

# Solid Waste Facility License Application

## INSTRUCTIONS

1. Complete Parts 1 and 2 of application.
2. Verify information is accurate and application is complete.
3. Sign page 14 of application.
4. Include application fee payment
5. Submit application and payment to:  
Metro  
Solid Waste Compliance and Cleanup  
600 NE Grand Avenue  
Portland, OR 97232-2736  
Tel: (503) 797-1835  
Fax: (503) 813-7544  
[SWCC@oregonmetro.gov](mailto:SWCC@oregonmetro.gov)

**Metro use only**

**DATE RECEIVED: JUL 10 '18 RCVD**

**DATE DEEMED COMPLETE BY METRO:**

**AUG 2 '18 RCVD**

## PART 1 – Standard License Application Information

1. Type of Application (please check one)	
<input checked="" type="checkbox"/>	New license Date of Pre-Application Conference: <i>3/21/18</i>
<input type="checkbox"/>	Renewal of an existing license Solid Waste Facility License Number:
<input type="checkbox"/>	Change of authorization to an existing license (other than a renewal) Please describe the proposed change below in Section 3.
<input type="checkbox"/>	Transfer of ownership or control of an existing license

2. Type of facility (please check one)	
<input checked="" type="checkbox"/>	Non-putrescible (dry) waste material recovery facility
<input type="checkbox"/>	Source-separated food waste reload facility
<input type="checkbox"/>	Yard debris reload facility
<input type="checkbox"/>	Other solid waste reload facility
<input type="checkbox"/>	Yard debris composting facility

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3. If seeking a change of authorization to an existing license, please explain the proposed change below (attach additional pages if necessary). Complete all remaining sections of this form as they pertain to the request.

N/A

#### 4. Applicant (Licensee)

Facility Name:	Pioneer Recycling Clackamas MRF
Company Name:	Pioneer Recycling Services, LLC.
Street Address:	16810 SE 120 <sup>th</sup> Ave
City/State/Zip:	Clackamas, Oregon, 97015
Mailing Address:	same
City/State/Zip:	
Contact Person:	Dave Claugus
Phone Number:	916-205-3136
Fax Number:	N/A
E-mail Address:	daveclaugus@pioneerrs.com

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5. Applicant's Owner or Parent Company (provide information for all owners)	
Name:	Pioneer Recycling Services, LLC.
Mailing Address:	4109 192 <sup>nd</sup> St E
City/State/Zip:	Tacoma, WA,98446
Phone Number:	253-655-0291
Fax Number:	N/A
E-mail Address:	daveclaugus@pioneerrs.com

6. Site Operator (if different from Applicant)	
Company Name:	same
Contact Person:	
Street Address:	
Mailing Address:	
City/State/Zip:	
Phone Number:	
Fax Number:	
E-mail Address:	

7. Site Description			
Tax Lot(s):22E14B 03502	Section: 15	Township: 2S	Range: 2E

8. Land Use		
Present Land Use Zone:		
Is proposed use permitted outright?	<input checked="" type="checkbox"/> Yes If yes, attach a copy of the <i>Land Use Compatibility Statement</i> (see Attachment E).	<input type="checkbox"/> No
Is a conditional use permit necessary for the facility?	<input type="checkbox"/> Yes If yes, attach a copy of the <i>Conditional Use Permit</i>	<input checked="" type="checkbox"/> No
Are there any land use issues presently pending with the site?	<input type="checkbox"/> Yes If yes, please explain the land use issues below.	<input checked="" type="checkbox"/> No

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Description of the pending land use issues identified above:		
Are any permits required from the Oregon Department of Environmental Quality (DEQ)?	<input checked="" type="checkbox"/> Yes If yes, please list all DEQ permits below and attach copies with this application (see Attachment G).	<input type="checkbox"/> No
Listing of all required DEQ permits:	Stormwater	
Are any other local permits or building codes required?	<input type="checkbox"/> Yes If yes, please list all other required permits below and attach copies with this application (see Attachment H).	<input checked="" type="checkbox"/> No
Listing of other required permits:		

<b>9. Land Owner</b>		
Is the applicant the sole owner of the property on which the facility is located?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No If no, please complete this section with additional pages if necessary and attach a completed <i>Property Use Consent Form</i> (see Attachment F).
Property Owner:	Wymore Transfer Company, Inc.	
Mailing Address:	12651 SE Capps Road	
City/State/Zip:	Clackamas, Oregon, 97015	
Phone Number:	503-656-2693	

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10. Public/Commercial Operations		
Will the facility be open to the public (e.g., non-commercial self-haul customers)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Will the facility be open to non-affiliated commercial solid waste collectors?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Will the facility accept waste from outside the boundary of Metro?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

11. Operating Hours and Traffic Volume			
	Public (non-commercial self-haul)	Commercial Affiliated	Commercial Non-Affiliated
Operating Hours	N/A	N/A Operating	2:45 AM to 11 PM
Estimated Vehicles Per Day	N/A	N/A	70

12. Inbound Waste/Feedstock by Generator			
Identify the expected annual tonnage amount of waste/feedstock that the facility will receive and recover from the following types of generators.			
Generator	Tons Received	Tons Recovered	Tons Residual
Agricultural:	None	N/A	N/A
Commercial:	5,000 to 10,000	4,500 to 9,000	500 to 1,000
Industrial:			
Residential:	80,000 to 100,000	72,000 to 90,000	8,000 to 10,000
<b>TOTAL TONS:</b>	<b>85,000</b>	<b>76,500 to 99,000</b>	<b>8,500 to 11,000</b>

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### 13. Inbound Waste/Feedstock by Type

Identify the types of waste/feedstock and annual tonnage amounts of each that the applicant expects to receive at the facility. Also, identify how the applicant will manage each waste stream, the expected tip fees that the applicant will be post at the facility, and estimate of typical length of time required to process each waste stream (attach additional pages if necessary).

Waste/Feedstock Type	Accepted at Facility	Expected Annual Tonnage Amount	Type of Activity to be Performed on Waste	Expected Tip Fee (per Ton)	Estimate the maximum and typical lengths of time required to process each day's receipt of each waste/feedstock type
Source-Separated Wood:	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Source-Separated Yard Debris:	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Source-Separated Residential Food Waste Mixed with Yard Debris:	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Source-Separated Commercial and other Food Waste:	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Inerts (e.g., rock, concrete, etc.):	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Non-putrescible (dry) waste:	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Source-Separated Recyclables:	<input type="checkbox"/> Yes <input type="checkbox"/> No	85,000 to 110,000	Sorting & Baling	N/A	Avg. inventory turn is 3 days.
Special Wastes (please specify):	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Petroleum Contaminated Soil:	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Putrescible (wet) waste:	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Other Waste/Feedstocks (please specify):	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Other Waste/Feedstocks (please specify):	<input type="checkbox"/> Yes <input type="checkbox"/> No				

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## 14. Outbound Waste, Products, and By-Products

List the expected destination and amount of each type of outbound solid waste, products or by-products that the applicant expects to transport from the facility (attach additional pages if necessary).

Destination Site (Name and address)	Waste/Product/By-Product Type	Expected Annual Tonnage	Purpose of Delivery*
See attached spreadsheet			

\*For example: disposal, recovery, land reclamation, beneficial use, etc

## 15. Subcontractors

Provide the name, address and function of all subcontractors involved in the facility operations:

NAME	ADDRESS	FUNCTION
N/A		

## PART 2 – Standard Attachments to License Application (License application continued)

- Metro requires the following attachments (Attachments A– I) for new applications in order for Metro to deem a license application complete. The applicant must clearly label each attachment.
- Application submittals such as facility design, building plans, site plans and specifications must be prepared, as appropriate, by persons licensed in engineering, architecture, landscape design, traffic engineering, air quality control, and design of structures.

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- An applicant seeking to renew an existing license without substantive changes to the current authorization may defer to previously submitted documents if Metro has the most current version of all attachments (Attachments A- I) on file, unless otherwise directed by Metro staff. The date of the document on file with Metro is required for each deferred attachment. To confirm that Metro has current documentation on file, please contact Metro's Solid Waste Compliance & Cleanup Division at (503) 797-1835 or via email at [SWCC@oregonmetro.gov](mailto:SWCC@oregonmetro.gov).

## ATTACHMENT A: SITE PLAN

The applicant must submit a facility site plan that includes scaled maps and drawings showing the location of the facility at an appropriate scale, and no smaller than one inch equals 30 feet. Applicant must provide the following information on the site plan:

- (1) The location of the facility on a tax lot map.
- (2) Boundaries of the facility and property including all tax lots.
- (3) All buildings on the property (existing and proposed) and other pertinent information with respect to the operation of the facility, to include:
  - a) scale and scale house location
  - b) fencing and gates
  - c) access roads
  - d) paved areas
  - e) vegetative buffer zones and berms
  - f) sorting line and other major materials recovery equipment
- (4) All exterior stockpile footprints, material types stored outside, and the maximum height of each exterior material stockpile.
- (5) Identify water sources for fire suppression.
- (6) Identify on-site traffic flow patterns.
- (7) Facility signage. Facility signs must:
  - a) display all of the information required by Metro
  - b) be posted at all public entrances to the facility; and
  - c) conform with local government signage regulations.
- (8) All receiving, processing, reload and storage areas, as applicable, for solid waste, source-separated recyclable materials, yard debris, recovered materials, product/by-products, waste residuals, exterior stockpiles, hazardous waste, and other materials.
- (9) Load checking areas (as applicable).
- (10) Storage areas for the temporary containment of prohibited waste that the facility inadvertently receives, while awaiting proper removal or disposal of the prohibited waste. The facility must cover and enclose the containment areas and construct them in a manner to prevent leaking and contamination.
- (11) The location of all commercial and residential structures within a one mile radius of the facility, identified on a map or aerial photograph.

(12) The prevailing wind direction, by season, identified on a map or aerial photograph. (Compost facility only).

**FACILITY RENEWAL APPLICANTS ONLY:**

By checking this box, I certify that to the best of my knowledge, the Site Plan on file with Metro dated \_\_\_\_\_ is the most current and accurate version of this document.

**ATTACHMENT B: FACILITY DESIGN PLAN**

The applicant must submit a facility design plan that addresses the following:

(1) All solid waste facility license applicants must submit a written description of the following:

- a) Facility overview.
- b) Facility design and technology.
- c) Buildings and major equipment (existing and proposed).
- d) Construction timeline (as applicable).
- e) Types of wastes to be processed.
- f) Residuals management.

(2) A compost facility must submit a written description of the following (in addition to the items listed above in subsection 1):

- a) Feedstock receiving procedures.
- b) Feedstock pretreatment and contaminant removal procedures and equipment (as applicable).
- c) Feedstock processing details and methods. Dewatering and liquids management (as applicable).
- d) Pathogen reduction / control procedures (as applicable).
- e) Monitoring, quality control and testing.

(3) Dust, odor, airborne debris and litter.

- a) Submit a proposed design or existing design plan that identifies the location of all areas for load checking, receiving/tipping, mixing, processing, reloading, and storage for all materials.
  - o **Compost facility only:** Also, provide locations for compost/curing piles/windrows, aeration systems including bio-filters or enclosed structures to prevent odors from being detected offsite.
- b) Describe control measures to prevent odors, fugitive dust, airborne debris and litter. Describe how the facility design will provide for shrouding and dust prevention for the receiving area, processing area, storage area, reload area, and all waste processing equipment and all conveyor transfer points where dust is generated.

(4) Fire prevention.

Submit proof of compliance with local and state fire codes.

(5) Adequate vehicle accommodation.

Provide documentation to demonstrate that the facility will provide adequate on-site areas at the facility's entrance, scales, loading and unloading points and exit points to allow safe queuing off the public roads and right-of-way given the number and types of vehicles expected to use the facility during peak times.

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(6) Water contaminated by solid waste and solid waste leachate.

Submit a DEQ (or equivalent) approved plan with pollution control measures to protect surface and ground waters, including runoff collection and discharge and equipment cleaning and washdown water.

**FACILITY RENEWAL APPLICANTS ONLY:**

By checking this box, I certify that to the best of my knowledge, the Facility Design Plan on file with Metro dated \_\_\_\_\_ is the most current and accurate version of this document.

**ATTACHMENT C: OPERATING PLAN**

The applicant must submit an operating plan for review and approval by Metro. This section lists the procedures that the applicant must include in the required facility operating plan. The applicant must submit a proposed facility operating plan with the completed license application subject to any additional elements as required in the license - if one is approved and issued. The operating plan must include, at a minimum a detailed description of:

- (1) Types of solid wastes the facility will accept.
- (2) How the facility will further recycling or material recovery processing within the Metro region (as applicable). The description should address each of the following:
  - a) How you will distinguish and manage loads of incoming source-separated recyclables from other materials.
  - b) The steps you will take to recover materials from solid waste. Include the material recovery methods and equipment to be used on site (e.g. sorting lines, hand picking, magnets, etc.).
  - c) How you will manage the materials and wastes and the type of equipment that you will use (from delivery to reload and transport to a processing or disposal facility).
  - d) The general markets for the material recovered at the facility.
  - e) The methods you will use for measuring and keeping records of materials received, recovered from processing, and solid waste disposed - consistent with Metro's reporting requirements.
- (3) Procedures for inspecting loads including:
  - a) Procedures for inspecting incoming loads for the presence of prohibited or unauthorized wastes.
  - b) A set of objective criteria for accepting and rejecting loads.
  - c) An asbestos testing protocol for all material that appears as if it may contain asbestos.
- (4) Procedures for processing and storage of loads including:
  - a) Processing of all authorized solid wastes.
  - b) Reloading and transfer of authorized solid wastes.
  - c) Managing stockpiles.
  - d) Storing authorized solid wastes
  - e) Minimizing storage times and avoiding delay in processing and managing of all authorized solid wastes and recovered materials.

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- (5) Procedures for rejecting or managing prohibited wastes. The operating plan must describe procedures for rejecting, managing, reloading and transporting to an appropriate facility or disposal site any prohibited or unauthorized wastes discovered at the facility. The plan must include procedures for managing:
- a) Hazardous wastes.
  - b) Other prohibited solid wastes (e.g., putrescible (wet) waste, special waste, asbestos).
  - c) Procedures and methods for notifying generators not to place hazardous wastes or other prohibited wastes in drop boxes or other collection containers destined for the facility.
- (6) Procedures for odor prevention. The operating plan must establish procedures for preventing all objectionable odors from being detected off the premises of the facility. The plan must include:
- a) A management plan that the facility will use to monitor and manage all objectionable odors of any derivation including malodorous loads delivered to the facility.
  - b) Procedures for receiving and recording odor complaints, immediately investigating any odor complaints to determine the cause of odor emissions, and promptly remedying any odor problem at the facility.
- (7) Procedures for emergencies. The operating plan must describe procedures that the facility will follow in case of fire or other emergency.
- (8) Procedures for preventing and controlling nuisances, including noise, vectors, dust, litter, and odors. Include a description of how the facility will encourage delivery of waste in covered loads.
- (9) Procedures for fire prevention, protection, and control measures used at the facility.

### **FACILITY RENEWAL APPLICANTS ONLY:**

By checking this box, I certify that to the best of my knowledge, the Operating Plan on file with Metro dated \_\_\_\_\_ is the most current and accurate version of this document.

### **ATTACHMENT D: INSURANCE**

The applicant must submit proof of the following types of insurance, covering the applicant, its employees, and agents:

- (1) The most recently approved ISO (Insurance Services Office) Commercial General Liability policy, or its equivalent, written on an occurrence basis. The policy must include coverage for bodily injury, property damage, personal injury, death, contractual liability, premises and products/completed operations. All insurance coverage must be a minimum of \$1,000,000 per occurrence and \$1,000,000 aggregate.
- (2) Automobile bodily injury and property damage liability insurance must be a minimum of \$1,000,000 per occurrence and \$1,000,000 aggregate.
- (3) The insurance must name Metro, its elected officials, departments, employees, and agents as **ADDITIONAL INSURED**s on the Commercial General Liability and automobile insurance policies.
- (4) Certification of Workers' Compensation insurance including employer's liability. If the applicant or licensee has no employees and will perform the work without the assistance of others, you may attach a certificate to that effect in lieu of the certificate showing current Workers' Compensation.

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## **FACILITY RENEWAL APPLICANTS ONLY:**

By checking this box, I certify that to the best of my knowledge, the Insurance on file with Metro dated \_\_\_\_\_ is the most current and accurate version of this document.

## **ATTACHMENT E: LAND USE COMPATIBILITY STATEMENT (LUCS)**

The applicant must submit the following information:

A copy of a completed Metro LUCS or DEQ LUCS. The Metro LUCS is available at [www.oregonmetro.gov/solidwasteforms](http://www.oregonmetro.gov/solidwasteforms).

## **FACILITY RENEWAL APPLICANTS ONLY:**

By checking this box, I certify that to the best of my knowledge, the LUCS on file with Metro dated \_\_\_\_\_ is the most current and accurate version of this document.

## **ATTACHMENT F: PROPERTY USE CONSENT FORM**

The applicant must submit the following information:

If required in Part 1, section 9, of this application. The Property Use Consent Form is available at [www.oregonmetro.gov/solidwasteforms](http://www.oregonmetro.gov/solidwasteforms).

## **FACILITY RENEWAL APPLICANTS ONLY:**

By checking this box, I certify that to the best of my knowledge, the Property Use Consent Form on file with Metro dated \_\_\_\_\_ is the most current and accurate version of this document.

