# STORMWATER POLLUTION CONTROL PLAN

# STANDARD STEEL, LLC

Prepared for

#### **STANDARD STEEL, LLC**

SITE NAME: STANDARD STEEL, LLC SITE OPERATOR: STANDARD STEEL, LLC DEQ PERMIT FILE NO.: \_\_\_\_\_\_ EPA PERMIT NO.: \_\_\_\_\_\_ PRIMARY SIC CODE: 5051 SITE CONTACT: GAGE MARTIN PHONE NO.: 971-276-5578 EMAIL: GMARTIN@STANDARDSTEELNW.COM SITE PHYSICAL ADDRESS: THERE NE COLUMBIA BLVD. PORTLAND, OREGON 97211 MULTNOMAH COUNTY

> September 26, 2022 Project No. M2371.01.001

Prepared by Deniz Varcin, PE Maul Foster & Alongi, Inc. 3140 NE Broadway Street, Portland, OR 97232

### STORMWATER POLLUTION CONTROL PLAN

STANDARD STEEL, LLC The material and data in this plan were prepared under the supervision and direction of the undersigned.

MAUL FOSTER & ALONGI, INC.

\_\_\_\_ Deniz Varcin, PE Project Engineer

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# STANDARD STEEL, LLC, CERTIFICATION

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 the 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.

Eric Morillo

Ent Wondo Executive Vice President/General Manager

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# STORMWATER POLLUTION CONTROL PLAN CHECKLIST

SITE NAME	SITE NAME: STANDARD STEEL, LLC			DEQ FILE NO.
Permit Sc	hedule	SWPCP Required Element	Page No.	Comments (Official Use Only)
New Discharger	Condition I.1.a or b	A new discharger to an impaired water without a TMDL must meet one of the conditions in this section of the permit to obtain coverage	NA	
Signature	A.8.b.	Signed and certified in accordance with 40 CFR 122.22	Ш	
		Plan date	I	
		Name of the site	I	
		Name of the site operator or owner	I	
		Name of the person(s) preparing the SWPCP	I	
Title Page	A.10.a.	DEQ File No. and EPA Permit No.	I	
		Primary SIC code and any co-located SIC codes	I	
		Contact person(s) name, telephone number, and email	I	
		Physical address, including county	I	
		Mailing address if different	I	
General Location Map	A.10.b.i.(1)	General location of the site in relation to surrounding properties, transportation routes, surface waters, and other relevant features.	2	
		Drainage patterns, with flow arrows	Figure 2	
		Conveyance and discharge structures, such as piping or ditches	Figure 2	
		Exact location of all monitoring points labeled with a unique three-digit identifying number starting with 001, 002, etc.	Figure 2	
		Outline of the drainage area for each discharge point	Figure 2	
		Paved areas and buildings within each drainage area	Figure 2	
		Locations of discharge points if different from monitoring points	Figure 2	
		Areas used for outdoor manufacturing, treatment, storage, or disposal of significant materials	Figure 2	
		Areas of known or discovered significant materials from previous operations	2	
		Existing structural control measures for minimizing pollutants in stormwater runoff	Figure 2	
Site Map*		Structural features that reduce flow or minimize impervious areas	Figure 2	
(please identify	A.10.b.i (2-19)	Material handling and access areas	Figure 2	
clearly)	(2 17)	Hazardous waste treatment, storage, and disposal facilities	NA	
		Location of wells including waste injection wells, seepage pits, drywells	Figure 2	
		Location of springs, wetlands, and other surface waterbodies both on-site and adjacent to the site	NA	
		Location of groundwater wells	NA	
		Location and description of authorized nonstormwater discharges	10	
		Location and description of spill prevention and cleanup materials	Figure 2 and 6	
		Locations of the following materials and activities if they are exposed to stormwater and applicable:		
		Fueling stations	NA	
		Vehicle and equipment maintenance cleaning areas	NA	
		Loading/unloading areas	Figure 2	
		Locations used for the treatment, storage, or disposal of wastes	NA	
		Liquid storage tanks	NA	

Permit Schedule		SWPCP Required Element	Page No.	Comments (Official Use Only)
		Processing and storage areas	Figure 2	
		Immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste materials, or by-products used or created by the facility	NA	
		Transfer areas for substances in bulk	NA	
		Machinery	Figure 2	
		Locations and sources of run-on to your site from adjacent property	Figure 2	
	A.10.b.ii	A description of industrial activities conducted at the site and significant materials stored, used, treated, or disposed of in a manner which exposes those activities or materials to stormwater. Include in the description the methods of storage, usage, treatment, or disposal	2	
	A.10.b.iii	Location and description, with any available characterization data, of areas of known or discovered significant materials from previous operations	2	
Site	A.10.b.iv	Regular business hours of operation	2	
Description*	A.10.b.v	For each area of the site where a reasonable potential exists for contributing pollutants to stormwater runoff, a description of the potential pollutant sources that could be present in stormwater discharges and if associated with a co-located SIC code	2	
	A.10.b.viiii	An estimate of the amount of impervious surface area (including paved areas and building roofs) and the total area drained by each stormwater discharge point to be reported in area units	3	
	A.1.k	Nonstormwater discharges	10	
		A description of control measures installed and implemented to meet the technology and water quality-based requirements and any applicable sector-specific requirements in Schedule E	5	
	A.10.b.vi	A description of how the stormwater-control measures address potential pollutant sources from industrial activities and significant materials, on-site, spills, and leaks and authorized nonstormwater discharges	5	
Site	A.1.a	Minimize exposure	5	
Controls*	A.1.b	Oil and grease	5	
	A.1.c	Waste chemicals and material disposal	5	
	A.1.d	Erosion and sediment control	6	
	A.1.e	Debris control	6	
	A.1.f	Dust generation and vehicle tracking	6	
	A.1.g	Housekeeping	6	
	A.10.b.vi	Include known maintenance schedules and frequency of housekeeping measures	9	
	A.1.h and A.10.c	Spill Prevention and Response Procedures:	6-9	
		Procedures for preventing and responding to spills and cleanup and notification procedures	6-9	
Procedures and Schedules	A.10.c.i	Indicate who is responsible for on-site management of significant materials and include their contact information	6-9	
		Spill prevention plans required by other regulations may be substituted for this provision if the spill prevention plan addresses stormwater management concerns and the plan is included with the SWPCP	6-9	
	A.1.h.v	Develop procedures for expeditiously stopping, containing and cleaning up leaks, spills, and other releases	6-9	
	A.1.h.vi	Documentation and notification, including OERS number	6-9	

