inc.	12250 SE Capps Rd	Emailed business about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Concrete Sawing Company	16119 SE Evelyn St	Emailed business about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer

Consolidated Metco, Inc.	10448 SE Highway 212	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
CORNELL PUMP CO	16261 SE 130TH AVE	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Crystal Greens Landscape	11627 SE Capps Rd	Emailed business about the CRWP spill prevention program. New management. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Davis Trans Lite	13489 SE 135th Ave	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Disdero Lumber Co	12301 SE Carpenter Dr	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Elting Northwest INC	780 82nd Dr.	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Emmert Development	11811 SE Hwy 212	Emailed business about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Energy Comfort & Construction	15635 SE 114th Ave #110	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Fastenal	12360 SE Hwy 212	Emailed business about the CRWP spill prevention program.	
Fred Meyer Distribution Trucking	12108 SE HWY 212	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Fred Meyer Stores Inc	16301 SE 82ND DR	Called business about the CRWP spill prevention program.	
Fuji Produce	13011 SE Jennifer St. Ste. 206	Called business about the CRWP spill prevention program.	
General Sheet Metal Works	16345 SE Evelyn St	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer. Spoke with business' environmental consultant company who was interested in utilizing program funding. Will follow up next FY.	Spill brochure and flyer; emailed website
Get Bent!	10315 SE HWY 212	Emailed business about the CRWP spill prevention program.	
Glacier Northwest	11340 SE Jennifer St	Called business about the CRWP spill prevention program.	
Gladstone Machine Inc	15451 SE For Mor Ct	Emailed business about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Gordon Trucking	15628 SE 102ND AVE	Called business about the CRWP spill prevention program.	

HAWE Hydraulik	12990 SE Hwy 212	Emailed business about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Honest-1 Auto Care Clackamas	15653 SE 135th Ave.	Followed-up on previous recommendations report and EcoBiz. Will follow up next FY.	Spill brochure and flyer; emailed website
IITR Truck School	13605 SE Hwy 212	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Independent Welding Supply	15648 SE 114th Ave # 107	Called business about the CRWP spill prevention program.	
Interstate Meat Dist.	9550 SE LAST RD	Emailed business about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Jim Smith Excavating	17316 SE Wilde Rd	Emailed business about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
K & R Plumbing Construction CO	14463 SE 152ND DR	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
KB Recycling Clackamas	9602 SE Clackamas Rd	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Kellogg's Snacks	11350 SE Jennifer St.	Emailed business about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Knez Building Material Co.	12300 SE Knez Way	Emailed business about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Kroger Clackamas Bakery	16253 SE 122ND AVE	Called business about the CRWP spill prevention program.	
Les Schwab Tire Center	10602 SE Hwy 212	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Marks Metal Technology Inc	10300 SE Jennifer St	Called business about the CRWP spill prevention program.	
Maynard's Auto Repair Services Inc	10355 SE HWY 212	Called business about the CRWP spill prevention program.	
Montavilla Sheet Metal	16076 SE Evelyn St	Called business about the CRWP spill prevention program.	
Mutual Materials	16800 SE 130TH	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Nelson & Nelson Body & Paint	12128 SE HWY 212	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
ODOT	9200 SE LAWNFIELD RD	Called business about the CRWP spill prevention program.	
Okada America	12950 SE Hwy 212, Bldg D	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website

Performance Pump Co Inc	16036 SE Evelyn St	Called business about the CRWP spill prevention program.	
Pioneer Recycling Services	16810 SE 120th Ave	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Pro Logis	13009 SE Jennifer St.	Emailed business about the CRWP spill prevention program. They said they would encourage their renters to look at program information. Will follow up next FY.	Emailed website: Spill brochure and flyer
ProBuild	15877 SE 98th Ave	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Quality Sand Blasting	12805 SE Carpenter Dr #100	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Refinishing Touch Auto Body	16075 SE 106th Ave.	Called business about the CRWP spill prevention program.	
River City Glass	12432 SE Capps Rd	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Rob's Automotive Repair, Inc.	11955 OR-212	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Romanoff Renovations	12700 Se HWY 212 Bldg C	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
S A Piazza & Associates LLC	15815 SE Piazza Ave	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
S&T Truck Repair	13016 SE HWY 212	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure, flyer, and spill sign.	Spill brochure and flyer; Spill sign; emailed website
Safety-Kleen Systems, Inc.	16540 SE 130th Ave	Called and visited in-person multiple times. Delivered spill brochure, flyer, and spill sign.	Spill brochure and flyer; Spill sign; emailed website
Source Automotive	16805 SE 130th Avenue	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Stratford Gate Systems Inc	12318 SE Capps Rd	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Sunshine Dairy	16185 SE 98th Ave	Called business about the CRWP spill prevention program.	
Supera	12330 SE Hwy 212	Called business about the CRWP spill prevention program. Business will be relocating soon.	
Technik Auto	11853 se hwy 212 D3	Emailed business about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer

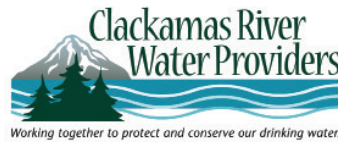
Tims Auto Repair	15688 SE 135th	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
TopTier Inc	10315 SE Jennifer St	Emailed business about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
United Site Service	12215 SE Hwy 212	Followed up on previous recommendations report. Will follow up next FY.	Spill brochure and flyer; emailed website
Universal Recycling Technologies	10151 SE Jennifer St	Emailed business about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer
Warn Industries	12900 SE Capps Rd	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Wilbur Ellis Co	12530 SE Jennifer St	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Wishart Welding	12670 SE Capps Rd	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
Wymore Transfer Co	12651 SE Capps Rd	Emailed business about the CRWP spill prevention program. Followed up in-person and delivered spill brochure and flyer.	Spill brochure and flyer; emailed website
XPO Logistics	12250 SE Ford St	Emailed business about the CRWP spill prevention program.	Emailed website: Spill brochure and flyer

Appendix C: Recommendation Reports on Next Page

Facility Site Visit Report

DSU Peterbilt & GMC Inc. 16791 SE 120th Ave. Clackamas, Oregon 97015

February 2nd, 2021



PROJECT OVERVIEW

Clackamas River Water Providers (CRWP) has partnered with PPRC to provide free technical assistance and tools to businesses located in the Clackamas Industrial Area. On **January 20th, 2021** PPRC completed a voluntary facility site visit at **DSU Peterbilt & GMC** with Roy Whitaker. The following recommendations are intended to help DSU reduce potential impacts to the Clackamas River, the drinking water source to over 300,000 people in Washington and Clackamas Counties.

RECOMMENDATIONS

★ Prevent and Prepare for Spills

PPRC recommends the following:

- Train staff to identify and respond to spills immediately. Review the "How to Use your Spill Kit" video with your staff:

<http://goo.gl/8Vomiu>

www.clackamasproviders.org/training

- Review and post a spill response plan (see attached for example). Plan should include the procedures for cleaning up various types of spills.

- Place spill kits in highly visible areas where liquids are stored or transferred. PPRC will provide 2 small spill kits.

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.

★ Store All Waste Under Cover

PPRC recommends that all waste, including used tires, scrap metal, and solid waste, be covered to prevent stormwater pollution. Temporary uncovered storage of these materials outside can lead to stormwater pollution.



spill response sign



★ Provide Secondary Containment

PPRC recommends that businesses provide secondary containment for tanks and drums 55 gallons and greater (Example: spill pallet, double walled tanks, containment berms), including:



- 275 gallon IBC tote outside
- 7 x 55 gallon oil and antifreeze drums inside shop area
- 6 x 55 gallon drums of cleaning chemicals in wash bay

★ Follow Local Requirements for Washing Vehicles

State and local regulations prohibit the discharge of pollutants to the storm water system. This includes washing vehicles with soap and hot water.



★ Hold Annual Meetings/Trainings Refreshers For All Employees

Provide training for employees on the following topics:

- Know where the Safety Data Sheets (SDS) from products used at your facility are located and how to use them.
- Proper hazardous material and waste storage.
- Hazardous waste management techniques.
- Spill prevention training: *Your facility is within the Clackamas River drinking water protection area.*

★ Assign an Employee to Conduct Monthly Audits

- Hazardous material storage
- Waste storage areas

★ Create a chemical inventory for your facility

Store next to central storage area for easy access and reference.

★ Install Storm Drain Markers

Drain markers remind employees and educate customers that site drains to a local waterway and spills can impact your drinking water. PPRC will provide free of charge when shop is ready for final certification.



storm drain marker

PROGRAM CONTACTS

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Facility Site Visit Report

Enviro-Pak/Tech-Mark 15450 SE For Mor Ct, Clackamas, OR 97015

June 23, 2021



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 June 23rd, 2021 PPRC conducted a site visit at Enviro-Pak. with Mike Martini. 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. Add secondary containment and a roof for the IBC tank of degreaser (275 gal) and the drum of washer fluid (55 gal) 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.

Train Staff. Hold annual trainings for staff on spill response, clean up procedures and proper handling. CRWP has free training videos and a training presentation available on their website, which cover spill response and stormwater protection: [Training Materials](#)

Spill Kits. Have spill kits placed in areas where you store or use liquid chemicals and have the corresponding kits to the substances you are using.