## **ATTACHMENT G: DEQ PERMIT APPLICATIONS AND INFORMATION**

The applicant must submit the following information:

A copy of all applications for necessary DEQ permits and any other information required by or submitted to DEQ, including closure plans, financial assurance for the costs of closure of the facility, and conditional use permit or land use compatibility statement, if applicable.

## **FACILITY RENEWAL APPLICANTS ONLY:**

By checking this box, I certify that to the best of my knowledge, the DEQ permit or applications on file with Metro dated \_\_\_\_\_ is the most current and accurate version of this document.

## **ATTACHMENT H: OTHER REQUIRED PERMITS**

The applicant must submit the following information:

A copy of any required permit, license or franchise that a governing body or agency (whether federal, state, county, city or other) has granted or issued to the applicant (not including materials required by Attachment G). If the governing body or agency has not yet issued the required permit, license or franchise, the applicant must provide a copy of the application it submitted. Metro may also request copies of correspondence pertaining to any required permit, license or franchise.

## **FACILITY RENEWAL APPLICANTS ONLY:**

By checking this box, I certify that to the best of my knowledge, all other required permits on file with Metro dated \_\_\_\_\_ are the most current and accurate version of these documents.

## ATTACHMENT I: CLOSURE PLAN AND FINANCIAL ASSURANCE

The applicant must submit the following information:

- (1) If DEQ requires a closure plan and financial assurance, the applicant must include copies of these documents with the application per Attachment G.
- (2) If DEQ does **not** require a closure plan for the facility, attach a closure document describing closure protocol and associated costs. Closure means those activities associated with restoring the site to its condition before the applicant engaged in the licensable activity. Closure may include, but is not limited to, removal of all on-site solid waste stockpiles accumulated after Metro issued a Metro Solid Waste Facility License. The closure plan is the written protocol that specifies the activities required to properly close the facility and cease further solid waste activities.
- (3) If DEQ does **not** require any financial assurance for the costs of closure of the facility, applicant must attach proof of financial assurance for the costs of closure of the facility. Cost of closure means the costs associated with restoring the site to its condition before the applicant engaged in the licensable activity.

These costs may include but are not limited to:

- a) The cost to load and transport accumulated solid waste stockpiles to an authorized disposal site or recycling facility;
- b) The cost to "tip" the waste at an authorized landfill or recycling facility; and
- c) Other related costs such as site grading or additional disposal costs associated with restoring the site.

Examples of acceptable forms of financial assurance include, but are not limited to, the following: surety bond, irrevocable letter of credit, closure insurance, escrow account.

If the DEQ does not issue a permit or require financial assurance, then Metro may waive the requirement for financial assurance if the applicant demonstrates that the cost to implement the closure plan will be less than \$10,000.

### **FACILITY RENEWAL APPLICANTS ONLY:**

By checking this box, I certify that to the best of my knowledge, the closure plan on file with Metro dated \_\_\_\_\_ is the most current and accurate version of this document.

## PUBLIC NOTICE AND CONFIDENTIAL INFORMATION

This application and all of the supporting documentation that the applicant provides is subject to Metro's public notice procedures. Metro will notify and provide the public with an opportunity to review and comment on the proposed application. The public notice may include, but is not limited to, posting the complete application on Metro's website.

The applicant may identify as confidential any reports, books, records, maps, plans, income tax returns, financial statements, contracts and other similar written materials of the applicant that are directly related to the proposed application and that are submitted to or reviewed by Metro.

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The applicant must prominently mark any information that it claims confidential with the mark "CONFIDENTIAL" before submitting the information to Metro. Subject to the limitations and requirements of ORS Chapter 192 (public records law) and other applicable laws, Metro will treat as confidential any information so marked and will make a good faith effort to not disclose that information unless Metro's refusal to disclose the information would be contrary to applicable Oregon law.

Within five days of Metro's receipt of a request for disclosure of information identified by the applicant (or licensee) as confidential, Metro will provide the applicant (or licensee) written notice of the request. The applicant (or licensee) will have three days within which time to respond in writing to the request before Metro determines, at its sole discretion, whether to disclose any requested information. The applicant (or licensee) must pay any costs incurred by Metro as a result of Metro's efforts to remove or redact any confidential information from documents that Metro produces in response to a public records request. These conditions do not limit the use of any information submitted to or reviewed by Metro for regulatory purposes or in any enforcement proceeding. In addition, Metro may share any confidential information with representatives of other governmental agencies provided that, consistent with Oregon law, those representatives agree to continue to treat the information as confidential and make good faith efforts to not disclose the information.

## APPLICANT CERTIFICATION

An authorized agent of the applicant must sign this application. Metro will not accept an application without a signature.

*I certify that the information contained in this application is true and correct to the best of my knowledge. I agree to notify Metro within 10 days of any change in the information submitted as a part of this application.*

SIGNATURE OF AUTHORIZED AGENT *Dave Clausus*  
TITLE *Vice - President*  
PRINT NAME *Dave Clausus*  
DATE *6/28/18* PHONE *916-205-3136*  
EMAIL *daveclausus@pioneer.rs.com*

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Pioneer Clackamas  
 Metro Outbound Info- Part1, Section 14

Destination	Grade	Expected Annual Tonnage	Purpose
Domestic & Export	Paper	62-71,000	Recovery
Domestic & Export	Plastic	4-5,000	Recovery
Domestic	Metal	3-4,000	Recovery
Domestic	Glass	3-4,000	Recovery
Domestic	Res Mix	5-15,000	Sorting & Recovery
Domestic	Trash	8-11,000	Landfill
Domestic	Total	85-110,000	

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### Attachment C- Operating Plan

1. Pioneer Recycling Clackamas will accept the following types of materials
  - a. Comingled Residential Source Separated Recyclables
  - b. Comingled Commercial Source Separated Recyclables
  - c. Source Separated Recyclables
  
2. Pioneer Recycling Clackamas will further recycling by:
  - a. Pioneer only accepts source separated recyclables. Each load received is weighed, classified by grade and sorted to produce quality material that can be sold as a raw material to manufacturers. Loads with unacceptable levels of contaminants are either rejected, warned and/or penalized financially.
  - b. Pioneer has two separate areas for the tipping of source separated recyclables in its facility.
    - i. Clean sorted material is tipped adjacent to a two ram baler in the middle of the plant. This material is then pushed onto a conveyor belt which conveys it to the baler for compacting and wire tying. Normally, no additional sorting is required for this material.
    - ii. Comingled material is tipped in a different area adjacent to the sort system feed hopper. Using a loader, the comingled material is scooped and dumped into the feed hopper which will gradually convey the material to the beginning of the sort system. The sort system uses mechanical screens, air suction, air knives, magnets, optical sorters, eddy currents and people sorters to separate the different material types present in comingled residential and commercial material into a variety of grades suitable for sale and use as a raw material for product manufacturing.
  - c. As the comingled materials are sorted by type while passing through the sort system, they are sorted in large bunkers which serve to both store and maintain the integrity of each material prior to baling. As the bunker nears its maximum storage capacity, it is emptied onto a conveyor which transports the material to one of two balers depending on the material

type. The formed bales are then transported by forklift to a finished goods storage area prior to transport to one of several truck docks where they are loaded onto to waiting truck trailers or export containers. Upon completion of the loading process, the trailer or container is weighed, recorded and driven to its destination by a third party hauler.

- d. Sorted recyclables are sold to both domestic and export buyers as a raw material for the production of new products. Residuals are baled and transported to local landfills for disposal.
- e. All materials either received at the plant or shipped from the plant are weighed both heavy and light on one or both of two 70' truck scales located on-site. All of the information required for the SWISS process is recorded by the scales and connected computer and server system. The computer system is backed up to the cloud at the end of each business day. Pioneer intends to write a customer report that will automatically gather and organize the required SWISS information for reporting to Metro.

3. Procedures for inspecting loads include:

- a. Pioneer accepts delivery of source separated recyclables from a limited number of regular commercial customers, all of whom have been informed of our quality expectations including acceptable materials in advance. This education insures that receipts of hazardous materials are very rare. No receipts are accepted from the general public.
- b. As the load is tipped on the floor, the loader operator will visually inspect it for the presence of both prohibited or unauthorized wastes
- c. Loads with hazardous waste are immediately rejected and returned if possible.
- d. Pioneer does not receive construction waste. No asbestos testing protocol has been necessary.

4. Procedures for processing and storage of loads

- a. All material storage of both raw and finished goods is done on an impervious surface of either concrete or asphalt

- b. Processing of all authorized solid waste is described in Section 2 of this attachment
- c. Pioneer will occasionally purchase already baled source separated material. These bales are stored in finished goods prior to shipment.
- d. Pioneer is both receiving and shipping material every business day. These efforts generally maintain stockpiles of both raw and finished goods within the walls of the facility's building with the exception of finished goods plastic and tin which are routinely stored outside in designated and paved areas of the fenced rear yard. Should a disruption with outbound shipments or a major disruption to sorting or baling equipment occur, outside storage of finished goods bales in primary overflow areas may be temporarily necessary. Should this occur, the plant will first utilize all primary storage areas inside the plant, and then store loose cardboard or baled materials outside in primary overflow areas. If all of the primary overflow area is full, the facility may choose to store both raw and finished goods in secondary storage areas for periods of less than 180 days. If both the primary and secondary storage areas are full, the facility will restrict or eliminate all deliveries as necessary until storage space is available. Secondary storage areas include any area inside or outside, within the fenced area of the rear yard where, in the opinion of management, material can be safely stored. Any baled paper material will be brought inside as rapidly as possible to prevent material degradation. Paper finished goods bales will be rotated to reduce exposure to the elements.
- e. Loose authorized solid waste (residual) is stored within the facility building prior to baling. After baling, this waste is stacked for storage in a designated finished good area within the building until shipment to a local landfill for disposal.
- f. The average inventory turn at Pioneer Clackamas is 3.25 days. Storage times are constantly managed with several tools including a PO allocation system to manage inbound volume, daily production and inventory reports which are reviewed by management and marketing, and the use of overtime to increase production or shipping when necessary.

## 5. Procedures for rejecting and managing prohibited wastes

- a. Medical waste- When needles are detected in any of the sort belts, the sort system is immediately halted. Trained, designated personnel will then collect the needles with tongs. They are then stored in sharps containers for storage in the designated storage area for disposal with a medical waste vendor.
  - b. Prohibited solid wastes- batteries, paint cans & other prohibited waste are collected and stored in the designated prohibited waste area prior to processing or proper removal.
  - c. As hazardous and prohibited wastes are discovered an attempt is made to identify the source. If this effort is successful, the supply customer is notified. Depending on the type of waste identified and the frequency of problems, the supply customers could be warned, fined financially, or excluded from future deliveries. Additionally, the facility posts a list of accepted items on its website.
  
6. Pioneer Clackamas does not normally generate odors because it only processes dry source separated recyclable material. Putrescible waste is not allowed. No chemicals are used and no chemical or biologic reaction occurs onsite. No odors are normally present to prevent or manage.
  - a. In the unlikely event odors were present, staff would identify the source of the odor, take immediate action to isolate and contain the offending material, and then properly dispose of it. Isolation and containment could occur by baling the material and storing the bales inside or by using a drop box to collect and haul the material for disposal.
  
7. Procedures for emergencies
  - a. Fire- See attached Fire Safety & Prevention Plan
  - b. Employee Injury- See attached plan
  - c. Other- Earthquake or flooding- See attached plan
  
8. Procedures for controlling nuisances

- a. Noise- Pioneer does not have a process for controlling noise. All processing is conducted within the confines of our building with the exceptions of some occasional forklift traffic outside and the dust control bag house. Only the East side of the building is open to the outside when machinery is operating. This feature of the building confines most of the noise generated inside the building.
- b. Vectors- Pioneer works with a pest control vendor to provide vector control. The vendor maintains and services a series of vector traps outside around all sides of the building. These traps are serviced once per month as convenient for the vendor. Additionally, Pioneer contracts with the vendor to provide and service interior traps and poison to eliminate any vectors present inside the building. This service is performed monthly on a weekend when no other activity is occurring.
- c. Litter- Pioneer has erected a 6' high chain link fence around the entire back yard area to both confine any loose materials and to provide security for items and equipment stored. Additionally, Pioneer operates a powered sweeper which sweeps and collects any loose debris at least once per day including the North scale driveway. The parking lot area is swept as needed. Staff picks up any loose debris along the street once per day.
- d. Odors- N/A
- e. Dust- Pioneer operates two dust control systems within the building. The first is a vacuum system with suction vents over key dust generating screens within the system. Dust collected from this system is collected in a bag house and baled with other trash and disposed of at a local landfill. Shrouding has been installed around the primary paper screens. Additionally, Pioneer has installed a fogging fan which blows a fine mist of water over both the feed hopper and feed drum to collect dust generated in this area. This dust simply falls to the floor of the facility as the water molecules combine with airborne dust in the area.

## 9. Fire Prevention and Control Measures

- a. Pioneer maintains the following fire prevention measures

- i. Smoking tobacco is allowed only in a designated area which includes a butt disposal container.
  - ii. A two hour fire watch is maintained for any loose deliveries. This means at least two employees must be present for at least two hours after the last loose delivery. They must also inspect the tipping floor area before closing the facility.
  - iii. A Hot Work permit is required for any welding or torch cutting in all areas of the plant except a designated area for this activity. The permit includes notifying management, cleaning the surrounding area of combustible materials, arranging for an employee to watch the activity with fire extinguisher in hand and a four hour fire watch after ending the welding or cutting.
  - iv. Employee sorters attempt to pick out any identifiable batteries in the pre-sort area. Alkaline and lithium batteries removed from the incoming stream are stored in an enclosed steel container stationed in the hazardous waste area prior to proper disposal
- b. Pioneer maintains the following key fire control measures
- i. The entire building is protected with an automatic fire sprinkler system that is properly maintained and regularly checked. The system is monitored 24/7/365 by a monitoring vendor. Any activity in the system is immediately reported to management or the local fire department as appropriate.
  - ii. Hand held fire extinguishers are placed throughout the building for use in a fire emergency. The extinguishers are regularly checked and maintained by an extinguisher vendor. Employees are regularly trained on how to properly use the extinguishers.
  - iii. Misting sprinklers have been installed over the system feed drum which can be turned on for extinguishing a feed drum fire if identified early before the building sprinklers trip.

#### 10. Covered Loads

- a. All loads of source separated recyclables delivered to Pioneer must be covered. Signage is present to remind customers of this requirement.

11. Nuisance Complaints

- a. Any nuisance complaints are recorded in the attached Nuisance Complaint Log. Management is informed and will take action to remedy the complaint as appropriate. Any actions taken are recorded in the Log.

12. Unusual Occurrences

- a. Unusual occurrences including fire, major equipment breakdowns, accidents, emergencies and notice of violations are recorded in the attached Major Event Log. Metro will be called within 24 hours if a major fire, accident, notice of violation or significant incident occurs.

13. Closure Plans

- a. Short- Term Closure Plan- In the event of a major equipment failure or shipment disruption where all available safe material storage options were exhausted, Pioneer would close the Clackamas facility to additional receipts for a temporary period of time by implementing it's short term closure plan which includes
  - i. Providing as much notice as possible to supply customers of the temporary closure
  - ii. Providing notice to Metro within 24 hours
  - iii. Notifying employees of the temporary closure
  - iv. Working diligently to remedy the situation to re-open as quickly as possible.
- b. Long-Term Closure Plan- In the event Pioneer Clackamas would need to permanently close, Pioneer would implement its long term closure plan which includes:
  - i. Providing as much notice as possible to supply customers of the permanent closure
  - ii. Providing notice to Metro within 24 hours
  - iii. Notifying employees of the permanent closure

- iv. Sorting, baling and selling or disposing of all remaining recyclable materials
- v. Removing all equipment present at the facility
- vi. Filling the conveyor pits with cement and taking any other actions necessary to return the building to its original condition.
- vii. Paying employees, vendors and any other claimants any amounts owed.
- viii. Returning the keys to our landlord.
- ix. Thank all of our remaining employees for their extraordinary efforts.

# FIRE SAFETY & PREVENTION PLAN

Pioneer Recycling Services Fire Safety and Prevention Plan is designed to ensure that all reasonable steps are taken to preserve life and property from exposure to fire hazards. Under this plan, each facility is required to implement fire prevention plans in an effort to ensure employees and contractors working in our facilities are aware of potential fire hazards and respond appropriately in the event of a fire.

## PURPOSE

The purpose of the Fire Safety & Prevention Plan is to identify major workplace fire hazards, employee(s) who are responsible for the maintenance of fire protection equipment, employees who are designated as fire responders in the event of a fire, and identification of employees responsible for the control of fuel source hazards.

## PLAN REQUIREMENTS

A list of major workplace fire hazards and the proper handling, storage procedures, potential ignition sources, control procedures, and the type of fire protection equipment or systems which are present will be developed and reviewed on an annual basis.

The major fire hazards at this plant are typical of any recycled paper processing plant. These hazards include but are not limited to:

Paper	Mobile equipment (loaders, forklifts, skid steers)
Electrical boxes and power sources	Paint and related flammable chemicals
Maintenance Chemicals	Compressed Gas Cylinders
Hazardous Materials Storage areas	Paper Dust
Fuels (diesel, gasoline, propane, kerosene)	Oily and greasy rags
Friction	

## EMPLOYEE RESPONSIBILITIES

The Plant Manager is responsible for ensuring the maintenance of all fire system equipment.

The Plant Manager or his/her designee is responsible for controlling fuel source hazards.