Permit Schedule		SWPCP Required Element		Comments (Official Use Only)
		Preventive Maintenance:	9-10	
	A.1.i and A.10.d	Procedures for conducting inspections, maintenance, and repairs to prevent leaks, spills, and other releases from drums, tanks, and containers exposed to stormwater	9-10	
		Schedules or frequency of maintaining all control measures	9-10	
		Schedules of waste collection	9-10	
		Operations and Maintenance:	9	
	A 10 c	Include an operation and maintenance plan for active treatment and passive treatment systems	9	
	A.10.e	Include system schematic, manufacturer's maintenance and operations specifications	9	
		Include routine maintenance standards and schedules	9	
		Employee Education:	10	
	A.10.f	Develop and maintain an employee orientation and education program to inform personnel of the pertinent components and goals of this permit and the SWPCP	10	
	A.1.j	Orientation no later than 30 calendar days of hire or change in duties, annually thereafter	10	
		Include a description of the training content and the required frequency	10	
Tier 2 Status	A.10.b.vii	Facility triggered Tier 2 under current permit: A description of stormwater treatment controls or source controls, including low impact development, in response to corrective action requirements and operation and maintenance procedures	NA	
		Include safety sheets for any stormwater treatment chemicals or substances used in stormwater treatment and stored on site	NA	
Receiving		The name(s) of the receiving water(s), latitude and longitude of discharge points, and applicable SIC code, if facility has co-located operations	4	
Waters	A.10.b.ix	If discharge point is to a municipal storm sewer system, name(s) and latitude and longitude of the receiving water and municipality	4	
Monitoring Points*		The identification of each discharge point and the location(s) where stormwater monitoring will occur as required by Schedule B.6	3-4	
	A.10.b.x	Existing discharge points excluded from monitoring must include a description of the discharge point(s) and data or analysis supporting that the discharge point(s) are substantially similar as described in Schedule B.7.c.ii	NA	
*Some facilitie applicable, e	es must meet s nsure that the	ector-specific requirements (Schedule E) and include additional information in SWPCP includes the sector-specific information.	SWPCP, includii	ng the site map. If

		For Official Use Only		
New applicant:	🗆 Yes 🗆 No			
Nou diasharran		New discharger to impaired waters condition met:	$\Box$ Yes	□ No
New discharger:		Outstanding Resource Water discharger:	□ Yes	🗆 No
Existing facilities:	🛛 Yes 🗆 No	\$WPCP update per renewal:	□ Yes	🗆 No
		SWPCP update per Schedule A.9:	□ Yes	🗆 No
		Facility triggered Tier II under previous permit term:	□ Yes	🗆 No
		Facility triggered Tier II under current permit term:	□ Yes	□ No
Schedule E Requirements:	□ Yes □ No	Schedule E additional information in SWPCP and site plan	□ Yes	🗆 No
Date received:		Plan Accepted:	□ Yes	□ No

# Reviewed by: \_\_\_\_\_

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#### LIMITATIONS

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#### APPENDIX A

SPILL REPORT FORMS

#### APPENDIX B

MONTHLY STORMWATER INSPECTION AND MAINTENANCE REPORT

#### APPENDIX C

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EMPLOYEE TRAINING DOCUMENTATION FORM

APPENDIX D PH RECORDS This Stormwater Pollution Control Plan (SWPCP) was prepared on behalf of Standard Steel, LLC (Standard Steel), consistent with the National Pollutant Discharge Elimination System Stormwater Discharge Permit No. 1200-Z (the Permit) issued to Standard Steel by the Oregon Department of Environmental Quality (DEQ) for stormwater discharges from the Standard Steel facility located at 1745 NE Columbia Boulevard in Portland, Oregon (the site).

This SWPCP addresses the requirements of the Permit with an effective date of July 1, 2021. This SWPCP is prepared consistent with the SWPCP requirements outlined in the Permit Schedule A and the provisions of Title 40, Code of Federal Regulations (CFR), Part 122, and serves as a guidance document for Standard Steel personnel to manage the quality of stormwater discharged from the site to the receiving waters.

#### 1.1 Revisions and Reviews

This SWPCP must be kept current and updated to reflect any substantial changes to the site controls or industrial activities. This SWPCP will be updated within 30 days after changes are made and will be reviewed within 30 days after receipt of results from a sampling event that indicate an exceedance of a Permit benchmark.

This SWPCP and all revisions will be kept on site. Revisions to this SWPCP will be submitted to the City of Portland (City) Bureau of Environmental Services (BES) only if the revisions are made for any of the following reasons:

- A change in site contact
- 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 that may significantly increase the pollutant(s) levels, discharge frequency, volume, or flow rate
- Changes to the monitoring points or discharge points

If BES does not comment within 30 days of receipt of the revised SWPCP, the proposed revisions will be deemed accepted. BES approval is not required prior to implementation of proposed control measures, except for changes in monitoring points.

## 2.1 Site Location

The Standard Steel facility is located at 1745 NE Columbia Boulevard in Portland, Oregon (see Figure 1). The site is approximately 1.5 miles east of Interstate 5, approximately 2 miles of south of the Columbia Slough.

### 2.2 Site Description

Site features are shown in Figure 2. The site topography slopes generally to the west. Most of the facility is covered with impervious surfaces including asphalt, buildings, and material storage area. The north side of the site consists of a vegetated berm and two infiltration swales are located along the western site boundary. A vegetated infiltration trench is located along the eastern site boundary.

Facility buildings are constructed from painted metal. Facility roofs are constructed from painted metal and tar paper roof. Office building and processing buildings are located on the eastern portion of the site. The storage shed where metal products are stored is located on the northern portion of the site. The employee parking area is located on the southern portion of the office building. The steel materials outdoor storage area is located at the center of the site.

Three covered dumpsters and two small, covered garbage bins are located adjacent to the processing building. These dumpsters contain municipal waste and recyclables. A dumpster containing scrap steel is located on the western side of outdoor materials storage area. A diesel aboveground storage tank (AST) is located in the east part of the site within containment and under cover. The diesel tank was installed by the previous owner and has not been used by Standard Steel.

#### 2.3 Industrial Activities

The industrial activities conducted on site are classified with a primary Standard Industrial Classification (SIC) code of 5051. Industrial activities include carbon steel products including angles to flat bar and plate to expanded metal, product storage, and steel cutting services conducted in the processing building and sales. Steel is brought to the site by trucks, unloaded, and stored in storage shed prior to being processed in the processing building. Regular business hours for the facility are weekdays from 8:00 a.m. to 5:00 p.m.