Post Spill Response Signs. Post in areas where liquids are stored and transferred.

Utilize Third-Party Certified Cleaning Products. I.e. EPA's [Safer Choice](#) Program

Label All Containers. Make sure all labels are legible and up to date annually. Outdoor drums of washer fluid and degreaser were observed without labels.



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pacific northwest
POLLUTION PREVENTION
resource center



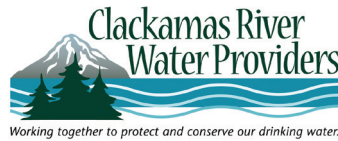
Michael Strauhal

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Facility Site Visit Report

Trillium US Inc 13011 SE 135th Ave #204, Clackamas, OR 97015

October 7, 2020



PROJECT OVERVIEW

Clackamas River Water Providers (CRWP) has partnered with the PPRC to provide free technical assistance and tools to businesses located in the Clackamas Industrial Area. On **September 22, 2020** PPRC completed a voluntary facility site visit at **Trillium** with Zerelda Beckstead and Jason Allen. The following is documentation of P&A Metal Fab's efforts to reduce potential impacts to the Clackamas River, the drinking water source to over 300,000 people in Washington and Clackamas Counties.

RECOMMENDATIONS

- Provide secondary containment.** Most liquids at Trillium have secondary containment in place. CRWP will provide one 4-drum spill pallet for IPA and / or used oil.



CRWP has containment trays available in the following (internal) dimensions:

- 36 x 36 x 4 $\frac{3}{4}$ "
- 12 x 48 x 4 $\frac{3}{4}$ "



If either of these trays will fit underneath Fomblin or Teflon storage areas, or other hazardous materials, CRWP will provide trays.



☐ **Mark storm drains.** PPRC installed four (4) storm drain markers to help educate employees and the public.

☐ **Post spill response signs.** PPRC provided four (4) signs to post in areas where liquids are stored and transferred.



storm drain marker



spill response sign

☐ **Prevent and prepare for spills.**

- Update spill response plan to include chemicals, spill kits, storm drains, and utilities. *PPRC can assist.*
- Place spill kits in all areas where liquids are stored or transferred. Each spill kit should have absorbent sock and pads. Optional items include garbage bags for disposal of material after use and PPE (gloves, safety glasses, etc).

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

[Training Videos](#)

[Training PowerPoint](#)

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.

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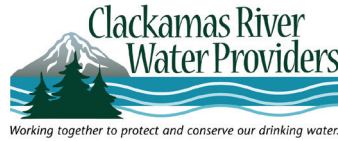
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Facility Site Visit Report

P & A Metal Fab 16300 SE 130th Ave, Clackamas, OR 97015

September 3, 2020



PROJECT OVERVIEW

Clackamas River Water Providers (CRWP) has partnered with the PPRC to provide free technical assistance and tools to businesses located in the Clackamas Industrial Area. On **August 18, 2020** PPRC completed a voluntary facility site visit at **P&A Metal Fab** with Wayne Arnold. The following is documentation of P&A Metal Fab's efforts to reduce potential impacts to the Clackamas River, the drinking water source to over 300,000 people in Washington and Clackamas Counties.

POLLUTION PREVENTION EFFORTS

Provide secondary containment. CRWP has offered to reimburse \$8,930 to cover the following items:

Order	Cost	
1	(1) 4-drum spill containment pallet, (2) 1-drum spill containment pallet, (1) 2-drum spill containment pallet	\$456.02
2	Ultratech drain cover with wall mount	\$368.74
3	2 x IBC tote spill pallets	\$2,198
4	Spill pallet hard top and cover	\$3414.45
5	Collapsible spill control berm	\$1,489.15
6	4 x spill control tubs for 55-gallon drums	\$1,003.32
TOTAL		\$8,929.68



1. Spill containment pallets



2. Ultratech drain cover with wall mount



3. IBC tote spill pallet



4. IBC tote hard top and cover



5. Collapsible spill control berm



6. Spill control tubs

Mark storm drains. PPRC installed eleven (11) storm drain markers to help educate employees and the public.



storm drain marker

ADDITIONAL RECOMMENDATIONS

Post spill response signs. PPRC provided four (4) signs and will deliver three (3) additional signs.

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

www.clackamasproviders.org/training

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.

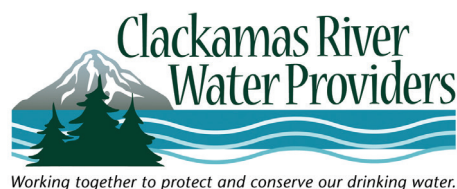


spill response sign

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