The Plant Manager or his/her designee is responsible for conducting audits on fire system equipment.

## TRAINING

Employees shall be apprised of the fire hazards to which they are exposed through regular training programs, safety meetings and other means. Upon initial assignment, employees shall be informed about parts of this plan, which they need to know to protect themselves in the event of an emergency.

## CONTROLS

The Company has established many rules and procedures to control potential ignition sources and fuel source hazards. Some of these controls are as follows:

Fire Prevention Rules: These rules cover smoking, storage of flammable and combustible liquids, fueling of motor vehicles, exit doors, etc. (Appendix A)

Electrical Safety Rules: These rules cover electrical equipment, wiring, grounding, jump-starting and other considerations. Electrical Safety Rules are listed in Section 3: 3-5.

Hot Work Permit: A hot work permit is required for all welding, cutting, brazing and heating applications. Hot Work Permit Rules are listed in Section 8:3.

Equipment: This plant is equipped with fire extinguishers, 3 water hoses and an automated sprinkler system.

Housekeeping: Housekeeping rules are listed in Section 3-7.

Audits: Weekly fire suppression audits and inspections are conducted by PRS Managers, insurance companies, consultants and local fire authorities.

Training: The company provides training to all employees at the time of hire and annually.

## FIRE FIGHTING EQUIPMENT

1. All fire extinguishers must be clearly marked and securely mounted.
2. Keep access to fire hoses and fire extinguishers clear at all times. Never place an obstruction in front of any fire protection device.
3. Report the use of any fire fighting equipment to your supervisors. Do not hang a used fire extinguisher back on the hook.
4. Instruction in the use of fire extinguishers will be provided to employees.
5. Know where all fire extinguishers are located.
6. A diagram showing exits and fire extinguishers must be posted.
7. Fire extinguishers and sprinkler systems must be serviced every 12 months.
8. Fire extinguishers must be inspected weekly by Plant Manager or assigned employee.

## MAINTENANCE OF FIRE PREVENTION EQUIPMENT

All PRS Divisions are equipped with basic fire protection equipment depending on specific needs and local requirements. This equipment includes fire extinguishers, sprinkler systems and Class II standpipe and hose systems.

### **Weekly Fire Protection Inspection:**

Each week, the Plant Manager or his/her designee will conduct an inspection of the fire protection equipment and related systems. This person will also be responsible for controlling fuel source hazards. Inspection items/areas are listed below.

1. Each sprinkler system riser must be locked open and the static water pressure must be within the desired range. For dry pipe systems, the air pressure must be at an acceptable level.
2. The water supply valve for the fire hose(s) must be locked open.
3. All sprinkler heads must be in good condition and not obstructed. (Material must be stored at least 18 inches below sprinkler heads).
4. Hose reels must be clear and in good condition. Make sure the hose is arranged so it will not kink or tangle when pulled out.
5. Extinguishers should be in working order, fully charged and unobstructed. There should be no missing extinguishers.
6. Exit doors should be working properly and shall not be locked or obstructed. All emergency lighting must be operable.
7. Note whether a red tag permit is being used.

Each division will use a customized checklist for these inspections covering the above items and any other relevant items. The name of the person responsible for conducting this inspection shall be noted on the report.

## PERFORMANCE TEST

### SPRINKLER SYSTEM

Sprinkler system performance must be conducted annually by outside agencies. This includes dry pipe trip test. The sprinkler system is inspected and serviced annually by:

**Fire Systems West  
600 Southeast Maritime Ave  
Vancouver, WA 98661  
360-693-9906**

Water supply flow test will also be conducted periodically.

### FIRE HOSES

Fire hoses shall be examined annually for mildew, rot and other damage. If the hose is in doubtful condition, give it a hydrostatic pressure test. If damaged, or it fails the test, it should be replaced immediately.

The Production Manager, Crew Leader or Lead Operator is responsible for inspecting the fire hoses each week. This includes making sure the fire hoses are hung properly and that they are not obstructed in any way.

Periodic servicing and/or inspections of any fire prevention equipment may also be scheduled as deemed necessary by the Plant Manager.

## FIRE EXTINGUISHERS

The fire extinguishers are serviced once a year and as needed by:

**National Fire Fighter Corp**  
 3357 SE 21<sup>st</sup> Ave  
 Portland, OR 97202  
 503-232-6646

Fire Extinguisher Ratings:

CLASS	SYMBOL	TYPE OF FIRE	EXAMPLES	ABC DRY-CHEMICAL	BC DRY-CHEMICAL	DRY POWDER	WATER	FOAM	WET CHEMICAL	HALOGENATED	CARBON DIOXIDE
<b>A</b>		Common Combustibles	Wood, paper, cloth etc.	█	█	█	█	█	█	█	█
<b>B</b>		Flammable liquids and gases	Gasoline, propane and solvents	█	█	█	█	█	█	█	█
<b>C</b>		Live electrical equipment	Computers, fax machines <small>(see note!)</small>	█	█	█	█	█	█	█	█
<b>D</b>		Combustible metals	Magnesium, lithium, titanium	█	█	█	█	█	█	█	█
<b>K</b>		Cooking media	Cooking oils and fats	█	█	█	█	█	█	█	█

**NOTE:** Although ABC and BC Dry Chemical extinguishers can control a fire involving electronic equipment, the National Fire Code (NFPA 75-1999 edition), Section 6-3-2, specifically advises against dry-chemical extinguishers for fires involving computers or other delicate electronic equipment due to the potential damage from residues.

### Using a Fire Extinguisher

If you have been trained on the use of a fire extinguisher, remember the PASS acronym to use the extinguisher:

- **P** - Pull the safety pin at the top of the extinguisher
- **A** - Aim the nozzle, horn or hose at the base of the flames
- **S** - Squeeze the handle of the extinguisher
- **S** - Sweep the nozzle from side to side until the fire goes out

## IMPAIRMENTS

Fire protection impairment occurs when fire protective systems such as sprinklers, fire alarm, hose systems or supervisory equipment are shut off or otherwise take out of service completely or in part.

1. If the impairment is the result of an emergency, we must notify our property insurer as soon as possible. The Vice President Manager shall be responsible for making this notification. For planned impairments, the insurer should be notified at least 48 hours in advance.
2. The Plant Manager shall inform the public fire department and alarm service agency that the fire protection system is impaired.
3. A red tag permit will be issued for all impairments. The permit insures that precautions are taken to minimize danger and the system is restored as soon as possible. Attach the red tag to each shut valve or other impairment and keep a copy of the red tag in a visible place.
4. For planned impairments, allow only one impairment at a time.
5. Contractors are never allowed to impair a fire protection system without permission.
6. During impairments, cease hazardous operations such as cutting, welding and other hot work until protection is restored.
7. Prohibit smoking throughout the affected area.
8. Maintain continuous watchman cover during impairment period.

## **MAJOR FIRE**

Definition: A major fire is one which involves a large area, necessitates the evacuation of personnel, has the potential for rapid spread, or cause personal injury or significant property loss: a fire which cannot be controlled with fire extinguishers and requires fire department assistance: a fire involving combustible, flammable, or explosive materials: large electrical or equipment fires.

Actions to take in the event of a major fire:

1. Use an Air Horn to notify everyone in the facility of the fire
2. Inform a Supervisor immediately of where the fire is located & call 911;
3. The Supervisor will direct an immediate evacuation of the facility and perform a headcount to verify everyone evacuated the building;
4. No employee should ever attempt to fight a major fire.

## **MINOR FIRE**

Definition: A minor/incipient fire is one which can be controlled and contained with a fire extinguisher or fire hose within one or two minutes; one which does not involve any personal injury; one which has minimal or no potential for spread.

Examples: Wastebasket fire, simple forklift fire, grass fire.

Actions to take in the event of a minor fire:

If trained to respond to a minor fire:

1. Use an Air Horn to notify everyone in the facility of the fire
2. Inform a Supervisor immediately of where the fire is located & call 911;
3. The Supervisor will direct an immediate evacuation of the facility and perform a headcount to verify everyone evacuated the building;
4. Designated fire responders (people trained and certified in the use of fire extinguishers) will try to put out the fire using the appropriate fire extinguishers and/or water sprinkler system located above the drum feeder; water sprinkler turn on device is located next to the restrooms.
5. If the fire becomes too large and/or uncontrollable, cease fire-fighting efforts, and evacuate immediately;
6. Under no circumstances should an employee combat an interior structural fire or perform rescues inside of buildings or enclosed structures, which are involved in a fire station beyond the incipient stage. The fire hoses are installed for use by trained and certified personnel only
7. Call the fire department to notify them of the situation then ask them what actions to take, even if the fire has already been extinguished.

8. Any baled product that has been involved in a fire, no matter how minor or how quickly extinguished shall be removed from the building for at least 24 hours. Burrowing fires, particularly in paper products, can go unnoticed for a long time and re-ignite.

## Appendix A

### FIRE PREVENTION – GENERAL RULES

1. Smoking is not allowed inside any PRS building. Smoking may be permitted outside of a PRS building in a designated area. Make sure all smoking materials are placed in proper containment receptacles.
2. Keep all exits and aisles clear and visible at all times.
3. All exit doors must remain unlocked during hours of operation. Never lean materials against exit doors or block exit doors.
4. Do not operate, tamper with or remove portable fire extinguishers, except in an emergency, and in accordance with the Fire Prevention Plan. If a fire extinguisher is used, do not put it back on the hook. The extinguisher must be recharged. Contact the Production Manager to have the extinguisher recharged.
5. At the end of the day, mobile equipment should be parked away from combustibles.
6. Anyone using a torch, welder, grinder or other spark producing device must obtain a Hot Work Permit.
7. Do not stack bales or other materials within 18 inches of sprinkler heads.
8. Turn off appliances such as coffee makers and space heaters before leaving work.
9. Fuel motor vehicles, forklifts, wheel loaders, etc. only in designated areas with the engine off.
10. Flammable liquids (gasoline, diesel, solvents, etc.) must be stored in approved safety cans or approved non-flammable storage cabinets.
11. Oily rags must be stored in a covered metal container with a self-closing cover.
12. Keep flammable and combustible materials away from heat, sparks, or open flames.
13. When transferring flammable or combustible liquids, make sure containers are grounded and/or bonded to prevent static electricity from causing a spark.
14. Neat and clean work areas are not just for show – good housekeeping helps to prevent fires.
15. The company has established an Emergency Action Plan that includes procedures to follow in case of fire. For details, refer to the Emergency Action Plan section (Section 4).
16. A fire extinguisher must be mounted on each piece of mobile equipment.
17. Each mobile equipment operator must be trained in the proper use of fire extinguishers.
18. Fire watch for 2 hrs after the last loose material delivery.

# SEVERE WEATHER

## PURPOSE

To provide employees with information regarding places of shelter to be used in the event of severe weather.

## SCOPE

Applies to all PRS personnel and any Contractors on premises.

## RESPONSIBILITY

Plant Manager. Overall responsibility rests with the Plant Manager. The Division Management staff (Plant Manager, Production Manager, Crew Leader(s) and Lead Operators) will assure the emergency and contingency procedures have been developed and assigned. That includes identifying and training appropriate emergency response and voluntary personnel. The Plant Manager is responsible for providing guidance, allocating money for equipment, materials and provisions to adequately implement the procedure.

Supervisors. Evaluate and identify risks in areas of responsibility. It is the responsibility of each department/area Supervisor to inform their employees of the designated shelter to be used during severe weather.

Develop action plans and priority checklists for materials inventory and equipment to be protected in order to minimize loss in their area.

Follow action plans.

## DEFINITIONS

Watch – Conditions favor the event (thunderstorms, tornado, etc.) and are possibly near by.

Warning – Activity has been spotted on the weather radar. The event is considered imminent (within 30 minutes to one hour).

## **SEVERE WEATHER - CONTINUED**

### **PROCEDURES**

The Plant Manager or designee will monitor the severe weather as it occurs. Potential monitoring sources include: A battery powered radio, community emergency broadcast warning systems, internet service, television and visual observation.

The Plant Manager will initiate the appropriate procedures based on the type of emergency encountered. The Plant Manager will determine when the severe conditions are over and communicate a return-to-work message to the employees. As soon as possible after assuring that employees and property are not in danger, the Plant Manager shall follow the emergency notification procedure for the company.

### **MEETING PLACE**

If necessary, all personnel will assemble inside the building in the lunch room.

### **GENERAL RULES**

1. Do not go outdoors or remain out during severe weather unless it is necessary.
2. During thunderstorms, avoid use of or contact with electrical appliances, telephone, and plumbing fixtures.
3. Unplug all appliances, scale, computers, typewriters, copiers, fax machines, etc.
4. Secure objects which could blow around and cause damage or injury.
5. Bring equipment inside, such as Bobcats, Forklifts and Roll Offs.
6. The Plant Manager or his/her designee is responsible for bringing a flash light and a portable radio to the designated meeting place.
7. Once the weather subsides, contact the Vice President/COO to notify the condition of employees and building.

# SEVERE WEATHER: HURRICANE OR TORNADO PLAN

## PURPOSE

The PRS – Clackamas, OR facility has the potential to experience hurricanes and/or tornadoes. This plan is intended to provide guidance for preparing these disasters. It includes guidance regarding preparedness, activities during the event, and follow up activities.

Hurricanes are a hazard for facilities in or near coastal regions. Radar may provide several hours warning prior to a hurricane event. Division Managers may use this advance warning to shut down equipment, protect sensitive materials or equipment, and secure the facility. Typically, however, a facility will have little or no advance warning prior to a tornado.

Tornadoes are typically spawned by a thunderstorm, but may be the result of a hurricane. Although tornadoes can occur at any time of the year, March through August is referred to as tornado season in the US. Tornadoes are rated according to wind speed and the potential for damage using the Fujita-Pearson scale. By understanding the ratings, the Plant Manager can better determine the appropriate actions to be taken in the event of a tornado.

### Fujita-Pearson Tornado Scale

RATING	INTENSITY (miles per hour)	EFFECT
F-0	40-72 mph	Chimney damage, tree branches broken.
F-1	73-112 mph	Mobile homes pushed off foundation or overturned.
F-2	113-157 mph	Considerable damage, mobile homes demolished, trees uprooted.
F-3	158-205 mph	Roofs and walls torn down, trains overturned, cars thrown.
F-4	207-260 mph	Well-constructed walls leveled.
F-5	261-318 mph	Homes lifted off foundation and carried considerable distance, autos thrown as far as 100 meters.

Many of the problems and issues are the same for hurricanes and tornadoes. Follow up activities for these types of events are very similar as well.

## PREPAREDNESS

### Training:

Training is provided to all employees via training sessions, posters, written communications, etc.

### Housekeeping:

Keep trees and shrubs that can damage electrical facilities or fences pruned. Loose materials are discarded or stored in adequate receptacles. Keep storm water drains clean and free of debris.

### Evaluate Potential Issues:

Contact the local emergency management office, local National Weather Service office, or American Red Cross chapter to learn about hurricane and tornado risks in the area.

### Emergency Supplies:

All plants should have appropriate emergency supplies on hand. Supplies should include:

- Well-stocked first aid kit
- PPE (hardhats, goggles, safety glasses, gloves)
- Plywood sufficient to cover window openings in production department
- 4-mil poly or vinyl (for emergency covering machines)
- Two large rolls of fiberglass or duct tape
- Shovels
- Floor squeegees
- One drinking water container
- Supply of paper cups
- Water hose(s)
- Gasoline and oil in approved containers
- Extension cords
- Battery powered flashlights and lanterns
- Cleaning & sanitizing supplies to include towels, mops, brooms, sprayers.
- Air horn or other emergency signal that is independent of power supply

### Communications:

Identify communications options for internal communications (phone, intercom, radio, and runner) as well as external communication options such as (phone, cellular phone, local ham radio operators).

- Use a NOAA weather radio with a tone-alert feature to keep informed of Watches and Warnings in the area.
- Ensure that all employees are knowledgeable of the facility's warning system and designated tornado and/or hurricane hazards.
- All Managers and Supervisors have updated copies of the tornado contingency plan, understand it and provide training to subordinates.

Shelter:

Identify shelter within the building. Look for interior rooms with strong walls and short roof spans, such as offices and plant shops, with no, or few, windows or skylights. Perform practice drills to ensure employees are familiar with shelter locations.

For purposes of this plan the following areas are designated as potential safe relocation sites within each department:

Department	Area
• Plant Operations	Main Break Room
• Office Area	Conference Room or Copy Room
• Maintenance	Tool Crib or Main Break Room

Plan for Return to Service.

The Plant Manager will designate personnel to organize return-to-service efforts.

## PLAN OF ACTION – PRS Clackamas, OR

### **Actions to take before hurricane or tornado:**

1. Establish contact with best available weather reporting service to take advantage of early warning systems for hurricanes to make the important decisions before the city and the facility are affected.
2. Decide if the conditions warrant a shut down. If so, shut down the processes safely.
3. Identify a team of corporate, regional staff, or personnel from other facilities to assist in return-to-service efforts.
4. Prepare letter for each identified person. (No individual can clear road blocks without proper authorization.)
5. Confirm arrangements with corporate personnel, including who to contact after a storm passes.
6. Determine means and probable timing of transportation.
7. Inspect roof edging strips, gutter flashing, covering and drains. Check for weak doors and window latches or hardware or for insecure panel fastenings. Expedite repairs.
8. Protect vulnerable windows from flying debris.
9. Protect important records from wind, debris and rain.
  - a. Previous month's closing file and current file.
  - b. Petty cash box (es).
  - c. Current Bill of Landing, establish last BOL used.
  - d. Last checks used to establish cutoff for bank use.
  - e. Transaction forms, vendor books and log sheets.
10. Fill all trailers and containers. Consider moving them inside, if possible.
11. Bale all loose material and store inside if practical.
12. Anchor structures in the yard that can be moved by high winds, such as trailers, lumber or any loose yard salvage.
13. To help secure doors, place bales against them from inside building.