### 2.4 Historical Activities and Materials

Case Power & Equipment formerly occupied the site and removed/decommissioned underground storage tanks under the supervision of DEQ's Underground Storage Tank Program. Detections of petroleum hydrocarbons in soil and groundwater in the underground storage tank area and a former

wash pad drainage system prompted multiple subsequent soil and groundwater investigations and soil removal activities between 1990 and 2003.

In 2014, NCJ Enterprises entered DEQ's Voluntary Cleanup Program to complete a site-wide investigation. DEQ approved a subsurface investigation work plan in April 2014. DEQ determined that the site-wide investigation conducted in 2014 to evaluate environmental contamination at the Case & Power Equipment site was complete, and no further action is required. The entire site is paved, and the remaining contaminants do not have contact with stormwater.

### 2.5 Significant Materials and Potential Pollutants

Figure 2 shows the locations where stored significant materials could be exposed to stormwater. A summary of the significant materials stored on site and the container volumes is provided below:

- Up to 150 gallons of diesel is stored in a covered aboveground storage tank and within secondary containment
- Approximately 225 yards of steel are stored outdoors

Generally, potential pollutants in stormwater at the site are associated with outdoor steel material storage. The potential pollutants are listed below:

- Galvanized surfaces (e.g., roofs, siding, vents, fencing) and vehicle and equipment tires are potential sources of zinc in stormwater.
- Vehicle and equipment brake pads are a potential source of copper in stormwater.
- Scrap metal dumpsters are a potential source of metals in stormwater.
- Leaks/spills of motor oil, gasoline, diesel, antifreeze, and hydraulic fluids from equipment and from trucks and other vehicles are potential sources of oil sheen and oxygen demand in stormwater.
- Decaying vegetation and soil erosion from unvegetated, pervious areas are potential sources of phosphorus, oxygen demand, and suspended solids in stormwater.
- Traffic and soil erosion are potential sources of iron in stormwater.
- Wildlife waste is a potential source of phosphorus and *Escherichia coli* (E. coli) in stormwater.

#### 2.6 Site Stormwater System

The site consists of four drainage areas, as shown in Figure 2 and described in the following sections. Most of the stormwater runoff generated on site infiltrates into the ground.

## 2.6.1 Drainage Area 1

Drainage Area 1 consists of the north and west portions of the site. This area is approximately 3.03 acres; 2.45 acres are impervious (pavement and roofs). The paved outdoor storage area west of the processing building sheet flows into two infiltration swales along the western property boundary. Runoff from the paved area south of the storage shed drains into two catch basins that also discharge to the infiltration swales.

The infiltration swales have a subsurface perforated pipe and rock gallery that detain and infiltrate stormwater. This subsurface infiltration system is an underground injection control (UIC) measure and is registered with the DEQ as UIC 11576. The swales are designed to infiltrate a ten-year, 24-hour storm event. An overflow grated manhole that is connected to the City storm sewer system discharges stormwater in excess of the swales infiltration capacity via Discharge Point 001.

Roof runoff from the west part of the processing building roof and from the storage shed roof flows into a sedimentation manhole that discharges directly into the infiltration gallery.

#### 2.6.2 Drainage Area 2

Drainage Area 2 consists of the central-east portion of the site and includes the east side of the processing building and the paved area east of the building. This area is approximately 0.46 acres and consists of 0.42 acres of impervious surfaces. Roof and pavement runoff sheet flows into a vegetated infiltration trench along the east property line and infiltrates into the ground without discharging off site (i.e., there is no Discharge Point 002).

#### 2.6.3 Drainage Area 3

Drainage Area 3 consists of the southeastern portion of the site. This area is approximately 0.18 acres and consists of 0.17 acres of impervious surfaces (pavement). Drainage Area 3 receives off-site runon from NE Columbia Boulevard. Runoff from this area flows into a single catch basin. The discharge point of this catch basin has not been delineated and Standards Steel plans to work with a private utility locate service and/or a sewer video inspection contractor to delineate the discharge point. It is currently assumed that this catch basin discharges to the City storm line on NE Columbia Blvd via Discharge Point 003.

#### 2.6.4 Drainage Area 4

Drainage Area 4 consists of the south portion of the site. This area is approximately 0.34 acres and 0.07 acres of it is landscape while the remaining 0.27 acres are impervious (roofs and pavement). This area consists of a portion of the office roof and an employee and visitor parking lot; industrial activities are not conducted at this area and this area is not covered by the Permit or this SWPCP. A catch basin located in the employee parking lot discharges to the City's storm sewer on NE Columbia Blvd via Discharge Point 004.

# 2.7 Stormwater Monitoring Points

Stormwater samples are collected from two monitoring points (see Figure 2):

- Monitoring Point 001 is a grated overflow manhole located upstream of Discharge Point 001 that discharges overflows in excess of the infiltration swale capacity. This monitoring point is expected not to discharge during most storms.
- Monitoring Point 003 is a catch basin in the southeast corner of the site.

#### 2.8 Receiving Waters

Standard Steel's stormwater system discharges City storm sewer along NE Columbia Boulevard and NE 17th Avenue via Discharge Points 001, 003, and 004; to the City storm sewer. The City storm sewer eventually discharges to the Columbia Slough via City Outfall 65A (OF65A). The latitude and longitude of City OF65A are 45.581997 N and -122.648144 W.

# 3 SITE CONTROL MEASURES

The following operational and structural source control and treatment measures are implemented at the site, consistent with the narrative technology-based effluent limits listed in Schedule A of the Permit and requirements listed in Permit Schedule E. This section also describes the infiltration swales at the site.

#### 3.1 Minimize Exposure

Standard Steel implements structural and operational source control measures to minimize the exposure of stormwater runoff to potential pollutants.

- To the extent practicable, industrial activities (including use or storage of associated materials) that have the potential to contaminate stormwater are conducted indoors or under cover. However, it is not practicable to store all materials indoors and some steel is stored in a designated outdoor storage area.
- All cutting and steel processing activities are performed indoors.
- To the extent practicable, materials and products that are stored outside the buildings are stored under cover.
- Leaking or leak-prone equipment is stored indoors, to the extent practicable, or equipped with absorbent materials or drip pans.

• Leaks and spills are promptly cleaned up to minimize potential stormwater exposure to them.

### 3.2 Oil and Grease

No fueling activities are conducted at site. No oil and grease have been observed on the site. Standard Steel will continue regularly visually inspecting the site and, if observed, implement oil and grease controls to reduce oil and grease sheen in stormwater discharged from the site.

### 3.3 Waste Chemicals and Materials Disposal

Waste bins or dumpsters are equipped with lids and closed when not in use.

Scrap metal is stored in a drop box with a cover (i.e., tarp), then picked up by an outside service and transported to an off-site recycling facility.

Municipal and nonhazardous wastes are picked up by a municipal waste management provider and disposed of at a Subtitle D landfill.

### 3.4 Erosion and Sediment Control

Most of the site is paved or covered with a roof, and pervious areas are vegetated, to the extent practicable, to minimize erosion. Paved surfaces are swept by Standard Steel staff to remove sediment.

### 3.5 Debris Control

Standard Steel implements an ongoing inspection program to monitor for discharges of debris and litter into the stormwater system. Debris and litter are picked up upon discovery and placed in an appropriate disposal container. A pavement sweeper is used to remove accumulated debris from paved surfaces.

## 3.6 Dust Generation and Vehicle Tracking of Industrial Materials

Most of the site, including all vehicle and equipment traffic areas, is paved to minimize generation and off-site tracking of dust, soil, particulates, raw/final products, and wastes. The pavement is swept to minimize the potential for vehicle tracking of materials off site.

### 3.7 Housekeeping

Standard Steel implements a rigorous housekeeping program that includes pavement sweeping to remove solids, fluids, and debris from paved surfaces; prompt cleanup of leaks or spills; and regular maintenance of facility vehicles and equipment. The housekeeping program ensures that particulate matter, dust, and debris from industrial sources are promptly cleaned up, especially from areas where materials are loaded and unloaded, stored, or otherwise handled. Materials and products are stored in designated areas and in appropriately labeled containers.

## 3.8 Spill Prevention and Response Measures

Standard Steel is committed to the prevention of leaks and spills, and Standard Steel personnel are trained to respond to spills and leaks promptly and safely. Spill kit is maintained on site to allow for prompt and safe spill response (see Figure 2).

#### 3.8.1 Spill Prevention

Standard Steel is committed to spill prevention and recognizes that the primary causes of spill incidents are operational errors and equipment failures. Operational errors are minimized through proper training of on-site personnel and employee understanding of spill prevention procedures. Employees are also trained in equipment handling techniques and the proper transfer of liquids from bulk containers to avoid potential leaks and spills. Facility equipment is routinely inspected and maintained. No fueling activities are conducted at site.

Equipment failures are minimized through proper equipment selection, maintenance, and inspections. Equipment is inspected during monthly inspections of the site. Equipment maintenance activities are conducted in an indoor, designated maintenance shop/area, away from the stormwater system and adjacent to a spill kit.

The following measures are implemented to prevent spills at the site:

- Keep container lids securely fastened.
- Clearly label containers to facilitate proper response in the event of a spill.
- Do not leave fueling or transfer activities unattended.
- Use pads, drip pans, and appropriate transfer equipment (e.g., "suckers") when transferring fluids.

#### 3.8.2 Spill-Response Procedures

Spill kit containing oil-absorbent booms, pads, and granular clay absorbent are located by the 120 gallon diesel tank (see Figure 2). In the event of a spill, immediate response is required to prevent the spill from entering the stormwater system:

- Immediately assess the situation, including, to the extent possible, the source of the spill, the spilled material nature and hazards, and proximity to the stormwater system or pervious areas of the site, including the infiltration swales and trench.
- If the spill is minor (i.e., can be contained and cleaned up safely and with spill-response materials available on site), proceed with the spill-response procedures listed in the following section, and report to Gage Martin when cleanup is complete.

• If the spill is major (i.e., cannot be contained and cleaned up safely and with spill-response materials available on site), contact Gage Martin immediately. Gage Martin will contact a qualified spill-response contractor as soon as possible and notify the appropriate agencies.

#### 3.8.2.1 Minor Spill Response

To respond to a minor spill, immediately locate a spill kit and implement measures to contain the spill and divert it from the stormwater system or pervious/infiltration areas. Notify Gage Martin as soon as possible. Spill-response actions may include:

- Surrounding the perimeter of the spill with oil-absorbent booms or berms of loose absorbent material.
- Placing absorbent pads or loose absorbent material to absorb the spill.
- Using oil-absorbent booms or berms of loose absorbent material to isolate nearby drainage structures to reduce the potential for the spill to reach the stormwater system.
- Cleaning up all spill-response materials. If the material quantity is small (approximately one spill kit), the materials may be placed in a plastic bag and disposed of in a municipal dumpster. If the material quantity is too large to fit in a bag, it is placed in a designated, labeled, and covered container (e.g., drum with lid) prior to disposal at a permitted facility.

#### 3.8.2.2 Major Spill Response

To respond to a major spill, immediately notify Gage Martin, who will coordinate cleanup and seek assistance from an outside contractor, if necessary.

#### 3.8.2.3 Notifications

All spills must be reported to Gage Martin, who will determine if additional notifications are necessary.

Gage Martin	
EMERGENCY RESPONSE NOTIFICATION	
National Response Center	
Oregon Emergency Response System (OERS)	
City of Portland Spill Notification Hotline	

EMERGENCY RESPONSE CONTRACTOR	
NRC Environmental Services	.800-33-SPILL

#### 3.8.2.4 Reporting

All pertinent information related to a reportable spill must be recorded on a Spill/Release Report form (see Appendix A). This information includes but is not limited to a description of the event, the

equipment or procedural failures that led to the spill, cleanup measures implemented, available analytical data, and future physical and/or procedural changes that will be implemented to mitigate the potential for future releases. Gage Martin is responsible for reporting any spill that exceeds a reportable quantity, consistent with the following guidelines:

- Petroleum product spills of any amount that are likely to contact waters of the state (Columbia Slough, groundwater, and stormwater system) must be reported within one hour to the National Response Center, OERS, and the City Spill Notification Hotline.
- Petroleum product spills greater than 42 gallons to land (including soil, gravel, or asphalt, but not indoor areas that do not have the potential to reach waters of the state) that are not likely to contact waters of the state must be reported within one hour to OERS and the City Spill Notification Hotline.
- Release of hazardous materials equal to or greater than the quantity listed in <u>40 CFR Part 302</u> (<u>Table 302.4—List of Hazardous Substances and Reportable Quantities</u>) requires immediate notification of the National Response Center, OERS, and the City Spill Notification Hotline.
- Spill response to non-reportable spills may be documented on the Non-Reportable Spill Report form (see Appendix A).