14. Warehouse mobile equipment should be spotted in separate areas to help avoid multiple damages. Bring trucks inside if possible otherwise move them away from trees and electrical lines.
15. Review flood checklist.
16. Distribute telephone numbers to all employees for post-storm contact.
17. Shut off non-emergency electrical power (scale, computers, etc.).

### **Tornado Watch**

Once a watch has been issued, listen to the weather radio, specified local radio or television stations for updated information.

Be alert to changing weather conditions. Watch for tornado danger signs. Weather clues that may warn of imminent danger include:

- Dark, often greenish sky (a phenomenon caused by hail) indicating a tornado may develop
- Wall cloud, an isolated lowering of the base of a thunderstorm
- Large hail. Tornadoes are spawned from thunderstorms and the most powerful thunderstorms produce large hail.
- Clouds of debris
- Funnel cloud
- Roaring noise

Tornadoes may occur near the trailing edge of a thunderstorm and be quite visible.

If it is determined that a tornado is approaching our facility, a member of management will notify employees by using the division specified emergency evacuation notification process (i.e. via air horn, Nextel, walkie-talkie, etc.) to go to their designated shelter areas.

### **Tornado Warning**

Listen to a battery-powered NOAA weather radio or regular radio for updated information.

Seek refuge in the designated safe area.

Stay away from windows.

Use arms and hands to protect the head and neck from falling or flying objects.

## **Hurricane Warning**

Typically, within five hours of a hurricane coming ashore, weather service reports will become specific and include projected direction of travel. From the time a tropical storm is reported as having a possibility of striking the area, the Plant Manager or other management personnel must monitor reporting services to keep track of the storm's path. Weather radios must be in each facility where hurricane events are likely.

Things to do in preparation for a hurricane or tornado:

1. Assume that all electric power and water pressure will be lost during the event.
2. Plan for return to service by ensuring that machines are not full of paper, plastic, aluminum, etc. at the time when the hurricane is predicted to hit, when there is potential for the power to go down.
3. If the available information indicates that a hurricane is likely to strike the facility, processing schedules should be set back and, if possible, attempts should be made to complete the days work prior to the hurricane's predicted arrival. Cancel deliveries of items.
4. Do not try to hold employees who wish to go home. Others may wish to stay. Organize those employees who decide to stay and instruct them as to what actions to take. Personnel remaining in the plant can minimize damage from severe rain that can be expected to follow a hurricane.
5. Move or cover materials that are near windows, skylights or fan openings if possible.
6. Tape plate glass doors and windows with fiberglass tape.
7. Locate and check emergency supplies.
8. Draw a large quantity of drinking water and place in sanitary containers.
9. If time permits, also draw some extra water for cleanup.
10. Before each employee leaves, give detailed instructions in the form of an assumed schedule depending on the severity of the storm. Assume there will be no telephone communication for days after the storm. Assume also that there will be at least some cleaning up to be done. Establish a time frame after the storm passes to begin clean up activities.
11. Check and close openings and valves on all tanks.
12. Fill gasoline tanks on vehicles.

### **Actions to take during a hurricane or tornado:**

1. Direct any personnel remaining in the plant to take shelter in identified areas
2. Turn off all power except lights.

### **Actions to take after a hurricane or tornado passes:**

1. Continue listening to local radio/TV stations or a NOAA weather radio for updated information and instructions.
2. Give first aid to any injured persons.
3. Assist any trapped persons.
4. Be alert to fallen power lines and broken gas lines. Report them to the utility company immediately.
5. Stay out of damaged buildings until an assessment (re: structural safety) is complete.
6. Be alert to potential fire hazards.
7. Assess damage to building structure, electrical system, storage tanks and vehicles. Take photos to document condition. The Plant Manager or other designated representative should communicate the extent of damage to PRS offices as soon as possible.
8. Take steps to protect the facility from any (additional) water damage. If emergency building repairs are needed, contact, early, a general contractor who is familiar with the facility.
9. Personally contact the power company, water department and disaster agencies to determine when utilities will be restored.
10. Find and reserve lodging rooms for PRS personnel that arrive to assist.
11. Resume operations once (1) all mechanical equipment is inspected and determined to be operable, (2) PRS Management is satisfied with sanitary conditions and (3) any required regulatory inspections are satisfied.

#### **NOTE:**

Qualified PRS Management personnel will (1) assist with checking of all production, equipment, building and mechanical equipment (2) assist insurance appraiser and contractor, (3) determine, with the Plant Manager, the need for contracting engineering personnel, structural engineer, etc., and (4) assist in emergency replacement of parts, machinery, etc.

Qualified PRS Management personnel will (1) recommend proper waste disposal, toilet facilities, pest control, etc., (2) assist production in supervision of clean up to insure that the facility is adequately and sufficiently cleaned and sanitized, (3) accompany regulatory inspectors, and (4) render an expert opinion on cleanliness and any questionable production resumes.

## SEVERE WEATHER: EARTHQUAKE PLAN

Natural disasters such as an earthquake often come without warning. In the event there is an earthquake, the following actions listed below should be taken.

### If You Are Inside:

1. Stay inside the building.
2. Take cover under a desk or strong table or in a doorway, or sit or stand against an inside wall.
3. Stay away from windows, glass, bookcases, and outside doors.
4. DO NOT USE ELEVATORS.
5. DO NOT USE TELEPHONES.
6. If the earthquake should be followed by fire, then follow procedures which are included in the Fire Section.
7. DO NOT light a cigarette or strike a match until gas lines are checked out.
8. DO NOT attempt to leave the building during a severe earthquake because of the hazards of downed power lines, falling debris from the building, etc.
9. DO NOT rush for the doors if in a crowded public place. Crouch and cover your head with your hands and arms.
10. Tune to local Emergency Broadcast Station on radio.

### If You Are Outside:

1. Get into an open area away from buildings and utility wires and trees.
2. Watch for falling glass, electrical wires, poles or other debris.
3. If driving, pull over to the side of the road and stop. Avoid overpasses and power lines. Stay inside the vehicle until the shaking has stopped. Call dispatch for further directions.

### After the quake:

1. Unless there is a life threatening emergency, do not attempt to use the telephone
2. Check for gas and water leaks, broken electrical wiring or sewage lines. If there is damage, turn the utility off at the source. Immediately report gas leaks to the utility company. Do not re-open gas valves until the utility company has checked the system. Check for downed power lines and warn others to stay away.
3. Check buildings for cracks and damage including the roof and foundation.
4. Do not use vehicles unless there is an emergency. Keep the streets clear for emergency vehicles.
5. Be prepared for after shocks.
6. Remain calm and lend a hand to others.

## SEVERE WEATHER: FLOOD PLAN

Flooding is commonly defined as the rise and overflow of a body of water that covers land not usually under water. Flooding may take place suddenly, as when a release of impounded water caused flash floods, or slowly, as bodies of water swell and spill over their banks.

1. The Plant Manager shall monitor the flood advisories issued by the National Weather Service (NOAA) and decided if the conditions warrant a shutdown. If so, shut down processes safely.
2. Update important back-up records and move them to a location not vulnerable to flooding.
3. Anchor yard items that can be moved by flood waters such as trailers and loose yard storage. Move stored materials inside if practical. Drain open tanks of flammable and combustible liquids.
4. Assemble the following supplies and equipment at a central, secure location:
  - Portable pumps and hoses
  - Lumber and nails
  - Sand bags
  - Mops and squeegees
  - Tarpaulins
  - Power and manual tools
  - Shovels and axe
5. Place sandbags at vulnerable building openings and around critical outdoor equipment. Divert water from areas such as holes in foundations and doorways.
6. Move important machinery and stock to higher elevations. If major equipment cannot be moved, coat vulnerable metal surfaces with grease.
7. Make sure above ground tanks are properly anchored to prevent floatation. Fill empty tanks with water or product and extend vent lines on active tanks above the anticipated maximum water level. Lash down portable containers of flammable or combustible liquids.
8. Shut off electrical power at the main disconnect when the building is in imminent damage of flooding.

# Flood Safety

## Introduction/Overview

When natural disasters like floods strike, the natural response is to dive in (literally, maybe) and work to bring relief to victims. And, of course, you do want to act quickly, but at the same time, responders need to be aware that in the aftermath of flooding many hazards await those who come to the rescue.

Response and cleanup workers in flooded areas encounter hazards ranging from drowning to contact with live electrical equipment to hazardous substances to snake bites. To ensure workers' safety, these hazards must be identified, evaluated, and controlled in a systematic manner.

## Applicable Regulations

OSHA does not have a regulation that applies directly to flood cleanups. However, many of its regulations would apply, depending on which hazards are present. For example, confined space, electrical, and hazardous substances regulations could all come into play.

In addition, OSHA may apply its "General Duty" clause to unsafe conditions related to flood cleanup. The General Duty clause, Section 5(a)(1) of the Occupational Safety and Health Act, requires an employer to furnish to its employees "employment and a place of employment which are free from recognized hazards that are causing or are likely to cause death or serious physical harm to employees ...."

The General Duty clause also requires employees to comply with occupational safety and health standards and all rules, regulations and orders issued under the OSH Act that are applicable to their own actions and conduct.

## Protection from Drowning

Employees working on, over, or near water that presents a drowning hazard (e.g., because of the flow rate, the depth, or the presence of rocks) must wear appropriate personal floatation devices (PFDs), approved by the U.S. Coast Guard. Use a wooden stick or pole to check flooded areas for pits, holes, and protruding objects before entering such areas on foot.

Small boats equipped with ring buoys may be needed to rescue stranded survivors. Take care not to overload such boats and to keep weight low for better stability. A tip-over could cause a further tragedy.

## Observe the Flooded Area before Entering

- Conduct a preliminary worksite inspection to verify stability before entering a flooded or formerly flooded building or before operating vehicles over roadways or surfaces.
- Report any obvious hazards (downed power lines, frayed electric wires, gas leaks or snakes) to appropriate authorities.

- Don't work in or around any flood-damaged building until it has been examined and certified as safe for work by a registered professional engineer or architect.
- Washouts, trenches, excavations, and gullies must be supported or their stability verified prior to worker entry.
  - All trenches should be supported (e.g., with a trench box).
  - If no support is available, the trench must be sloped at no less than a 45° angle for cohesive soil and angular gravel.
  - A 34° angle is required for granular soils including gravel, sand, and loamy sand, or submerged soil or soil from which water is freely seeping.

### **Exposure to Contaminated Water and/or Floodwaters**

Floodwaters can be contaminated with sewage and decaying animal and human remains. As a result, workers in such areas face the very serious hazard of exposure to bacterial, viral, and protozoal diseases.

- Avoid potentially contaminated water if possible, and limit the number of people in water discharge areas.
- Always wear watertight boots with a steel toe and insole, gloves, long pants, and safety gasses during cleanup operations.
  - Do NOT wear sneakers because they will not prevent punctures, bites, or crush injuries.
- Wear a hardhat if there is any danger of falling debris.
- Clean contaminated clothing, tools, and equipment regularly, using clean soap and water if possible—otherwise a solution of 1/4 cup of bleach to 1 gallon of water.

### **Practice Good Personal Hygiene**

- Ensure that cuts and bruises are protected from contact with contaminated water.
- Clean areas of the body that come in contact with contaminated water with soap and water. If clean water is not available, use an alternative such as hand sanitizer or sanitizing wipes.
- Ensure that good hygiene, especially hand washing, is practiced before eating, drinking, and smoking.

Major Incident Log

Major Event Log

Please record major fires, major equipment breakdowns, accidents \* emergencies in this log.

**Call Metro at 503-234-3000 to report each event within 24 hours**

Date

Event Description

Responses Taken









150 Beaver Creek Rd  
 Oregon City, OR 97045  
 503-655-8671

[Home](#)

[Help](#)

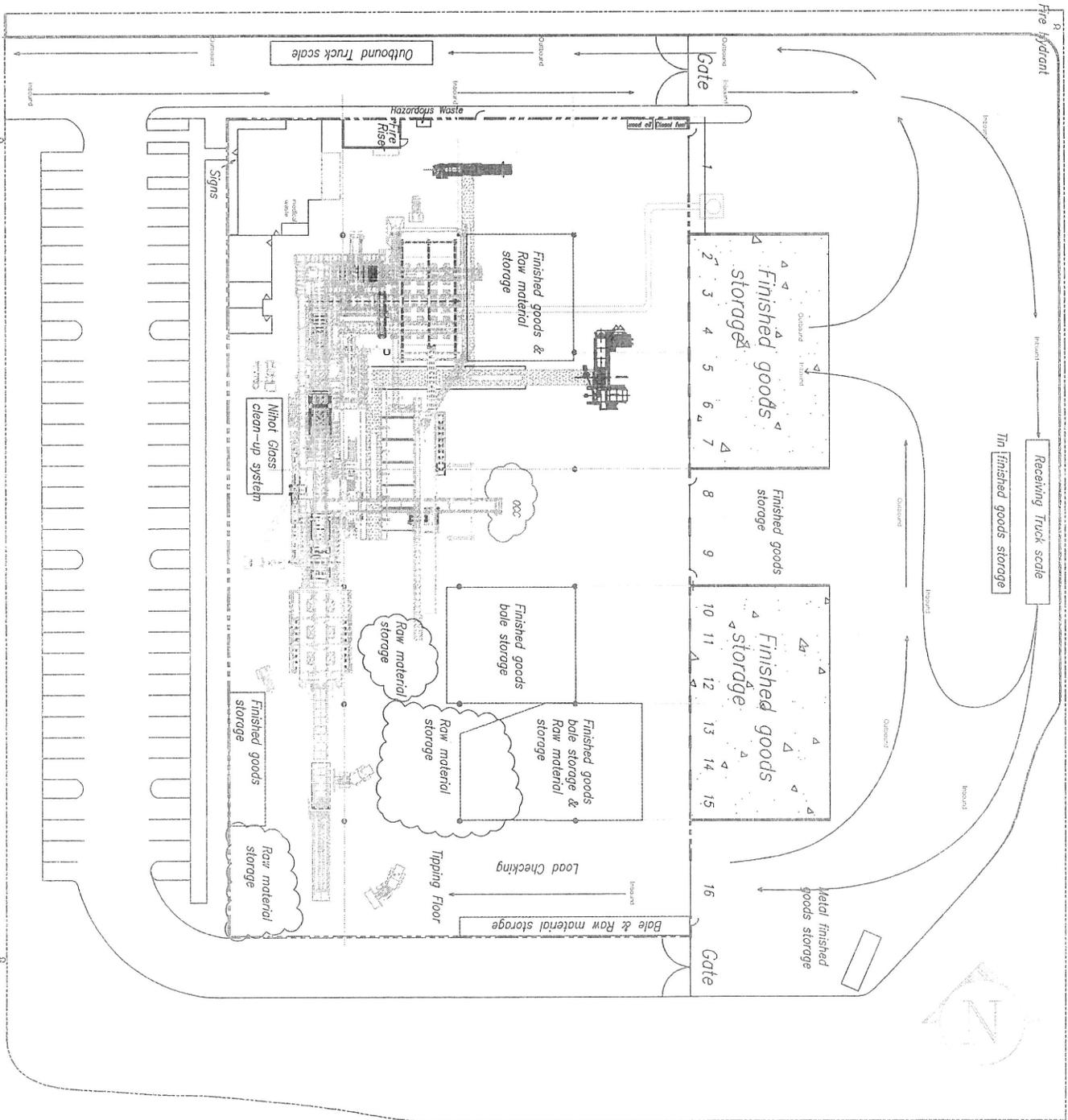
[Login](#) [Logoff](#)

[Property Search](#) > Search Results

**Results Message: 11 records returned from your search input.**

<b>Parcel Number</b>	<b>Location Address</b>
<a href="#">00485219</a>	16810 SE 120TH AVE, CLACKAMAS, OR 97015
<a href="#">05009451</a>	16810 SE 120TH AVE, CLACKAMAS, OR 97015
<a href="#">P0003085</a>	16810 SE 120TH AVE, CLACKAMAS, OR 97015
<a href="#">P0003166</a>	16810 SE 120TH AVE, CLACKAMAS, OR 97015
<a href="#">P0003521</a>	16810 SE 120TH AVE, CLACKAMAS, OR 97015
<a href="#">P0003557</a>	16810 SE 120TH AVE, CLACKAMAS, OR 97015
<a href="#">P0004520</a>	16810 SE 120TH AVE, CLACKAMAS, OR 97015
<a href="#">P0007306</a>	16810 SE 120TH AVE, CLACKAMAS, OR 97015
<a href="#">P0008094</a>	16810 SE 120TH AVE, CLACKAMAS, OR 97015
<a href="#">P0009120</a>	16810 SE 120TH AVE, CLACKAMAS, OR 97015
<a href="#">P2242357</a>	16810 SE 120TH AVE, CLACKAMAS, OR 97015

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S.E. 120TH AVE.