#### 3.9 Preventive Maintenance

Standard Steel implements a preventive maintenance program that regularly evaluates the condition of drainage areas and pollution controls to minimize the potential for discharging pollutants with stormwater. At minimum, the preventive maintenance program includes the following:

- Monthly inspections of the stormwater management system, including the pollution-control measures.
- The sedimentation manhole is cleaned out annually
- The catch basin is cleaned out annually
- Pavement is swept annually
- The overflow inlet should be inspected quarterly for clogging, obstructions, debris, oil and grease. If water ponds over the overflow inlet for more than 2 hours after a major storm, the inlet may be clogged and the inlet should be cleaned out.

### 3.9.1 Infiltration Swale and Trench Maintenance

The two infiltration swales and trench are inspected and maintained consistent with an Operations and Maintenance Plan that is kept on site and summarized below.

• The infiltration swale and trench will be inspected and maintained quarterly and within 48-hours after each major storm event (1.0 inch of rain within 24 hours) and quarterly maintained.

- The infiltration swale and trench, sedimentation manhole and storm system will be inspected for clogging, obstructions, debris oil and grease and cracks and leaks.
- The overflow inlet is quarterly inspected for clogging, obstruction, debris, oil and grease. If water ponds over the overflow inlet for more than 2 hours after a major storm event, the inlet might be clogged and the obstruction should be removed.

#### 3.9.2 Monthly Stormwater Inspections

Monthly inspections of the facility stormwater system and drainage areas are conducted to evaluate the condition of site control measures. Inspections focus on:

- Visual inspection of the site and identification of sources of pollutants (i.e., industrial materials, residue, or waste) to which stormwater is exposed. New sources of pollutants must be added to this SWPCP.
- Leaks or spills from equipment, vehicles, AST, and other containers.
- Off-site tracking of 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 to these materials.
- Evidence of, or the potential for, pollutants entering the drainage system or receiving waters.
- Evaluation of the condition of source control measures and the need for maintenance and/or repairs, including the spill kit.
- Visual observations of stormwater at the monitoring points (see Figure 2), when discharge is occurring during regular business hours, for the presence of floating and suspended solids, foam, visible oil sheen, odor, color, or other obvious indicators of stormwater pollution. Conduct visual observations by collecting a stormwater sample(s) in a clean, colorless glass or a plastic container and observing it in a well-lit area.

Monthly inspections and maintenance activities are recorded on the Monthly Stormwater Inspection and Maintenance Report (Appendix B).

### 3.10 Pollutant Mass Reduction (Stormwater Infiltration) and Treatment Measures

The north and south swales were installed in 2015 to infiltrate stormwater runoff from most of the site. The swales include 18 inches of soil to filter the runoff prior to infiltration, a perforated storm pipe to properly distribute stormwater and a rock infiltration gallery which is an underground reservoir consisting of drain rock that retains stormwater while infiltrating directly to the ground. The swales are designed to infiltrate a ten-year, 24-hour storm event. An overflow grated manhole that is connected to the City storm sewer system discharges stormwater in excess of the swales infiltration capacity via Discharge Point 001.

The vegetated infiltration trench that is located in Drainage Area 2 receives all the runoff generated in Drainage Area 2 and infiltrates to the ground.

### 3.11 Employee Education

A continuing program of employee orientation and education is implemented to raise awareness about site-specific control measures and prompt and safe response to a spill or accident. Standard Steel personnel are informed of the goals of this SWPCP and control measures such as:

- Good housekeeping and debris/litter control
- Measures to minimize exposure of stormwater runoff to potential pollutants
- Erosion- and sediment-control measures
- Waste storage and disposal
- Oil- and grease-control measures
- Spill prevention and response
- Preventive maintenance of equipment and stormwater-control measures
- Unauthorized discharges to the stormwater system
- Infiltration swale and trench maintenance
- Stormwater monitoring, inspections, reporting, and recordkeeping

This training is included with new-employee orientation (within 30 days of the start of employment) and is repeated annually as part of the facility safety training program. A sample employee education documentation form is included in Appendix C.

#### 3.12 Nonstormwater Discharges

There are no known unauthorized nonstormwater discharges at the site. The following nonstormwater discharges are authorized under the Permit (none of these discharge to the site stormwater system):

- Landscape watering, provided pesticides and fertilizers are conducted in accordance with manufacturers' instructions.
- Potable water, including water line flushing.
- Pavement washwaters in which 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 washwater from surfaces that were swept immediately prior to washing.
- Routine external building wash-down water that does not use detergents or hot water.
- Fire hydrant flushing.
- Discharges from firefighting activities (this would only be discharged to the site stormwater system in the event of a fire and associated fire fighting activities).
- Uncontaminated condensate from air conditioners, coolers, and chillers and other compressors.

- Exterior vehicle washwater that does not use hot water or detergent; restricted to a maximum of eight vehicles washed per week.
- Uncontaminated groundwater 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).

#### 3.13 Iron Control Measures

Soil erosion is a potential source of iron in stormwater. Standard Steel site is all paved and no soil destabilization activities are conducted at the site. If the soil becomes exposed, Standard Steel will stabilize all exposed soil that has the potential to discharge. Standard Steel will demonstrate compliance with the erosion- and sediment-control measures outlined in this SWPCP and the Permit erosion-control narrative limit.

# 4 REPORTING AND RECORDKEEPING

### 4.1 Discharge Monitoring Report

Stormwater monitoring results (analytical sampling data and field pH measurements) are reported to BES and submitted consistent with the deadlines outlined in the table below, along with laboratory reports and records of pH meter calibration and field measurements (see Appendix D).

Laboratory reports should include the analytical results and methods, the minimum detection level, and the laboratory quality assurance/quality control results.

pH records should include the date and time of pH meter calibration, the date and time of sample collection, and the pH measurement (demonstrating that pH was measured within 15 minutes of sample collection). pH meter calibration and field measurements are documented using the form in Appendix D.

DMRs are submitted for each reporting quarter, even if no monitoring was conducted during the quarter or when monitoring waivers have been granted for all monitoring points and parameters.

Reporting Quarter	Reporting Months	DMR Due Date
1	July-September	November 15
2	October-December	February 15
3	January–March	May 15
4	April–June	August 15

A Tier 2 geometric mean benchmark evaluation is reported on the August 15 DMR each year unless a monitoring waiver has been granted (see Section 4.2).

### 4.1.1 Monitoring Variance Requests

If the minimum number of samples is not collected because "no discharge" occurred during regular business hours, a monitoring variance will be submitted with the second and fourth reporting quarter DMRs, unless the Permittee has submitted a Tier 2 mass reduction measures certification and demonstrated that their infiltration facility can infiltrate at least the Tier 2 design storm (such facilities are exempt from sampling overflows and monitoring variance requests).

The monitoring variance request must include photo documentation, rain gauge data, storage volumes, storm infiltration rate or retention capacity, or a demonstration that rainfall was 20 percent or more below the three-year average rainfall. Variance requests have to be submitted along with the February 15 and August 15 DMRs.

#### 4.2 Monitoring Waivers

Permittee may request a monitoring waiver after completing a full year of monitoring under the following circumstances:

- The geometric mean of five consecutive and qualifying sample results is equal to or below the applicable statewide or sector-specific benchmarks.
- For pH, qualifying sample results are within the permitted range for five consecutive readings.
- When impairment monitoring results for total iron indicate non-detect for four consecutive qualifying samples, or when after two full reporting years all qualifying sample results are equal to or below the impairment monitoring concentrations.

Permittee must request the monitoring waiver in writing and include the geometric mean concentration calculations and supporting analytical data. Monitoring must continue until the BES approves the waiver in writing. Approved monitoring waivers are in effect until July 1, 2025.

Monitoring waivers do not apply to:

- The first (2021–2022) and last (2025–2026) Permit reporting years
- Visual observations of the discharge
- Impairment monitoring subject to a compliance schedule
- Monitoring for parameters with an established effluent limit

It is the responsibility of Standard Steel to reinstate discharge monitoring under any of the following circumstances or if notified by the BES or agent:

- Monitoring results were improperly used to establish the monitoring waiver or sampling results were incorrect.
- Changes to site conditions are likely to affect stormwater discharge characteristics, such as change in industrial activities and SIC code, manufacturing process change, or an increase in pollutant sources to which stormwater is exposed.
- Additional monitoring has been conducted and the sampling results exceed benchmark(s) or impairment monitoring concentrations.
- The monitoring waiver has expired (July 1, 2025).

The BES may revoke the monitoring waiver based on any of the above conditions, in response to an inspection or corrective action, or upon discovery of the discharge that has caused or contributed to a water quality standard exceedance.

### 4.3 Tier 1 Corrective Action

A Tier 1 Report must be prepared in response to any exceedance of a Permit benchmark or visual observations of the discharge at the monitoring point(s) that shows visible signs of pollution. Such visible signs include the presence of floating and suspended solids, color, odor, foam, visible oil sheen, or other obvious indicators of pollution.

A Tier 1 Report includes:

- A summary of an investigation of the cause of the elevated pollutant levels, including planning or conducting pollutant source tracing activities and ensuring that known or discovered significant materials from previous operations are controlled or removed, or that stormwater is not otherwise exposed to these materials.
- A statement confirming that this SWPCP was reviewed to ensure that the selection, design, installation, and implementation of control measures outlined in this SWPCP are appropriate and properly implemented or whether additional modifications are necessary.
- An evaluation of treatment measures, infiltration devices, and mass reduction measures, including if they were properly installed, maintained, and implemented and whether maintenance, corrections, or modifications are necessary.
- Corrective action (additional control measures or modifications/improvements to existing controls) that will be implemented in response to the benchmark exceedance and the date on which the corrective action was completed or is expected to be completed. Corrective actions must be implemented before the next storm event, if possible, or no later than 30 days after receipt of the monitoring results or completion of the visual observations of the discharge, whichever comes first. Justification for extending the implemented as soon as practicable.

Tier 1 Reports are filed on site and submitted to the BES upon request.

If a Tier 2 corrective action response is triggered and the monitoring results from sampling events conducted prior to implementation of the Tier 2 measures exceed the benchmark for the same pollutant and monitoring point, a Tier 1 corrective action response is not required.

## 4.4 Tier 2 Corrective Action

If the geometric mean of the qualifying sampling results collected at any monitoring point exceeds an applicable Permit statewide benchmark during any reporting year, or if 50 percent or more of the pH measurements collected at any monitoring point during two reporting years is outside the permitted range for pH, a Tier 2 Report, Tier 2 Mass Reduction Waiver Request, or Tier 2 Natural Background Waiver Request must be submitted to the BES no later than December 31 (six months after the end of the reporting year that triggered Tier 2) unless BES approves a later date. The geometric mean of the qualifying samples must be reported on the DMR due by August 15, unless a monitoring waiver is granted. This evaluation consists of reporting all qualifying samples collected during the reporting year and comparing the geometric mean of the sample results to the Permit benchmarks to determine whether Tier 2 corrective action requirements were triggered.

### 4.4.1 Tier 2 Report

The Tier 2 Report must summarize proposed stormwater treatment measures, or a combination of stormwater treatment and source control measures, designed by an Oregon-licensed professional engineer (PE) with the goal of achieving the applicable Permit benchmark. The Tier 2 Report should include a rationale for the selection of the treatment measures, the projected reduction of pollutant concentration(s), and the implementation schedule. The Tier 2 Report must be submitted by December 31 (six months after the end of the reporting year that triggered Tier 2) unless the BES approves a later date. Tier 2 measures must be implemented no later than September 30 (a year and nine months after the Tier 2 Report deadline), unless a later date is approved in writing by the BES. The Tier 2 Report must be stamped by a PE licensed in Oregon.

### 4.4.2 Tier 2 Mass Reduction Waiver Request

A Tier 2 Mass Reduction Waiver Request may be submitted if volume-reduction measures (e.g., infiltration) have resulted or will result in a reduction of the mass load of pollutant(s) in the discharge to below the mass-equivalent of the applicable statewide benchmark. The request must include data and analysis to support the rationale, including a description of the measure(s), a mass load analysis, and expected implementation date(s). The request must be stamped by a PE licensed in Oregon or by a certified engineering geologist.

### 4.4.3 Tier 2 Natural Background Waiver Request

A Tier 2 Natural Background Waiver Request may be submitted if an exceedance of a statewide benchmark is attributed solely to the presence of the pollutant(s) in natural background and is not associated with industrial activities at the site. The request must include the results of investigations

and data collected on or around the site and/or published peer-reviewed studies. It should be noted that these waivers are usually not applicable to developed industrial sites.

#### 4.4.4 Tier 2 Notifications

Standard Steel must notify the BES in writing within 30 days of completion of the Tier 2 measures and submit a revised SWPCP showing the implemented measures.

#### 4.5 Impairment Pollutant Monitoring

Standard Steel is required to monitor for Columbia Slough impairment pollutants.