S.E. CAPPS ROAD

# Fire Systems West, Inc.

600 SE Maritime Avenue Suite 300 Vancouver, Washington 98661 Office 360. 693. 9906 / 503-235-4048 Fax 503-289-2208

CONTRACTORS LICENSE #FIRESWI140B1 WA ELECTRICAL LICENSE #FIRESWI055LW OR CONTRACTORS LICENSE #49732 OR ELECTRICAL LICENSE #37-655CLE

June 14<sup>th</sup>, 2018

Pioneer Recycling  
16810 SE 120<sup>th</sup> Ave  
Clackamas, OR 97015

Attention: Ambar Chevez  
Phone: (503) 204-7296  
Email:

Reference: Fire Sprinkler Systems at: Pioneer Recycling  
16810 SE 120<sup>th</sup> Ave  
Clackamas, OR 97015

We have completed the NFPA 25 inspection and test of your fire protection system at the above referenced location. A copy of the inspection is enclosed for your convenience.

While performing the inspection and testing, we found the following impairments and critical deficiencies that may hinder the system's capability of protecting your building and the following repair(s) should be considered to improve your system(s):

- None

While performing the inspection and testing, we found the following items that we recommend being performed to maintain the system up to NFPA 25 code requirements:

- Back flush of fire department connection if not done in last 5 years per NFPA 13.4.2.1 2011 Edition
- Piping from the fire department connection to the fire department check valve shall be hydrostatically tested once every 5 years per NFPA 25 13.7.4
- Backflow prevention assemblies shall inspected internally every 5 years per NFPA 25.13.6.1.4
- Perform forward flow of fire system backflow per NFPA 25 13.7.2.1 2017 Edition

During the inspection and testing, we performed the following corrections and repairs:

- None

If you have any questions or concerns, please feel free to contact us.

Sincerely,

FIRE SYSTEMS WEST, INC.

Phone: (360) 693-9906 Fax: (503) 289-2208

Rob Henderson – Inspections Department Manager, 360-314-3874 email – [robh@firesystemswest.com](mailto:robh@firesystemswest.com)

Chris Bray – Fire Sprinkler Department Service Coordinator, 360-314-3870 email – [chrisb@firesystemswest.com](mailto:chrisb@firesystemswest.com)

# Fire Systems West, Inc.

600 SE Maritime Avenue Suite 300 Vancouver, Washington 98661 Office 360. 693. 9906 / 503-235-4048 Fax 503-289-2208

WA CONTRACTORS LICENSE #FIRESWI140B1 WA ELECTRICAL LICENSE #FIRESWI055LW OR CONTRACTORS LICENSE #49732 OR ELECTRICAL LICENSE #37-655CLE

## Report of Inspection and Testing

Date of Inspection:	June 14 <sup>th</sup> , 2018
Inspector:	Nick Hartley
Report To:	Pioneer Recycling
Address:	16810 SE 120 <sup>th</sup> Ave Clackamas, OR 97015
Attention:	Ambar Chevez
Building & Location:	Pioneer Recycling – 16810 SE 120 <sup>th</sup> Ave Clackamas, OR 97015
Duplicated To:	Fire Dept.

### Type of System Being Inspected and Tested

<u>1</u> Wet Sprinkler	_____ Dry Standpipe	_____ Pre-Action
_____ Dry Sprinkler	_____ Fire Pump	_____ Hood & Duct System
_____ Wet Standpipe	_____ Tank	_____ Other: _____
_____ Combination Standpipe	<u>1</u> Anti-Freeze	

### Hazard Class of System

Light Ordinary .45 Extra

0-.10 light hazard, .10-.15 Ordinary 1, .15-.20 Ordinary 2, .20-.30 Extra Group 1, .30-.40 Extra Group 2

### Type of Inspection and Test

Annual  Semi-annual  Quarterly

SECTION A - GENERAL	YES	NO	N/A
1. How many stories in building?			1
2. Is the building totally or partially protected with a sprinkler system(s)?			Totally
3. Is the building occupied?	X		
4. Are all fire protection systems in service?	X		
5. Has the impairment coordinator for property been notified of system test? Name: _____	X		
6. Has the owner notified FSW of any occupancy classification or hazard change of contents since the last inspection?		X	
7. Has the owner notified FSW of any changes or repairs to the fire system since the last inspection?		X	
8. If a fire has occurred since the last inspection, have all damaged sprinkler components been replaced?			X
9. Information sign in place at system control riser?		X	
10. Is the sprinkler riser(s) in good condition and easily accessible?	X		
11. Are the hydraulic calculation placards on the risers?	X		

SECTION B - TANKS, FIRE PUMPS & FIRE DEPARTMENT CONNECTION	YES	NO	N/A
1. Do fire pumps, gravity, surface or pressure tank(s) appear to be in good external condition?			X
2. Are gravity, surface and pressure tanks at the proper pressure and/or water levels?			X
3. Are fire department connections visible and accessible?	X		
4. Are fire department connections in satisfactory condition, swivels/couplings undamaged and rotate smoothly, caps or plugs in place and check valve not leaking?	X		

SECTION C - SCHEDULED 5 YEAR INSPECTIONS		DATE	YES	NO	N/A
1.	System gauges calibrated to +/- 3% or replaced?	2012		X	
2.	Fire department connection check valve been inspected in the last 5 yrs per NFPA 25 13.4.2.1	04/13/2017	X		
3.	Fire department connection piping hydrostatically tested in the last 5yrs per NFPA 25 13.8.5	Unknown		X	
4.	Where is the fire department connection check valve located?			@Riser	
5.	Internal pipe assessment been performed in the last 5yrs per NFPA 25 14.2.1	04/13/2017	X		
6.	Fire backflow internally inspected in the last 5 years per NFPA 25 13.7.1.3	Unknown		X	
7.	Has sprinkler system been tested for Microbiological Influenced Corrosion (MIC)?	Unknown		X	
8.	System pressure reducing valves flow tested and comparable to previous results?				X
9.	Has sprinkler system check & alarm valves, strainers and filters been internally inspected?				X

SECTION D - VISIBLE PIPING (ANNUAL INSPECTION)		YES	NO	N/A
1.	There are no signs of external corrosion?	X		
2.	There are no external loads present?	X		
3.	Piping is free of mechanical damage and not leaking?	X		
4.	Piping appears to be properly aligned?	X		
5.	Visible pipe hangers and seismic braces appear to be in good condition and secure?	X		

SECTION E - SPRINKLERS (ANNUAL INSPECTION)		YES	NO	N/A
1.	Are all sprinklers free of leakage, corrosion, foreign material, physical damage or paint?	X		
2.	Sprinkler spray patterns appear free of unacceptable obstructions?	X		
3.	Does there appear to be proper clearance from top of all storage and sprinkler deflector? (18" minimum)	X		
4.	Do sprinklers appear to be properly oriented?	X		
5.	Is stock of spare sprinklers available of proper type and temperature? (minimum 6 heads)	X		
6.	Wrench available for each type of sprinkler?	X		
7.	Any Fast Response sprinkler heads 20 years or older? If yes, testing and/or replacement are required per NFPA 25 Manufacture date: <input type="text"/> Estimated qty: <input type="text"/>		X	
8.	Any Standard sprinkler heads 50 years or older? If yes, testing and/or replacement are required per NFPA 25 Manufacture date: <input type="text"/> Estimated qty: <input type="text"/>		X	
9.	Any Dry sprinkler heads 10 years or older? If yes, testing and/or replacement are required per NFPA 25 Manufacture date: <input type="text"/> Estimated qty: <input type="text"/>			X
10.	Any Extra High solder-type sprinkler heads exposed to semi or continuous maximum allowable ambient temps? If yes, testing required every 5yrs per NFPA 25 Mfr. date: <input type="text"/> Estimated qty: <input type="text"/>			X
11.	Any sprinkler heads subject to harsh environments including corrosive atmospheres and corrosive water? If yes, testing required every 5yrs per NFPA 25 Mfr. date: <input type="text"/> Estimated qty: <input type="text"/>		X	

SECTION F - SPRINKLER SYSTEM ALARMS		YES	NO	N/A
1.	Did water motor(s) and gong(s) test satisfactory?			X
2.	Did electric alarm(s) test satisfactory?	X		
3.	Signals test satisfactory (Tamper Switches)?	X		
4.	Did the central station receive all signals?	X		
5.	Are all signals restored and system back in service at job site?	X		
6.	Are all signals restored and system out of test status at monitoring station?	X		

SECTION G - WATERFLOW TEST RESULTS MADE DURING THIS INSPECTION				YES	NO	N/A
1. Do results of main drain test differ by more than 10% from the previous test? NFPA 25 13.2.5 2017 Edition					X	
2. Forward flow test of installed fire system backflow at designed flow rate performed? NFPA 25 13.2.5 2017 Edition					X	
Test Pipe Located	Size of Test Pipe	Static Pressure Before	Residual Flow Pressure	Static Pressure After		
Wet Rear	2"	85	66	83		
Wet Front	2"	85	67	80		

WATER SUPPLY				
	City:	Clackamas	N/A	Pressure Fire Pump & City
N/A		Gravity Tank -or- Pressure Tank	N/A	Pressure Fire Pump & Pond

SECTION H - CONTROL VALVES				YES	NO	N/A
1. Are all control valves easily accessible?				X		
2. Do all main control valves have indicating signs?				X		
3. Are all sprinkler system main control valves and other valves in the appropriate open or closed position?				X		

Control Valve	# Of Valves	Type	Secured?		If Yes, how? (Sealed)(Locked) (Supervised)	Supervision Operational?			Fire Systems West, Inc. Control Valve Seal Number
			Yes	No		Yes	No	N/A	
CITY CONNECTION	2	OS&Y	X		Locked			X	
SYSTEM	2	Wall PIV	X		L+S+S	X			0241046
SECTIONAL									
ALARM LINE									
FIRE PUMP									
JOCKEY PUMP									
TANK									

SECTION I - WET SYSTEMS				YES	NO	N/A
No. of systems:	2	Make and Model	8" Shotgun			
1. In areas protected by wet system(s), does the building appear to be properly heated in all areas, including blind attics and perimeter areas where accessible?				X		
2. Do all exterior openings appear to be protected against freezing?				X		

SECTION J - ANTIFREEZE SYSTEMS						YES	NO	N/A
No. of systems:	1	Type of antifreeze solution in system(s):	Glycol					
1. Antifreeze solution tested at its most remote portion and where it interfaces with wet pipe system?							X	
2. Information sign posted at antifreeze system with solution information and remote test location?							X	
Location of antifreeze system			Freezing pt temp.	Concentration %	Sprinkler Pipe Type	Diameter of pipe	Number of heads on system	
Back wall Feeds Inside Outdoor Dust Collector			-10*	41.1%	Steel	2"	Unknown	



### Additional Information Regarding the Fire Sprinkler System

Items listed below are not part of an NFPA 25 inspection and test and are outside of the scope of your agreement with Fire Systems West Inc. The identification of these items does not constitute a design review or engineering analysis of your system. Fire Systems West Inc. makes no guarantee or assurance that any or all design/engineering code compliance defects or deficiencies have been detected:

- None

If you have any questions or concerns, please feel free to contact us.

Sincerely,

*FIRE SYSTEMS WEST, INC.*

**Phone: (360) 693-9906 Fax: (503) 289-2208**

Rob Henderson – Inspections Department Manager, 360-314-3874 email – [robh@firesystemswest.com](mailto:robh@firesystemswest.com)

Chris Bray – Fire Sprinkler Department Service Coordinator, 360-314-3870 email – [chrisb@firesystemswest.com](mailto:chrisb@firesystemswest.com)

- FIRE  
 DOMESTIC  
 IRRIGATION

## BACKFLOW ASSEMBLY TEST REPORT

- NEW  
 EXISTING  
 REMOVED  
 REPLACEMENT

PROPERTY OWNER PIONEER RECYCLING PHONE (503) 204-7296  
 MAILING ADDRESS 16810 SE 120TH AVE  
 CITY CLACKAMAS STATE OR ZIP 97015  
 ASSEMBLY ADDRESS PIONEER RECYCLING - 16810 SE 120TH AVE CLACKAMAS, OR 97015

R.P.B.A    D.C.V.A    R.P.D.A    D.C.D.A    P.V.B.A    S.V.B.A    A.V.B    AIR GAP  
 SIZE 1 1/2" MAKE WATTS MODEL 009M2QT  
 WATER PURVEYOR CLACKAMAS SERIAL NUMBER 116147  
 ASSEMBLY LOCATION NE WALL ON WAREHOUSE ANIT-FREEZE LOOP

	REDUCED PRESSURE ASSEMBLY		P.V.B.A. / S.V.B.A		INITIAL TEST
		DOUBLE CHECK	AIR INLET	CHECK	
INITIAL TEST RESULTS	#1 CHECK PRESS DROP <u>7.8</u>	CHECK #1 TIGHT <input type="checkbox"/>	OPENED AT	PRESS DROP	PASSED <input checked="" type="checkbox"/>
	RELIEF VALVE OPENED AT <u>2.4</u>	LEAKED <input type="checkbox"/> PSID	PSID	PSID	FAILED <input type="checkbox"/>
	RELIEF VALVE	CHECK #2 TIGHT <input type="checkbox"/>	DID NOT OPEN <input type="checkbox"/>	FAILED <input type="checkbox"/>	DATE <u>06/14/2018</u>
	PASS <input checked="" type="checkbox"/> FAIL <input type="checkbox"/>	LEAKED <input type="checkbox"/> PSID			SYSTEM PSI <u>85</u>
COMMENTS REPAIRS AND/OR PARTS					
TEST AFTER REPAIRS	REDUCED PRESSURE ASSEMBLY		P.V.B.A. / S.V.B.A		INITIAL TEST
		DOUBLE CHECK	AIR INLET	CHECK	
	#1 CHECK PRESS DROP _____	CHECK #1 TIGHT <input type="checkbox"/> PSID	OPENED AT	PRESS DROP	PASSED <input type="checkbox"/>
	RELIEF VALVE OPENED AT _____	CHECK #2 TIGHT <input type="checkbox"/> PSID	PSID	PSID	DATE _____

IN COMPLETING AND SUBMITTING THIS TEST REPORT, THE TESTER CERTIFIES THAT THE ASSEMBLY HAS BEEN TESTED AND MAINTAINED IN ACCORDANCE WITH ALL APPLICABLE RULES AND REGULATIONS OF THE WATER SYSTEM AND STATE REGULATORS

GAUGE CALIBRATION DATE 07/31/2017 DETECTOR METER READING \_\_\_\_\_  
 TESTER SIGNATURE Nick Hartley CERT # 5632  
 TESTERS NAME PRINTED Nick Hartley GAUGE # 09122516  
 TESTERS ADDRESS 600 SE Maritime #300 Vancouver, WA 98661 PHONE # 360-693-9906  
 COMPANY NAME Fire Systems West  SERVICE RESTORED  
 REPORT RECEIVED BY \_\_\_\_\_

	<u>Size</u>	<u>Make</u>	<u>Model</u>	<u>Serial Number</u>	
1	1 1/2"	WATTS	009M2QT	116147	NI

Location

Pass

Fail

E WALL ON WAREHOUSE ANIT-FREEZE LOOP

x

0



# Oregon

Kate Brown, Governor

Department of Environmental Quality  
Northwest Region Portland Office/Water Quality  
700 NE Multnomah Street, Suite 600  
Portland, OR 97232  
(503) 229-5263  
FAX (503) 229-6957  
TTY 711

August 18, 2017

Dave Claugus  
PIONEER RECYCLING SERVICES, LLC  
16810 SE 120th Ave  
Clackamas, OR 97015-9005

RE: Issuance NPDES Permit Number 1200-Z  
File Number: 117787 EPA Number: ORR607179  
Facility: PIONEER RECYCLING SERVICES, 16810 SE 120TH AVE., CLACKAMAS  
CLACKAMAS County  
SIC Code(s): 5093

Dear Permit Registrant:

The Oregon Department of Environmental Quality (DEQ) has issued coverage under the 2017-2022 1200-Z industrial stormwater general permit to the above reference facility as of this date. Enclosed is a signed copy of page 1 of the final permit and a table with the monitoring requirements for the facility.

It is your responsibility to take all necessary steps to comply with conditions established in the permit to help protect Oregon's waterways. The final permit is posted on DEQ's industrial stormwater website: <http://www.oregon.gov/deq/FilterPermitsDocs/Final1200Zpermit.pdf>.

Technical assistance materials associated with this permit are located online at DEQ's industrial stormwater webpage via [www.oregon.gov/deq/](http://www.oregon.gov/deq/). As part of the permit requirements, your facility must submit an updated Stormwater Pollution Control Plan to DEQ by **December 29, 2017**. The document must be submitted by email (10 MB limit), thumb drive or on a CD.

If you do not want to be covered under the 1200-Z permit, you can apply for an individual permit in accordance with OAR 340-045-0030.

Please contact Ian Garner in DEQ's Northwest Region office at (503) 229-5438 if you have any questions about your permit requirements.

Respectfully,

Ian Garner, WQ Permit Coordinator  
Northwest Region

Attachments: Monitoring Requirements  
1200-Z Permit Cover Page

cc: File

**Monitoring Requirements**

You must monitor for the pollutants in the table below. If a parameter is listed more than once in the table below, you must sample according to the highest frequency and the laboratory results must meet the lowest concentration. If benchmarks are exceeded, please refer to Schedule A.10 of the permit for appropriate corrective actions.