#### 4.5.1 Iron

If two consecutive qualifying results for samples collected at any monitoring point exceed the impairment concentration for total iron, Standard Steel must implement the following narrative effluent limits:

- Demonstrate compliance with the erosion- and sediment-control measures outlined in this SWPCP and the Permit erosion-control narrative limit, and stabilize all exposed soils that have potential to discharge stormwater.
- Implement quarterly (minimum) sweeping or equivalent methods of cleaning sufficient to minimize the discharge of sediment and debris.
- Clean storm sewer lines, including catch basins, annually. Frequency of cleaning may be reduced to catch basins only after the first annual cleaning, if sources of the iron exceedances are identified and the storm sewer lines are determined not to be a contributing factor. Flushed water and solids must be disposed of properly and not discharged to the stormwater system.
- Install additional source and operational controls, to the extent practicable, to address known sources of iron pollution by removing, replacing, or sealing corroding metal.

Standard Steel must complete the narrative effluent limits no later than 90 calendar days from receiving monitoring results of the triggering event, and must update this SWPCP accordingly.

#### 4.6 Recordkeeping

Records of the following documents are maintained on site for at least three years and are made available to the BES upon request:

- A copy of this SWPCP and revisions.
- A copy of the Permit.
- Permit assignment letter and Permit coverage documents.
- DMRs, laboratory reports, pH calibration, and field sampling notes.

- Inspection reports.
- Employee education materials and records of training.
- Maintenance and repair of stormwater source control and treatment measures.
- Spill or leak of significant material that impacted or had the potential to impact stormwater or surface water, if applicable. Include the corrective actions taken to clean up the spill or leak as well as measures to prevent future problems of the same nature.
- Tier 1 Reports and corrective action implementation records.
- Documentation of any benchmark exceedance and corrective action taken.
- Tier 2 Report and engineering evaluation of infiltration facilities, if applicable.

# MFA LIMITATIONS

The services undertaken in completing this plan were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This plan is solely for the use and information of our client unless otherwise noted. Any reliance on this plan by a third party is at such party's sole risk.

Opinions and recommendations contained in this plan apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this plan.

# FIGURES







ental visual information only and should not s. Only plan sheets approved, stamped and ses. Only plan sheets eer in the state of g

NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

CB CATCH BASIN

ROOF DRAIN

PAVEMENT

LANDSCAPE

PRIVATE STORM SEWER CITY STORM SEWER

# **Site Features** Standard Steel, LLC Portland, Oregon





#### NON-REPORTABLE SPILL REPORT STANDARD STEEL, LLC PORTLAND, OREGON

SPILL INFORMATION	
Spill Location:	
Spilled Substance:	
Quantity Released:	Discovery Date and Time:
Spill Start Date and Time:	Spill Stop Date and Time:
Release to: [] pavement [] stormwater sewer [] grave	el/soil [] swale [] other
Source of spill:	
Spill response and cleanup summary:	
Additional preventive measures taken or planned to m	inimize potential for recurrence:
NOTIFICATIONS	
Spills greater than 42 gallons not likely to reach ground	water or surface water:
Oregon Emergency Response System (OERS)	800-452-0311
City of Portland Spill Notification Hotline	503-823-7180
Spills of any quantity that reach or are likely to reach sto	orm drains, groundwater, or surface water:
National Response Center	800-424-8802
Oregon Emergency Response System (OERS)	800-452-0311
City of Portland Spill Notification Hotline	503-823-7180
Summary of notifications completed:	
Signature of Person Who Prepared the Spill Report	Print Name, Title, and Date

# SPILL/RELEASE REPORT

#### **1—GENERAL INFORMATION**

a.	Company	Name:

b. Address:

c. Company Contact Person: \_\_\_\_\_

d. Phone Number(s):

e. Specific on-site location of the release (include address if different from above):

Please provide a map of the site showing area(s) where the release occurred, any sample collection locations, location of roads/ditches/surface water bodies, etc.

#### **2—RELEASE INFORMATION**

a.	Date/Time Release started: I	Date/Time stopped:	
b.	Release was reported to (specify Date/Time/Name of	of Person contacted where applicable):	
	ODEQ		
	OERS		
	NRC		
	Other (describe):		
c.	Person(s) reporting release:		
d.	Name, quantity and physical state (gas, liquid, solid, o	or semi-solid) of material(s) released:	

#### Please attach copies of material safety data sheets (MSDSs) for released material(s).

- e. The release affected: \_\_\_\_\_Air \_\_\_\_Groundwater \_\_\_\_\_Surface Water \_\_\_\_\_Soil \_\_\_\_Sediment
- f. Name of and distance to nearest surface water body(ies), even if unaffected (include on maps the locations of creeks, streams, rivers, and ditches that discharge to surface water):

Has the release reached the surface water identified above?YesNo	
Could the release potentially reach the surface water identified above?YesNo	
Explain:	

g.	Depth to nearest aquifer/groundwater: Is nearest aquifer/groundwater potable (drinkable)?YesNo					
	Has the release reached the nearest aquifer/groundwater?YesNo					
	Explain:					
h.	Was there a release or potential release to the air?YesNo Explain:					
i.	Was there a threat to public safety?YesNo					
j.	Explain:					
k.	Describe other effects/impacts from the release (emergency evacuation, fish kills, etc.):					
1.	Describe how the release occurred. Include details such as the release source, cause, contributing weather factors, activities prior to or during the release, dates and times of various activities, first responders involved in containment activities:					
3-	-SITE INFORMATION					
a.	Adjacent land uses include (check all that apply and depict on site maps):					

\_\_\_\_Residential \_\_\_\_Commercial \_\_\_\_Light Industrial \_\_\_\_Heavy Industrial

\_\_\_\_Agricultural \_\_\_\_Other (describe): \_\_\_\_\_

b. What is the population density surrounding the site?\_\_\_\_\_

c. Is the site and/or release area secured by fencing or other means? \_\_\_\_\_Yes \_\_\_\_\_No

Soil types (check all that apply):alluvial bedrock c	elaysandy e.)					
Describe site topography:						
-CLEANUP INFORMATION						
Was site cleanup performed? Yes No						
If No, explain:						
Who performed the site cleanup?						
Company Name:						
Address:						
Cleanup Supervisor:						
Phone Number(s):						
Has all contamination been removed from the site?Yes	No					
If No, explain:						
Estimated volume of contaminated soil removed:						
Estimated volume of contaminated soil left in place:						
Was a hazardous waste determination made for cleanup materials?	YesNo					
Based on the determination, are the cleanup materials hazardous wa	stes?					
YesNo If Yes, list all waste codes:						
Was contaminated soil or water disposed of at an off-site location?	YesNo					
If yes, attach copies of receipts/manifests/etc., and provide the following information						
Facility Name:						
Address:						
Facility Contact:						
Phone Number(s):						

i. Is contaminated soil or water being stored and/or treated on site? \_\_\_\_\_Yes \_\_\_\_\_No

If yes, please describe the material(s), storage and/or treatment area, and methods used (attach additional sheets if necessary):

j. Describe cleanup activities, including what actions were taken, dates and times actions were initiated and completed, and volumes of contaminated materials that were removed (attach additional sheets or contractor reports if necessary or more convenient):

#### 5—SAMPLING INFORMATION

Attach copies of all sample data and indicate sample collection locations on maps.