Region	Pollutant	Statewide Benchmark	Unit	Frequency
Regional ✓	Total Copper	0.020	mg/L	Four times per year
Regional ✓	Total Lead	0.015	mg/L	Four times per year
Regional ✓	Total Zinc	0.090	mg/L	Four times per year
Regional ✓	pH	5.5-9.0	SU	Four times per year
Regional ✓	TSS	100	mg/L	Four times per year
Regional ✓	Total Oil & Grease	10	mg/L	Four times per year
Regional	E. coli <sup>1</sup>	406	counts/100 mL	Four times per year
SIC Code of Industrial Activity	Pollutant	Sector Specific Benchmark <sup>2</sup>	Units	Frequency
5093 ✓	COD	120	mg/L	Four times per year
5093 ✓	Total Aluminum	0.75	mg/L	Four times per year
5093 ✓	Total Iron	1.0	mg/L	Four times per year
LLJD: 1226050453723	Pollutant	Impairment Reference Concentration <sup>3</sup>	Units	Frequency
River Mile: 4.7430000000000003				
Clackamas River	BOD	30	mg/L	Two times per year
Clackamas River	Dissolved Lead	0.022	mg/L	Two times per year
Clackamas River ✓	Mercury	0.0024	mg/L	Two times per year

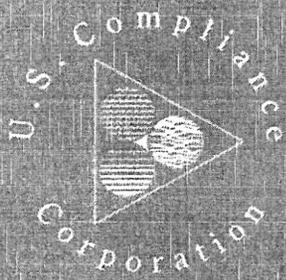
<sup>1</sup> Monitoring for E. coli applies to all dischargers in Columbia Slough Region, all other Regions, only to active landfills and sewage treatment plants.

<sup>2</sup> Sector-Specific Benchmarks apply to both your primary industrial activity and any co-located industrial activities.

<sup>3</sup> Impairment Pollutants apply to discharges to an impaired water without a TMDL for pollutant(s).

**Tier II Evaluation Year**

Tier II evaluation year for PIONEER RECYCLING SERVICES is the 2018-2019 monitoring year.



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# Storm Water Pollution Control Plan

For

**Pioneer Recycling Services**

**16810 S.E. 120<sup>th</sup> Avenue  
Clackamas, OR 97015**

**County: Clackamas**

**Facility Contact: Jose Carrillo  
(971) 204-7298  
JoseCarrillo@PioneerRS.com**

**SIC: 5093 (Scrap and Waste Materials)**

**DEQ File No.: 117787  
Permit No.: 1200-Z**

**Plan Prepared: December 2017**

Prepared by: Per Lundmark  
United States Compliance Corporation

520 Third Street, Suite 100  
Excelsior, MN 55331  
(952) 252-3000  
[www.uscompliance.com](http://www.uscompliance.com)

## EXECUTIVE SUMMARY

As required by the facility's storm water permit (NPDES General Permit 1200-Z), a complete copy of the this Stormwater Pollution Control Plan (SWPCP) shall be maintained at the facility. Maintaining the plan includes completing all routine and non-routine requirements that are outlined in the plan. The table below is a summary of the routine requirements that need to be documented and filed with the plan. It outlines the requirement, frequency, form names, filing locations and whether or not the document needs to be submitted to an agency.

<i>Routine Requirement</i>	<i>Frequency</i>	<i>Form Name</i>	<i>Filing Location*</i>	<i>Need to be Submitted to Agency?</i>
Facility Inspections	Monthly	Facility Inspection	Appendix F	No
Visual Observations	Monthly	Visual Observation	Appendix G	No
Preventative Maintenance	Monthly	Preventative Maintenance	Appendix E	No
Impairment Pollutants Monitoring	Semi-Annual	N/A	Appendix D	Yes (with Annual DMR)
Benchmark Monitoring	Quarterly	N/A	Appendix D	Yes (with Annual DMR)
Annual DMR Report	Annually	Industrial Stormwater Discharge Monitoring Report – 1200-Z Permit	Appendix D	Yes
Annual SWPPP Training	Annually	SWPPP Training Records	Appendix H	No
Spill Reports	Upon any reportable spill	Reportable Spill Event Notification	Appendix C	Yes (if reportable)

\*All blank & completed forms need to be filed with the SWPPP in these appendices

**Going forward, all storm water documents are to be filed in this 2017 SWPPP.** All past records from any previous SWPPPs need to be filed onsite for a minimum of three years. All past records from any significant spills and leaks need to be filed onsite for a minimum of five years.

Note: This executive summary only outlines the routine requirements. The plan also contains best management practices and potential corrective actions that need to be completed. If clarification is needed on any of these requirements, please contact U.S. Compliance Corporation for assistance.

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### *Appendix:*

- A. *General NPDES Storm Water Permit & Permit Assignment Letter & Coverage Documents*
- B. *Site Maps*
- C. *Storm Water Spill Plan*
- D. *Storm Water Discharge Monitoring Reports, Laboratory Results and Tier 1 Reports*
- E. *Storm Water Preventative Maintenance Inspections*
- F. *Storm Water Facility Inspections*
- G. *Storm Water Event Visual Inspections*
- H. *Storm Water Training Signoff Form Recordkeeping*

## 1.0 INTRODUCTION

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Pioneer Recycling Services has prepared this plan in compliance with the requirements set forth in the Clean Water Act, in 40 CFR 122, 123, and 124, and the NPDES General Storm Water Permit 1200-Z approved and signed by the Oregon Department of Environmental Quality (DEQ) Water Quality Administrator to be effective August 1, 2017. The permit expires on July 31, 2022 (see permit in Appendix A).

The plan is designed to meet three major objectives:

- 1) The first objective is met by the Significant Materials Inventory and the Potential Pollutant Assessment. The Significant Materials Inventory identifies materials at the site that have the potential to be released or come in contact with storm water. The Potential Pollutant Assessment identifies the potential for various sources at the site to pollute storm water.
- 2) The second objective is met by the Best Management Practices Identification. The information on this form describes the management practices and structural controls that currently are, or will be, employed to minimize the contact of storm water with materials or reduce pollutants in the storm water runoff.
- 3) The third objective is met through regular inspections of the facility and any follow-up maintenance or cleanup based on the findings of the inspections. The individuals listed on the following pages will see to it that all aspects of the plan are being implemented and maintained and will, if necessary, make revisions to the plan.

## 2.0 SIGNATORY CERTIFICATION

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### Management Approval

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Authorized Facility Representative:

Dave Claugus

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

### 3.0 GENERAL FACILITY INFORMATION

Pioneer Recycling Services is situated on 4.85 acres at 16810 S.E 120<sup>th</sup> Avenue, Clackamas, Oregon 97015. Approximately 70,000 square feet of the facility is under roof, and there is an additional 68,600 square feet of impervious surface on site for a total of 138,600 sq. ft. of impervious surface, or 66% of the entire site. This is a recycling facility that receives residential curbside recyclables consisting of newspaper, cardboard, aluminum, plastics, glass, mixed paper, residual garbage, and plastic grocery bags. The materials are sorted at the facility and packaged for shipping using a compactor and baler. Pioneer Recycling Services operates under SIC: 5093 (Scrap and Waste Materials). The facility's general information is summarized in the following table:

**Table (3-1): Facility Information**

<b>Facility address:</b>	16810 S.E. 120th Avenue Clackamas, OR 97015
<b>Mailing address:</b>	16810 S.E. 120th Avenue Clackamas, OR 97015
<b>County:</b>	Clackamas
<b>Phone:</b>	(971) 204-7298
<b>Principle business activity:</b>	Assembling, breaking up, sorting, and wholesale distribution of scrap and waste materials
<b>SIC Code:</b>	5093 (Scrap and Waste Materials)
<b>Sector:</b>	N- Scrap Recycling and Waste Recycling Facilities
<b>Subsector:</b>	N2
<b>Number of employees:</b>	60
<b>Regular Business Hours of Operation:</b>	M-Sat, 18 hrs./day
<b>Latitude:</b>	45° 24' 00" N
<b>Longitude:</b>	122° 32' 20" W
<b>Total property acres:</b>	4.85
<b>Total impervious surface:</b>	138,600 ft <sup>2</sup>
<b>Impervious surface percent:</b>	66%
<b>MS4 Owner:</b>	Clackamas County MS4
<b>Receiving Water:</b>	Clackamas River
<b>Permit effective date:</b>	August 1, 2017
<b>Permit expiration date:</b>	July 31, 2022

### 3.1 Impaired Waters (Schedule A.5)

The permit requires all facilities to locate and identify any impaired waters that receive their storm water discharges.

Impaired Waters:

An impaired water is defined as “a water identified by a State or EPA pursuant to Section 303(d) of the Clean Water Act as not meeting applicable State water quality standards for one or more pollutants. This may include both waters with approved TMDLs, and those for which a TMDL has not yet been approved.” Section 303(d) of the Clean Water Act requires states to publish and update a list of waters that are not meeting one or more water-quality standards. This list, known as the 303(d) TMDL list, is updated **every two years**. After review of the most recent Oregon 303(d) list, Pioneer Recycling Services has identified the following impaired waters that receive facility discharge:

**Table (3-2): Impaired Waters Determination**

Receiving Water	Pollutant(s) of Impairment	Associated Surrogate(s)	*Sector Pollutant?	*TMDL	*TMDL Monitoring Requirements
Clackamas River	Biological Criteria	N/A	No	No	See Table 9-2 for monitoring requirements
	Lead	Metals	No	No	
	Mercury	Metals	No	No	

\*An existing facility that discharges to an Impaired Water with a TMDL for pollutants is presumed to be in compliance through the terms of the permit, unless the TMDL establishes wasteload allocation(s) and additional requirements for industrial stormwater discharges. The DEQ will inform the facility if any additional limits or controls are necessary to be consistent with the assumptions of the wasteload allocation(s) of the TMDL(s), or if coverage under an individual permit is necessary.

***As of November 3, 2017, the facility discharges to an impaired water, therefore additional monitoring by Pioneer Recycling Services is required, and is addressed in Section 9.0.***

#### 4.0 PURPOSE OF SITE MAP

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The storm water site map is a complete illustration of the site features pertaining to storm water and its potential to pollute. The site map for Pioneer Recycling Services includes information on the following:

- General location map showing location of the site in relation to surrounding properties, transportation routes, surface waters and other relevant features;
- Drainage patterns;
- Drainage and discharge structures (piping, ditches, etc.);
- Outline of the drainage areas for each storm water discharge point;
- Paved areas and buildings within each drainage area;
- Areas used for outdoor manufacturing, treatment, storage, or disposal of significant materials;
- Existing structural control measures for reducing pollutants in storm water runoff;
- Structural features that reduce flow or minimize impervious areas;
- Material loading and access areas;
- Hazardous waste treatment, storage and disposal facilities;
- Location of wells including waste injection wells, seepage pits, drywells, etc.;
- Location of springs, wetlands, and other surface waterbodies both on site and adjacent to the site;
- Location of groundwater wells;
- Location and description of authorized non-stormwater discharges;
- Location of monitoring points; and
- Location of spill prevention and cleanup materials.

**See Appendix B for Pioneer Recycling Services  
Storm Water Site Map.**

## 5.0 NON-STORM WATER DISCHARGE & CERTIFICATION

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It is a requirement of the general NPDES permit that storm water discharges be tested or evaluated for the presence of non-storm water discharges. Discharges not comprised entirely of storm water are not authorized by this permit, except the following:

- Discharges from fire-fighting activities.
- Fire hydrant flushings.
- Potable water, including water line flushings.
- Uncontaminated condensate from air conditioners, coolers and other compressors and from outside storage of refrigerated gases and liquids.
- Irrigation drainage.
- Landscape watering, provided that all pesticides, herbicides, and fertilizer have been applied in accordance with the manufacturer's instructions.
- Pavement wash waters where no detergents or hot water are used, no spills or leaks of toxic or hazardous materials have occurred (unless all spilled material has been removed) and surfaces are swept before washing.
- Vehicle washing that does not use detergents or hot water unless the 1700-A NPDES permit is required for the discharge.
- Routine external building wash down which does not use detergents or hot water.
- Uncontaminated ground water or spring water.
- Foundation or footing drains where flows are not contaminated with process materials.
- Incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of the facility, but not intentional discharges from the cooling tower (e.g., "piped" cooling tower blowdown or drains.).

During November 3, 2017 Pioneer Recycling Services and U.S. Compliance Corporation performed a non-storm water discharge evaluation. The evaluation included a visual inspection of the discharge points for the presence of non-storm water discharges. The results indicate that there are no non-storm water discharges in the discharge points.

### CERTIFICATION

I, Dave Claugus, certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person(s) who manage the system of those persons directly responsible for gathering information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of being fined and imprisoned for knowing of violations.

Signature of permittee:

\_\_\_\_\_

Printed name of permittee:

Dave Claugus  
\_\_\_\_\_

## 6.0 SIGNIFICANT MATERIALS

---

The goal of storm water regulations is to reduce the contact between significant materials and storm water. Storm water that contacts significant materials has been identified as a major contributor of degraded water quality. The elimination or reduction of contact between storm water and significant materials is a fundamental component of the Oregon DEQ storm water program.

Significant materials may be located in the following areas: material handling areas, shipping and receiving, treatment areas, manufacturing areas, storage, and warehousing areas. From a storm water perspective, almost any material stored outside could be identified as a significant material.

The following are some examples of what a significant material is:

- Raw materials (coal, iron ore)
- Solvents (cleaners, manufacturing solvents)
- Finished materials (cement, chemicals, manufactured goods)
- Fuels (oil, kerosene, natural gas)
- Detergents (cleaners, industrial processing agents)
- Plastic pellets
- Metallic products (steel, aluminum, iron)
- Fertilizers, pesticides, or fungicides
- Hazardous substances designated under Section 101 (14) of CERCLA
- Chemicals that must be reported under Section 313 of Title III of SARA
- Waste products such as ashes, slag, and sludge

Pioneer Recycling Services has handled, stored, or treated the significant materials on the following pages between the time of three years prior to the date of the issuance of this permit and the present.

6.1 Assessment of Significant Materials

Table (6-1): Inventory of Significant Materials

Material	Material Location	Activities	Storage Method	BMPs (Implementation Date, Type, & Objective)	Pollutant Potential	History of Spills/Leaks
Dumpster	SE Corner of Property	<input checked="" type="checkbox"/> Stored <input checked="" type="checkbox"/> Handled	Stored on impervious surfaces	1. Type = <b>Non-Structural</b> : These items are visually inspected for any excessive chemical and/or oil residue. If present, they will be relocated indoors to prevent storm water exposure.	Metals, O&G	None
Finished Goods	East dock	<input checked="" type="checkbox"/> Stored <input checked="" type="checkbox"/> Handled	Stacked & stored on impervious	1. Type = <b>Non-Structural</b> : These items are visually inspected for any excessive chemical and/or oil residue on the product. If present, they will be relocated indoors to prevent storm water exposure.	O&G & COD	None
Baghouse	SW Corner of Facility	<input checked="" type="checkbox"/> Stored <input checked="" type="checkbox"/> Handled	Stored on impervious surface	1. Type = <b>Structural</b> : The dumpster collecting the baghouse dust is covered to reduce contact with stormwater. 2. Type = <b>Non-Structural</b> : The dumpster is emptied on a regular basis.	TSS, O&G & COD	None
Loading/Unloading Area	East docks	<input checked="" type="checkbox"/> Stored <input checked="" type="checkbox"/> Handled	Occurs on impervious surface	1. Type = <b>Non-Structural</b> : Spill kits and spill response equipment are stored in these areas for proper clean up and to prevent any fluids from reaching a stormwater drain. 2. Type = <b>Non-Structural</b> : The loading/unloading area is regularly inspected for debris and if found, it is immediately swept up and properly disposed. Personnel would utilize equipment to clean up any spilled materials before it reaches stormwater runoff. 3. Type = <b>Non-Structural</b> : Any spills or leaks that occur are immediately cleaned up and disposed. 4. Type = <b>Structural</b> : Unloading area is covered to eliminate exposure to stormwater.	TSS, O&G & COD	None

## 6.2 Potential Sources Of Pollutants Purpose

The potential sources of pollution to storm water can be attributed to: loading/unloading operations, maintenance operations, outdoor storage, outdoor disposal operations, and outdoor processing operations (including dust and particulate prevention). These operations are non-point sources of pollution. Non-point pollution is caused by rainfall and snowmelt moving over and through the ground. As the runoff moves, it picks up and carries away natural and human-made pollutants, finally depositing them into lakes, rivers, wetlands, coastal waters, and even our underground sources of drinking water. The United States Environmental Protection Agency (EPA) has estimated that 60% of the water quality problems in the nation are caused by non-point sources.

By incorporating practices that reduce or eliminate identified potential sources of pollution to storm water, the water quality of the nation can be greatly improved.

Table (6-2): Inventory of Industrial Activities

Industrial Activities	Associated Significant Materials	Description of Potential to Pollute
Loading/Unloading Operations	<ul style="list-style-type: none"> <li>-Raw Materials</li> <li>-Finished Goods</li> </ul>	<p>Unloading operations are conducted indoors and not exposed to stormwater.</p> <p>Solid materials on the paved surface from loading operations may be picked up by storm water resulting in a potential to pollute.</p>
Maintenance Operations	N/A	<p>All maintenance is performed indoors. If a spill were to occur it would collect on the facility floor that has no grade where it would be contained with absorbents or possibly flow towards the overhead doors to the east. Potential Pollutants: Oil.</p>
Storage Operations	<ul style="list-style-type: none"> <li>- Oil Tanks</li> <li>- Diesel Fuel Tank</li> <li>- Hydraulic Oil Tanks</li> </ul>	<p>If the indoor oil drums were to fail the spill would collect in the secondary containment tubs where it has no potential to pollute. Potential Pollutants: Oil.</p> <p>If the indoor 225 gallon bailer hydraulic oil reservoir were to fail the spill would collect on the facility floor that has no grade where it would be contained with absorbents or possibly flow towards the loading dock overhead doors to the east. Potential Pollutants: Oil.</p> <p>If the indoor 450 gallon newspaper compactor hydraulic oil reservoir were to fail the spill would collect on the facility floor that has no grade where it would be contained with absorbents or possibly flow towards the walls or overhead doors to the east. Potential Pollutants: Oil.</p> <p>If the indoor 700 gallon double-walled diesel tank were to fail the spill would be contained within the double wall. Potential Pollutants: Oil.</p>
Outdoor Disposal Operations	- Scrap Metal Dumpster	<p>Rain water may drain through the dumpsters or bins and collect contaminants that accumulated inside resulting in a potential to pollute storm water. Potential Pollutants: Oil, Biochemical Oxygen Demand (BOD), Total Suspended Solids (TSS).</p>
Outdoor Processing Operations (including particulate prevention)	N/A	<p>There are no outdoor processing operations.</p>

## 7.0 PURPOSE OF CONTROL MEASURES

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Control Measures are measures or practices that are employed to reduce or eliminate the amount of pollution entering surface water, air, land, or ground waters. These practices may take the form of a process, activity, or physical structure.

Non-structural Control Measures focus on changing behavior and management. These measures can be described as "good common sense" (e.g. moving materials inside to reduce exposure, prohibiting certain practices, and spill prevention plans).

Structural Control Measures are measures that control or manage storm water runoff and drainage. Examples of structural Control Measures include enclosures used for covering exposed significant materials, swales, dikes, or storm water retention basins.

Noncapital structural and non-structural Control Measures shall be implemented no later than 90 days after obtaining permit coverage.

Capital structural and non-structural Control Measures shall be implemented no later than two years after obtaining permit coverage.

Pioneer Recycling Services practices both non-structural and structural Control Measures to reduce the potential to pollute storm water.

7.1 Control Measures for Technology Based Effluent Limitations

(Schedule A.1-A.5 & Schedule E)

BMP Purpose	Location or Source	BMPs (Implementation Date, Type, & Objective)	Function Evaluation
<b>1. MINIMIZE EXPOSURE</b>		<ol style="list-style-type: none"> <li>These items are visually inspected for any excessive chemical and/or oil residue. If present, they will be relocated indoors to prevent storm water exposure.</li> </ol>	
	Dumpster	<ol style="list-style-type: none"> <li>These items are visually inspected for any excessive chemical and/or oil residue on the product. If present, they will be relocated indoors to prevent storm water exposure.</li> </ol>	
	Finished Goods	<ol style="list-style-type: none"> <li>The dumpster collecting the baghouse dust is covered to reduce contact with stormwater.</li> </ol>	
	Baghouse	<ol style="list-style-type: none"> <li>The dumpster is emptied on a regular basis.</li> </ol>	
	Loading/Unloading Area	<ol style="list-style-type: none"> <li>Non-Structural: Spill kits and spill response equipment are stored in these areas for proper clean up and to prevent any fluids from reaching a stormwater drain.</li> <li>Non-Structural: The loading/unloading area is regularly inspected for debris and if found, it is immediately swept up and properly disposed. Personnel would utilize equipment to clean up any spilled materials before it reaches stormwater runoff.</li> <li>Non-Structural: Any spills or leaks that occur are immediately cleaned up and disposed.</li> </ol>	Monthly Inspections
<b>Sector Specific E.N.1.2.1</b>	Waste Material Storage (Indoor)	<p>Minimize or eliminate contact between residual liquids from waste materials stored indoors and from surface runoff. The plan may refer to applicable portions of other existing plans, such as Spill Prevention, Control, and Countermeasure (SPCC) plans required under 40 CFR Part 112. Following are some control measure options (a) procedures for material handling (including labeling and marking); (b) clean up spills and leaks with dry absorbent materials, a wet vacuum system; (c) appropriate containment structures (trenching, curbing, gutters, etc.); and (d) a drainage system, including appurtenances (e.g., pumps or ejectors, manually operated valves), to handle discharges from diked or bermed areas. Drainage should be discharged to an appropriate treatment facility or sanitary sewer system, or otherwise disposed of properly. These discharges may require coverage under a separate NPDES wastewater permit or industrial user permit under the pretreatment program.</p>	Monthly Inspections

Table (7-1): Identification of Mandatory Control Measures

BMP Purpose	Location or Source	BMPs (Implementation Date, Type, & Objective)	Function Evaluation
<b>1. MINIMIZE EXPOSURE (cont.)</b>			
<b>Sector Specific E.N.1.2.2</b>	<i>Waste Material Storage (Outdoor)</i>	Minimize contact between stored residual liquids and precipitation or runoff. The plan may refer to applicable portions of other existing plans, such as SPCC plans required under 40 CFR Part 112. Discharges of precipitation from containment areas containing used oil must also be in accordance with applicable sections of 40 CFR Part 112. Following are some control measure options (a) appropriate containment structures (e.g., dikes, berms, curbing, pits) to store the volume of the largest tank, with sufficient extra capacity for precipitation; (b) drainage control and other diversionary structures; (c) corrosion protection and/or leak detection systems for storage tanks; and (d) dry-absorbent materials or a wet vacuum system to collect spills.	Monthly Inspections
<b>Sector Specific E.N.1.2.3</b>	<i>Trucks and Rail Car Waste Transfer Areas</i>	Minimize pollutants in discharges from truck and rail car loading and unloading areas. Include measures to clean up minor spills and leaks resulting from the transfer of liquid wastes. Following are two control measure options: (a) containment and diversionary structures to minimize contact with precipitation or runoff, and (b) dry clean-up methods, wet vacuuming, roof coverings, or runoff controls.	Monthly Inspections
<b>2. OIL AND GREASE</b>			
<b>Control Measure</b>	Facility Grounds	Employ oil/water separators, booms, skimmers or other methods to eliminate or minimize oil and grease contamination in storm water discharges.	Monthly Inspections

BMP Purpose	Location or Source	BMP Type & Objective	Function Evaluation
<b>3. WASTE CHEMICALS AND MATERIAL DISPOSAL</b>			
Control Measure	Outdoor Disposal Operations	Recycle or properly dispose of wastes to eliminate or minimize exposure of pollutants to stormwater. Cover all waste contained in bins or dumpsters where there is a potential for drainage of stormwater through the waste to prevent exposure of stormwater to these pollutants. Acceptable covers include, storage of bins or dumpsters under roofed areas and use of lids or temporary covers such as tarps.	Monthly Inspections
Sector Specific E.N.2.2	Collection, Handling, and Disposal of Residual Fluids	Residual fluids will be properly stored and disposed in accordance with all local, regional, state and federal requirements. Inspection of incoming product, as well as Good housekeeping practices of process and storage areas are used identify any residual liquids and are disposed when discovered.	Good Housekeeping
<b>4. Erosion and Sediment Control</b>			
Control Measure	All Sources	Stabilize exposed areas and contain runoff using structural and nonstructural controls to minimize erosion of soil at the site and sedimentation. Employ erosion control methods such as vegetating exposed areas, graveling or paving to minimize erosion of soil at the site. Employ sediment control methods such as detention facilities, vegetated filter strips, bioswales, flow velocity dissipation devices or other permanent erosion or sediment controls to minimized sediment loads in stormwater discharges. For activities that involve land disturbance, the facility must contact the local municipality to determine if there are other applicable requirements related to stormwater control.	Monthly Inspections
<b>5. DEBRIS CONTROL</b>			
Control Measure	All Sources	Employ screens, booms, settling ponds, or other methods to eliminate or minimize waste, garbage and floatable debris in stormwater discharges and ensure that this debris is not discharged to receiving waters	Monthly Inspections

BMP Purpose	Location or Source	BMP Type & Objective	Function Evaluation
<b>6. DUST GENERATION AND VEHICLE TRACKING OF INDUSTRIAL MATERIALS</b>			
Control Measure	All Sources	Minimize generation of dust and tracking on exposed surfaces within and between operational areas and off-site of soil, particulates, and raw, final or waste materials.	Monthly Inspections
<b>7. GOOD HOUSEKEEPING</b>			
Control Measure	All Sources	Routinely clean all exposed areas that may contribute pollutants to stormwater with measures such as sweeping at regular intervals, litter pick-up, keeping materials orderly and labeled, prompt clean-up of spills and leaks, proper maintenance of vehicles and stowing materials in appropriate containers.	Monthly Inspections
<b>8. SPILL PREVENTION &amp; RESPONSE PROCEDURES</b>			
Control Measure	All Sources	The Storm Water Spill Prevention & Response Plan in Appendix C contains the appropriate contact information for spill responses and procedures. These plans will be maintained as required and activated during the event of any applicable spills.	Monthly Inspections
<b>9. PREVENTATIVE MAINTENANCE</b>			
Control Measure	All Sources	See Section (9.2) for the associated Control Measure	Monthly Inspections
<b>10. EMPLOYEE EDUCATION</b>			
Control Measure	All Sources	See Section (10.0) for the associated Control Measure.	Monthly Inspections
<b>11. NON-STORM WATER DISCHARGES</b>			
Control Measure	All Sources	See Section (5.0) for the associated Control Measure.	Monthly Inspections

## 8.0 RECORDKEEPING PROCEDURES

Pioneer Recycling Services shall retain the Storm Water Pollution Control Plan developed in accordance of the General Permit until at least seven years after coverage under this permit terminates. The facility shall retain records of all monitoring information, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least seven years from the date of the sample, measurement, report or application. This period may be explicitly modified by other provisions of the permit or extended by the request of the Clean Water Services at any time.

All records will be kept on site in the applicable appendixes along with the plan where they may be easily obtained for review.

**Table (8.1): Recordkeeping Procedures**

RECORDKEEPING MATERIALS	
APPENDIX:	DOCUMENTS:
Appendix A	Application for Coverage, General NPDES Storm Water Permit & Permit Assignment Letter & Coverage Documents
Appendix B	Maps
Appendix C	Storm Water Spill Prevention and Response Plan
Appendix D	Storm Water Discharge Monitoring Reports, Laboratory Results and Tier 1 Reports
Appendix E	Storm Water Preventative Maintenance Inspections
Appendix F	Storm Water Facility Inspections
Appendix G	Storm Water Event Visual Observation
Appendix H	Storm Water Pollution Control Training Records

### 8.1 SWPCP Changes

Records will also be kept of any changes that need to be made to the Storm Water Pollution Control Plan. Submission of all SWPCP revisions is not required. SWPCP revisions must be submitted only if they are made for any of the following reasons:

- Change in site contact(s);
- In response to a corrective action or inspection;
- Changes to the site operations or control measures that may significantly change the nature of pollutants present in stormwater discharge; or significantly increase the pollutant(s) levels, discharge frequency, discharge volume or flow rate; and
- Changes to the monitoring locations or discharge points

If submission of SWPCP revisions is required, the facility must submit the revised pages of the SWPCP and site map if applicable to DEQ or agent no later than 30 calendar days after the completion of the modification. Review of the revisions by DEQ or Agent prior to implementation is not required, except revision to location of monitoring locations. The proposed revisions are deemed accepted after 30 calendar days of the receipt unless the permit registrant receives a response from DEQ or agent.

The DEQ or agent may also require the facility to revise the SWPCP at any time. The facility must submit the revisions no later than 30 calendar days from the request date, unless DEQ or agent approved a later date.

SWPCP revisions are not subjected to public notice and comment unless revisions are in response to water quality based effluent limit requirements that can be found in Schedule A.4 and A.5 of this permit (see Appendix A).

## 9.0 FACILITY INSPECTIONS & MONITORING

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Ultimately, the goal of this SWPCP it is to protect the quality of water resources from the facility's operations and any operational changes that may occur during the term of the permit. To evaluate the ongoing effectiveness of the SWPCP, the following routine monitoring activities will be conducted at Pioneer Recycling Services:

- Non-Storm Water Discharges & Certification – See Section 5.0
- Benchmark Monitoring – Semi-Annually – See Section 9.1
- Preventative Maintenance Evaluations – Monthly – See Section 9.2
- Facility Inspections – Monthly – See Section 9.3

The monitoring results will be used to regularly assess the impact of pollutant sources and effectiveness of Control Measures. The SWPCP will be updated and improved throughout the term of the permit, and these updates will be reflected by the results of monitoring. Sections 9.1 -- 9.3 of this plan provide the required monitoring details.

### 9.1 Benchmark Monitoring

Pioneer Recycling Services shall collect storm water grab samples from the monitoring locations identified in Table (9-1).

#### Sampling

One sample will be taken from the monitoring locations in Table (9-1) four times per year and at least 14 calendar days apart. The discharge must be monitored within the first 12 hours of the discharge event, which is a measurable storm event resulting in an actual discharge from the facility. If it is not practicable to collect the sample within this period, collect the sample as soon as practicable and provide documentation with the Discharge Monitoring Report why it was not practicable to take samples within the period. The facility is not required to sample outside of regular business hours or during unsafe conditions. Regular business hours are from 5:00am to 7:00pm on weekdays.

The period in which sampling is required is:

- July 1- June 30
  - Two samples must be collected before December 31
  - Two samples must be collected after January 1

The samples shall be taken from the predetermined benchmark monitoring location at the facility, which is representative of all drainage area on the property that are associated with industrial activity. Pioneer Recycling Services has identified the facility's benchmark monitoring location in the following table:

**Table (9-1): Monitoring Location(s)**

Monitoring Location	Monitoring Location Description	Latitude and Longitude	Sampling Required?
001	Southwest Corner of Property near bioswale	45°23'58.6"N 122°32'21.6"W	Yes

Required Analyses

The samples need to be analyzed immediately after being obtained for the following parameters:

**Table (9-2): Sampling Requirements**

Applicability	Parameter	Benchmark Monitoring Regional Concentration	Monitoring Frequency:	Reporting Deadline
Statewide Benchmarks Regional	Total Copper	0.020 mg/l	Four times per year: Two samples on or before Dec. 31 and two samples on or after Jan 1	DMR due Annually by January 31 <sup>st</sup>
	Total Lead	0.015 mg/l		
	Total Zinc	0.09 mg/l		
	pH*	5.5 – 9.0 SU		
	Total Suspended Solids (TSS)	100 mg/l		
	Total Oil & Grease	10 mg/l		
Impaired Waters Determination**	Biological Oxygen Demand (BOD)	30 mg/l	Two times per year: One sampled on or before Dec. 31 and one sample on or after Jan 1.	Annually by January 31 <sup>st</sup>
	Dissolved Lead	0.022 mg/l		
	Mercury	0.0024 mg/l		
Sector N Scrap Recycling and Waste Recycling Facilities except Source-Separated Recycling (SIC 5093)	Chemical Oxygen Demand (COD)	120 mg/l	Quarterly	Annually by January 31 <sup>st</sup>
	Total Recoverable Aluminum	0.75 mg/l		
	Total Recoverable Iron	1.0 mg/l		

\*\*Before granting coverage under the permit, DEQ will identify in the permit assignment letter the impairment pollutants that the facility is required to monitor and reference concentrations for these pollutants

\*Sampling for pH - Approved methods for pH sampling require either measuring the pH directly in the flow, or analyzing the sample within 15 minutes of sample collection. When sampling & testing for pH, the following requirements must be maintained:

- Obtain accurate pH readings with a properly calibrated pH meter.
- Permit registrant must follow manufacturers' specifications and keep meter in good working order.
- pH paper may not be used for determining the precise parameters established in this permit.

### Reporting

The facility will submit sampling and visual monitoring results postmarked no later than July 31<sup>st</sup> on an annual basis. Results shall be summarized on a state approved Discharge Monitoring Report (DMR) form and a signed copy of the DMR form must be sent to Clean Water Services. Minimum detection levels and analytical methods for each parameter analyzed must also be included on the DMR. Non-detections must be reported as "ND" with the detection limit in parenthesis (e.g., ND (0.005 mg/L)).

*Clean Water Services  
2550 SW Hillsboro Hwy.  
Hillsboro, OR 97123*

In addition for each sample taken pursuant to the requirements of the permit, the facility shall record the following information:

- The individual who performed the sampling
- The date sampling took place
- The time and methods of sampling
- The sampling location

A sampling documentation form is provided in Appendix D to collect this additional information along with a state approved DMR form. A "fill-in" pdf version of the DMR can be obtained at the following website:

<http://www.oregon.gov/deq/wq/wqpermits/Pages/DMR-forms.aspx>

#### Corrective Actions For Impairment Pollutants and Benchmark Exceedances – Tier I

If a sample exceeds any of the benchmark concentrations identified in Table (9-2): Statewide Benchmarks Parameters & Limits, Table (9-3): Sector Specific Benchmarks Parameters & Limits, or reference concentration for impairment pollutants identified in the permit assignment letter, the facility must, within 30 days of obtaining the monitoring results follow the procedure outlined in Schedule A.10 of the general permit. For a copy of the Tier I response form see Appendix D.

#### Corrective Actions for Impairment Pollutants and Benchmark Exceedances – Tier II

The facility must evaluate the sampling results collected during the 2<sup>nd</sup> year of permit coverage and determine if the geometric mean of the samples collected at each monitored discharge point exceeds any of the benchmark concentrations identified in Table (9-2): Statewide Benchmarks Parameters & Limits or Table (9-3): Sector Specific Benchmarks Parameters & Limits. If the geometric mean exceeds the benchmarks, the facility must follow the procedure outlined in Schedule A.11 of the general permit.