- a. Were samples of contaminated soil collected? \_\_\_\_Yes \_\_\_\_No \_\_\_\_N/A
- b. Were samples of contaminated water collected? \_\_\_\_Yes \_\_\_\_No \_\_\_\_N/A
- c. Were samples collected to show that all contamination had been removed?

\_\_\_\_Yes \_\_\_\_No \_\_\_\_N/A

d. Describe sampling activities and results, and discuss rationale for sampling methods:

#### 6—SPILL REPORT CHECKLIST

# To ensure that you have gathered all pertinent information, please complete the following checklist:

- \_\_\_\_\_ Map(s) of the site showing buildings, roads, surface water bodies, ditches, waterways, point of the release, extent of contamination, areas of excavation, and sample collection locations attached.
- \_\_\_\_\_ MSDSs for released material(s) attached. Note: an MSDS is not required for motor fuels.
- \_\_\_\_\_ Sampling data/analytical results attached.
- \_\_\_\_\_ Receipts/manifests (if any) for disposal of cleanup materials attached.
- \_\_\_\_\_ Contractor reports (if any) attached.

If you would like to submit your report by e-mail, send it to: DOSPILLS@deq.state.or.us.

# APPENDIX B MONTHLY STORMWATER INSPECTION AND MAINTENANCE REPORT



#### MONTHLY STORMWATER VISUAL OBSERVATIONS OF DISCHARGE, SITE INSPECTION AND MAINTENANCE REPORT STANDARD STELL, LLC PORTLAND, OREGON

MONTHLY VISUAL OBSERVATIONS OF STORMWATER DISCHARGE DATE AND TIME:								
Are there floating and suspended solids, foam, oil sheen, color, odor or other obvious indicators of pollution in <u>stormwater</u> <u>discharging from <b>Monitoring Point 001</b>?</u>								
Are there floating and suspended solids, foam, oil sheen, color, odor or other obvious indicators of pollution in <u>stormwater</u> <u>discharging from <b>Monitoring Point 003</b>?</u>								
MONTHLY SITE INSPECTION DATE AND TIME:	MONTHLY SITE INSPECTION DATE AND TIME: Weather:							
Monthly inspections of the drainage areas and stormwater system are conducted to evaluate the condition of site controls. Inspections focus on: • Visual inspection of the facility stormwater system and identification of sources of pollutants to which stormwater is exposed. • Industrial materials, residue, or waste that may have or could come into contact with stormwater. • Leaks or spills from equipment and tanks/drums. • Off-site and internal tracking of waste materials or sediment where vehicles enter or exit the site. • Tracking or blowing of raw or final or waste materials that may have or could come into contact with stormwater. • Evidence of, or the potential for, pollutants entering the drainage system or receiving waters. • Evaluation of the condition of site control measures and the need for maintenance and/or repairs.								
Inspection Item	(Yes/No)	(e.g., De	ailed Description, Source, Corrective Action, and Implementation Date)					
Is sediment/solid accumulation visible on paved surfaces and in need of sweeping?								
Are waste dumpster lids closed or undercover?								
Are there visible discharges, leaks, or spills of petroleum products?								
Are the spill kit properly stocked and in their designated location?								
Is there evidence of unauthorized nonstormwater discharges to stormwater system?								
Is there visible tracking of dust, waste, sediment, or raw materials where vehicles enter or exit the site?								
Do catch basins show significant accumulation of sediment, debris, or oil sheen indicating the need for cleaning?								
Does the infiltration swale or trench vegetation require pruning, removal, and/or replacement?								
Is there evidence of rodent, vehicle damage, or erosion in the infiltration swales or trench?								
Have significant amounts of trash, debris, or sediment accumulated in the infiltration swales or trench and requires removal?								
MAINTENANCE TASKS AND/OR CORRECTIVE ACTION	S IMPLEM	ENTED THI	S MONTH					
Inspected By:		Signature:						
I certify, under penalty of law, that this document and all attachments we qualified personnel properly gather and evaluate the information submitt responsible for gathering the information, the information submitted is, to significant penalties for submitting false information, including the possible	ere prepared ed. Based on the best of n lity of fines a	under my dire my inquiry of ny knowledge nd imprisonm	ection or supervision in accordance with a system designed to assure that the person or persons who manage the system, or those persons directly and belief, true, accurate, and complete. I am aware that there are ent for knowing violations.					

# APPENDIX C EMPLOYEE TRAINING DOCUMENTATION FORM



#### Employee Education Record Standard Steel, LLC PORTLAND, OREGON

Instructor(s)\_

Date and Time of Training

A continuing program of employee orientation and education is maintained to raise awareness about site-specific control measures and prompt and safe response to a spill or accident. This training is included with new-employee orientation (within 30 days of the start of employment) and is repeated annually as part of the facility safety training program.

The undersigned Standard Steel personnel have been informed of the goals of site control measures, including:

- Good housekeeping and debris/litter control
- Measures to minimize exposure of stormwater runoff to potential pollutants
- Erosion- and sediment-control measures
- Waste storage and disposal
- Oil- and grease-control measures
- Spill prevention and control
- Preventive maintenance of equipment and pollution-control measures
- Unauthorized discharges to the stormwater system
- Stormwater monitoring, inspections, reporting, and recordkeeping
- Infiltration swale and trench maintenance
  Employee Name

Employee Signature

# APPENDIX D PH RECORDS



### PH METER CALIBRATION AND PH MEASUREMENT RECORDS Standard Steel, LLC Portland, Oregon

#### PH METER CALIBRATION RECORD

The pH meter must be calibrated before the collection of pH measurements in the field.

Calibration Date and Time:

Calibration Solution 4.01 S.U.

Calibration Solution 7.00 S.U.

Calibration Solution 10.01 S.U.

Calibration Notes:

#### PH MEASUREMENT RECORD

pH must be measured within 15 minutes of sample collection.

Monitoring Point	рН (S.U.)	Sample Collection Date and Time	pH Measurement Date and Time
Monitoring Point 001			
Monitoring Point 003			
Calibrated and Measured By:		Signature:	