#### Missed Samples Protocol

The facility may request a monitoring variance for missed samples due to no storm events of sufficient magnitude to produce run-off during regular business hours of operation and safe conditions. For each missed sample, report in the Discharge Monitoring Report that no discharge occurred and provide supporting data and analysis demonstrating why the monitoring did not occur.

#### Sampling Waiver Request

A sampling waiver may be requested if the geometric mean of four consecutive sampling results are below the benchmark concentrations (see Table (9-2): Statewide Benchmarks Parameters & Limits and Table (9-3): Sector Specific Benchmarks Parameters & Limits). The facility may also request a waiver if the exceedance(s) is solely attributed to the presence of the pollutant(s) in natural background and is not associated with industrial activities at the site or if the facility is inactive and unstaffed and no industrial materials or activities are exposed to storm water.

If the facility believes they qualify for one of the waivers, they must submit a request to exercise the waiver following the directions in Schedule B.4.a of the permit.

## 9.2 Preventative Maintenance Evaluations:

### Frequency & Scope:

Pioneer Recycling Services has developed a program to monthly inspect, clean, maintain and repair all industrial equipment and systems and material handling and storage areas that are exposed to stormwater to avoid situations that may result in leaks, spills and other releases of pollutants discharged to the Clackamas River. The facility will clean, maintain and repair all control measures, including stormwater structures, catch basin and treatment facilities to ensure effective operation and in a manner that prevents to discharge of pollution.

### Details:

The following items must be evaluated:

- Structural controls:
  - Bioswale

### Please Note:

As needed, all preventative maintenance and Control Measure repair details shall be recorded and stored with the SWPCP. Records must also document the estimated volumes of solids removed from catch basins, sediment ponds and other similar control structures.

### Forms & Filing:

A blank preventative maintenance and repair record form is available in Appendix E. All completed forms shall also be retained within Appendix E.

### 9.3 Facility Inspections

#### Frequency & Scope:

Pioneer Recycling Services must conduct facility-wide inspections on a monthly basis when the facility is in operations of areas where industrial materials or activities are exposed to storm water and areas where storm water control measures, structures, catch basins and treatment facilities are located.

#### Details:

The following items need to be evaluated:

- Industrial materials, residue or trash that may have or could come into contact with stormwater;
- Leaks or spills from industrial equipment, drums, tanks and other containers;
- Offsite and internal tracking of industrial or waste materials, or sediment where vehicles enter or exit the site;
- Tracking or blowing of raw, final or waste materials; that results in exposure of stormwater falling on the site
- Evidence of, or the potential for, pollutants entering the drainage system;
- Evidence of pollutants discharging to receiving waters at all discharge point(s)
- Visual observations for presence of floating, suspended or settleable solids, color, odor, foam, visible oil sheen or other obvious indicators of pollution in the storm water discharge at all discharge points.
- Conduct and document visual inspections at the site on a monthly basis when the facility is in operation. Visual observations above must be conducted during a discharge event if one occurs during the month, regardless whether the monthly site inspection has already occurred.
- Properly functioning stormwater control measures.

#### Forms & Filing:

A blank copy of the inspection form to complete the facility inspection is contained in Appendix F. A blank copy of the visual inspection form is in Appendix G. All completed inspection forms shall also be filed in Appendix F & G respectively.

#### Corrective Actions:

A Tier I report is required if visual observation shows evidence of stormwater pollution as indicated condition Schedule B.7.a.vii. For a copy of the Tier I response form see Appendix D. All completed Tier I reports must be filed in Appendix D.

## 10.0 ANNUAL STORM WATER POLLUTION CONTROL PLAN TRAINING

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Storm Water Pollution Control Plan training should be performed annually and additional trainings are to be given to any employee who works in areas where storm water is exposed to industrial activities or is part of the Pollution Prevention Team within 30 days of hiring. The training will review the overall Storm Water Pollution Control Plan and review all of the requirements of the plan.

### Storm Water Training Program:

- **Overview:**
  - Storm water requirements
  - Storm water and non-storm water discharges
  
- **Best Management Practices:**
  - Discuss the site specific Best Management Practices (Section 6.1)
    - Non-Structural Best Management Practices
    - Structural Best Management Practices
  - Narrative Technology-Based Effluent Limits (Section 7.1)
  - New Best Management Practices for Potential Pollutants
  
- **Maintenance Schedule:**
  - Discuss maintenance requirements of all systems of treatment and/or control, which have been installed or are used to achieve compliance with the SWPCP.
    - Control Measures
    - Industrial processes
    - Material handling areas
    - Shipping and receiving areas/loading and unloading
    - Building perimeter
  
- **Spill Prevention:**
  - Discuss proper handling of drums and bulk chemicals when loading and unloading.
  
- **Spill Response:**
  - Discuss responsibility for spill response and location of absorbent materials.
  - Review spill response procedures.

A Storm Water Pollution Control Plan Training sign off sheet can be found in Appendix H that shall be signed by each employee that attended the training.



Item 1. **The Insured:**  
PIONEER RECYCLING SERVICES LLC

**Entity Type:**  
LIMITED LIABILITY COMPANY

**Mailing address:**  
PIONEER RECYCLING SERVICES LLC  
ATTN KELLY BANDUCCI  
16810 SE 120TH AVE  
CLACKAMAS, OR 97015

Other workplaces not shown above:  
16810 SE 120TH AVE BLDG Y-4, CLACKAMAS, OR 97015-9005

Item 2. **The policy period** is from 12-01-2017, 12:01 A.M. to 12-01-2018, 12:01 A.M. at the insured's mailing address

- Item 3. **A. Workers Compensation Insurance: Part One** of the policy applies to the Workers Compensation Law of the states listed here: OREGON
- B. Employers Liability Insurance: Part Two** of the policy applies to work in each state listed in item 3.A. The limits of our liability under Part Two are:

Bodily Injury by Accident \$500,000 each accident  
Bodily Injury by Disease \$500,000 each employee  
Bodily Injury by Disease \$500,000 policy limit

**C. Other States Insurance: Part Three** of the policy applies to the states, if any, listed here:  
NONE

- D. This policy includes these endorsements and schedules:**
- WC360601E Oregon Cancellation Endorsement
  - WC000421D Catastrophe (other than Certified Acts of Terrorism) Premium End
  - WC000422B Terrorism Risk Insurance Prog Reauthorization Act Disclosure End
  - WC000414 Notification of Change in Ownership Endorsement
  - WC000406A Premium Discount Endorsement
  - WC360406 Premium Due Date Endorsement
  - WC990309C SAIFPlus Endorsement
  - WC000310 Coverage Endorsement - Others
  - WC360304 Oregon Amendatory Endorsement
  - WC990616 Confidentiality Endorsement

Item 4. **The premium** for this policy will be determined by our Manuals of Rules, Classifications, Rates and Rating Plans. The experience rating modification factor and other rating plan factors, if any, may change on your rating effective date of 12-01-2018. All information required below is subject to verification and change by audit.

Information Page

Class	Description	Estimated Policy Period Payroll	Rate Per \$100 of Payroll	Estimated Premium
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Period: 12/01/2017 - 11/30/2018

Pioneer Recycling Services Llc

8264 10	Recycling Operation	\$139,466	5.12	\$7,140.66
8810 03	Office Clerical	\$109,153	0.12	\$130.98
8742 11	Salesperson-Outside-No Delivery	\$0	0.21	\$0.00
8810 03	Steve Frank	\$50,600	0.12	\$60.72
	<b>Total Payroll</b>	<b>\$299,219</b>		
	Manual Premium			\$7,332.36
	Experience Rating Modification		x	0.8500
	Estimated Premium			\$6,232.51

<b>Total Estimated Premium</b>	\$6,232.51
SAIFPlus Credit (2% to a \$600 maximum)	- \$124.65
<b>Estimated Standard Premium</b>	<b>\$6,107.86</b>
Premium Discount	- \$116.33
Terrorism Premium	+ \$29.92
Catastrophe Premium	+ \$29.92
<b>Estimated Policy Period Premium</b>	<b>\$6,051.37</b>
DCBS Assessment @ 6.80% on \$6,051.37 (excludes Part Two & Federal Premium)	+ \$411.49
<b>Total Estimated Policy Premium Including DCBS Assessment</b>	<b>\$6,462.86</b>

**Policy Minimum Premium: \$500**

Your policy premium is based on your current estimated premium and may be prorated for policies in effect for less than a full year or adjusted based on actual payroll by classification.

The SAIFPlus discount applies only to premium paid prior to the end of the policy period.

Terrorism Premium is in addition to Policy Minimum Premium.

Catastrophe Premium is in addition to Policy Minimum Premium.

**Payroll Reporting Frequency: Annual**

**Policyholder Option to Reimburse SAIF Corporation for Medical Expenses (Nondisabling Claims Reimbursement Program):**

This policyholder has chosen to enroll in the Nondisabling Claims Reimbursement program with a quarterly claim evaluation.

This information page is part of your policy.

Countersigned on 10-25-2017 at Salem, Oregon

  
Kerry Barnett, President  
and Chief Executive Officer

WC000001A

# Land Use Compatibility Statement (LUCS)

Solid waste application supplemental form



**Metro**

600 NE Grand Ave.  
Portland, OR 97232  
503-797-1835

SUBMIT THIS FORM TO:

Metro  
Solid Waste Compliance and Cleanup  
600 NE Grand Avenue  
Portland, OR 97232-2736  
Tel: (503) 797-1835  
Fax: (503) 813-7544  
[SWCC@oregonmetro.gov](mailto:SWCC@oregonmetro.gov)

**Metro use only**

**DATE RECEIVED:**

**DATE DEEMED COMPLETE BY METRO:**

## METRO Land Use Compatibility Statement (LUCS)

**WHAT IS A LUCS?** A Land Use Compatibility Statement is the document that Metro relies on to determine that an application to Metro for a solid waste facility license or franchise is compatible with the applicant's local land use approval.

**WHEN IS A LUCS REQUIRED?** A completed LUCS should accompany each application for a new Metro solid waste facility license, or franchise and any application for a change of authorization to add new activities to an existing license or franchise.

**HOW TO COMPLETE A LUCS:** The applicant must fill out Section 1 of the form and then submit the form to the local city or county planning office where Section 2 is completed. The local planning office will determine if the facility meets local land use requirements concerning planning and zoning. The applicant then submits the LUCS to Metro as part of its license or franchise application.

**WHERE TO GET HELP:** Questions on the Metro LUCS can be directed to Metro Solid Waste Compliance and Cleanup Division staff responsible for processing the Metro license or franchise application at (503) 797-1835.

### SECTION 1: To be completed by the applicant:

<b>1. Applicant Information</b>		
Facility Name:	Pioneer Recycling Services	
Company Name:	Pioneer Recycling Services, LLC.	
Location Address:	Mailing Address:	
16810 SE 120 <sup>th</sup> Ave Clackamas, OR 97015	4109 192 <sup>nd</sup> St E Tacoma, WA 98446	
Contact Person:	Dave Clausus	
Phone Number:	Fax Number:	E-mail:
916-205-3136	N/A	daveclausus@pioneerrec.com

# Land Use Compatibility Statement (LUCS)

Solid waste application supplemental form



**Metro**

600 NE Grand Ave.  
Portland, OR 97232  
503-797-1835

2. Site Description			
Tax Lot(s): <i>22E14B 03502</i>	Section: <i>14B</i>	Township: <i>2S</i>	Range: <i>2E</i>

3. Description of the type of facility, the solid wastes to be accepted and the activities to be undertaken		
<p>A. Check all the proposed solid wastes to be accepted in the left column "Proposed waste streams". In the "Activity code" column to the right, insert the letter(s) of all the proposed activities from the list of codes (a-g) corresponding to each waste stream:</p>		
<u>Proposed waste streams</u>	<u>Activity code(s)</u>	<u>Proposed activities and codes:</u>
<input type="checkbox"/> Putrescible mixed solid waste (i.e. residential garbage)	<input type="checkbox"/>	a) Material recovery (source separated)
<input type="checkbox"/> Food waste (source separated vegetative or non-vegetative)	<input type="checkbox"/>	b) Material recovery (mixed dry waste)
<input type="checkbox"/> Yard debris	<input type="checkbox"/>	c) Composting
<input type="checkbox"/> Wood waste (clean wood waste)	<input type="checkbox"/>	d) Reload / transfer
<input type="checkbox"/> Wood waste (painted or treated)	<input type="checkbox"/>	e) Chipping & grinding
<input type="checkbox"/> Non-putrescible mixed solid waste (dry mixed waste)	<input type="checkbox"/>	f) Other (explain in detail)
<input checked="" type="checkbox"/> Other (explain in detail) <i>Comingled Residential Source Separated Recyclables</i>	<i>a</i>	g) NA (not applicable)
<p>B. Description of proposed solid wastes to be accepted and proposed waste-related activities. Please describe in detail the activity you plan to perform on <u>each</u> waste you accept. Add additional pages if necessary.</p> <p><i>Receipt, sorting, storage &amp; shipping of comingled residential &amp; commercial source separated recyclables.</i></p>		

4. This land use approval is being sought in conjunction with application to Metro for (check all that apply)			
New <input type="checkbox"/>	Amended <input type="checkbox"/>	License <input checked="" type="checkbox"/>	Franchise <input type="checkbox"/>

**SECTION 2: To be completed by a city or county planning official:**

1. Name of city or county that has land use jurisdiction
<i>Clackamas County</i>

2. The proposed facility is located (check all that apply)	
<input type="checkbox"/> Inside city limits	<input checked="" type="checkbox"/> Inside UGB
<input checked="" type="checkbox"/> Outside city limits	<input type="checkbox"/> Outside UGB

# Land Use Compatibility Statement (LUCS)

Solid waste application supplemental form



**Metro**

600 NE Grand Ave.  
Portland, OR 97232  
503-797-1835

### 3. Consistency with local comprehensive plan and zoning ordinance

- This facility is not regulated by the local comprehensive plan and zoning ordinance.
- This facility has been reviewed and **is** consistent with the local comprehensive plan and zoning ordinance.
- This facility has been reviewed and **is not** consistent with the local comprehensive plan and zoning ordinance.
- Consistency of this facility with the local comprehensive plan and zoning ordinance cannot be determined until the following local approval(s) are obtained:
  - Conditional Use Approval       Development Permit
  - Plan Amendment                       Zone Change
  - Other

An application has been made for the local approvals checked above:

Yes  No

### Local Government Planning Official - Reviewer Information:

Signature: *Rick McIntire*

Print Name: Rick McIntire

Title: Sr. Planner

Date: 6/05/18

Telephone Number: 503-742-4516

E-Mail: rickmci@clackamas.us

# Property Use Consent

Solid waste application supplemental form



**Metro**

600 NE Grand Ave.  
Portland, OR 97232  
503-797-1835

SUBMIT THIS FORM TO:

Metro  
Solid Waste Compliance and Cleanup  
600 NE Grand Avenue  
Portland, OR 97232-2736  
Tel: (503) 797-1835  
Fax: (503)813-7544  
[SWCC@oregonmetro.gov](mailto:SWCC@oregonmetro.gov)

**Metro use only**

**DATE RECEIVED:**

**DATE DEEMED COMPLETE BY METRO:**

## Property Use Consent

1. Property Owner.	
Name:	Wymore Transfer Company, Inc
Mailing Address:	12651 SE Capos Road
City/State/Zip:	Clackamas, OR 97015
Phone Number:	503 - 256 - 2693

2. Site Description.			
Tax Lot(s):	<del>22E14B</del> 03502	Section:	15
		Township:	2S
		Range:	2E
Address:	16810 SE 120 <sup>th</sup> Ave, Clackamas, OR 97015		

3. Describe the applicant's proposed use of this property.
Processing of source separated commingled residential & commercial recyclables

4. Describe the property interest held by the prospective Licensee or Franchisee (Applicant).
Rent property

5. Describe the duration of the interest.
10 yr lease expires 12-5-2024

# Property Use Consent

Solid waste application supplemental form



**Metro**

600 NE Grand Ave.  
Portland, OR 97232  
503-797-1835

**APPLICANT CERTIFICATION:**

An authorized agent of the applicant must sign this form. Metro will not accept a form without a signature.

*I certify that the information contained in this form is true and correct to the best of my knowledge. I agree to notify Metro within 10 days of any change in the information submitted as a part of this application.*

SIGNATURE OF AUTHORIZED AGENT *Dave Claugus*

TITLE *Vice-President Pioneer Recycling Services, LLC.*

PRINT NAME *Dave Claugus*

DATE *5-29-18* PHONE *916-205-3136*

**PROPERTY OWNER(S):** This form cannot be processed without a signature.

*"I consent to the applicant's proposed use of this property as described on this form. I have also read and agree to be bound by the provisions of Section 5.01 of the Metro Code if the applicant is granted a franchise or license and that franchise or license is subsequently revoked or if renewal of that franchise or license is refused." Metro Code Section 5.01 states: "Upon revocation or refusal to renew the Franchise or License, all rights of the Franchisee or Licensee in the Franchise or License shall immediately be divested."*

*I certify that the information contained in this form is true and correct to the best of my knowledge. I agree to notify Metro within 10 days of any change in the information submitted as a part of this application.*

SIGNATURE *Jeff Brown*

PRINT NAME *Jeff Brown*

DATE *6/4/18* PHONE *503 221-2274*

SIGNATURE \_\_\_\_\_

PRINT NAME \_\_\_\_\_

DATE \_\_\_\_\_ PHONE \_\_\_\_\_