

# EDMONDS COMMUNITY COLLEGE STORMWATER MANAGEMENT PROGRAM

[Western Washington Phase II Municipal Stormwater Permit Number](#)

[\(WAR04-5715\)](#)



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## Introduction

This Stormwater Management Program (SWMP) is a required part of the Western Washington Phase II Municipal Stormwater Permit, required by the Department of Ecology in compliance with the provisions of the State of Washington Water Pollution Control Law RCW 90.48, the Federal Water Pollution Control Act Title 33 United States Code, Section 1251, and Municipal Stormwater National Pollution Discharge Elimination System (NPDESA) permit issued to Edmonds Community College. The permit itself is required because EdCC operates a Municipal Separate Storm Sewer System (MS4) on campus.

Edmonds Community College is a Secondary Permittee and must comply with all relevant ordinances, rules and regulations of the local Jurisdiction, which is the City of Lynnwood stormwater, grading and drainage control codes.

- City of Lynnwood Municipal Codes:

Chapter 13.40 - STORMWATER MANAGEMENT

- o <http://www.ci.lynnwood.wa.us/Content/CityHall.aspx?id=218>

- City of Lynnwood Environmental, Surface Water and Stormwater Management Program: <http://www.ci.lynnwood.wa.us/docs/surface-water-comp-plan.pdf>

The Phase II Permit is broken down into six components, and the implementation and enforcement of the six components is collectively referred to as a municipality's SWMP. The six components are:

1. Public Education and Outreach
2. Public Involvement and Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Stormwater Runoff Control
5. Post-Construction Stormwater Management for New Development and Redevelopment
6. Pollution Prevention and Good Housekeeping for Municipal Operations

In addition to these six minimum elements, the NPDES Permit II also requires the following:

1. Compliance with stormwater provisions of approved Total Maximum Daily Loads (TMDLs);
2. Monitoring and program evaluation; and
3. Record keeping and annual reporting.

The SWMP is designed to reduce the discharge of pollutants from municipalities to the maximum extent practicable, to satisfy the state requirement to apply “All Known, Available, and Reasonable methods of prevention, control and Treatment” (AKART) prior to discharge, and to protect water quality. The Phase II Permit requires that specified activities from each category above be completed each year in order to achieve full compliance. The Operation and Maintenance Plan (O & M) developed for EDCC details the required NPDES activities. This detailed listing of annual required activities will represent the plan that EDCC will use to track permit elements that are due in any given year and the resources needed to meet the requirements. The O & M plan will aid in: (1) tracking program implementation; (2) preparing and updating EDCC’s required NPDES Phase II SWMP; and (3) preparing and submitting required annual NPDES Phase II reports to Ecology.

Impacted areas in our surrounding community:

Stormwater runoff may contain high levels of contaminants such as suspended sediment, nutrients, heavy metal, pathogens, toxins, oxygen-demanding substances, and trash. Stormwater upon leaving Edmonds Community College flows into Hall Creek, which flows into Lake Ballinger, overflow drops into McLaeer Creek, which finally flows into Lake Washington.

- Lake Ballinger is a 100 acre lake located within the cities of Mountlake Terrace and Edmonds. The watershed is approximately 3,250 acres.
- McLaeer Creek originates at Lake Ballinger and flows roughly six miles before draining into the northeast corner of Lake Washington just south of Lyon Creek. The drainage basin is approximately 5,700 acres in size and includes portions of Mountlake Terrace, Shoreline, and Lake Forest Park.
  - a. This is a Salmon habitat suitable for Chinook, sockeye, kokanee, and coho salmon, and steelhead, rainbow, and coastal cutthroat trout.

Edmonds Community College has been complying with the federal Clean Water Act by applying for a (NPDES) National Pollutant Discharge Elimination System and State Waste Discharge General Permit with the Department of Ecology. The College filled out a (NOI) Notice of Intent for permit coverage and obtained our Phase II Municipal Stormwater Permit(WAR04-5715) on 12/9/2009.

In addition to regulatory requirements, responsible stewardship and sustainability is an important value here at Edmonds Community College. We began implementation of this program in 2009 and continue review and update each year as needed.

Current program:

## **1. Public Education and Outreach**

Maintain storm drains marked with medallions with planned inspections and maintenance.

*Actions taken 2019*

- Routine inspections and maintenance of storm drain medallions.  
(Re-labeled in 90 days if not visible)

*Planned Actions 2020*

- *Continued maintenance of medallions, including routine inspections and re-labeling within 90 days if not visible.*

To promote awareness and support for stormwater management activities among faculty, staff and students and to show how they can prevent pollution of stormwater. Begin implementing specific public education activities as required.

*Appropriate topics:*

- Educational Information—How stormwater runoff affects local water bodies
- Landscaping Practices – Benefits of using well – adapted vegetation
- Proper use and application of pesticides and fertilizers
- Alternative equipment washing practices, including lawnmowers, cars, and trucks that minimize pollutants in stormwater.
- Proper handling and disposal of wastes, including the location of hazardous waste collection facilities in the area;
- Hazards associated with illicit connections;
- Benefits of litter control and proper disposal of pet wastes.

*Actions taken 2019*

- Student “Green Team” continues to coordinated Trashy Tuesday on campus for assisting in litter pickup and student educational involvement.
- Created flyer and distributed to Residence Hall tenants, in addition to materials already available on the website:  
<http://www.edcc.edu/safety/ehs/household-stormwater-pollution-prevention.html>.

*Planned Actions 2020*

- Publish and distribute educational flyer to students in our housing programs
- Updates to the web page with updated documents as necessary.
- Continued student participation through the Green Team activities.
- Annual pesticide training & certification for all grounds staff.

## **2. Public Participation and Involvement**

### *Required objectives:*

- Make annual report available on permittee's website
- Make available on the permittee website the latest updated version of the SWMP Plan.

### *Actions taken 2019*

- Made available on the web site ([www.edcc.edu/safety/ehs](http://www.edcc.edu/safety/ehs)) college stormwater reports, plans, and documents, as well as educational materials.
- Student Union and Green Team activities with the public including Recycle Mania and on Campus E-Recycle events for the community.

### *Planned actions 2020*

- Maintain updated documents on web site
- Promote stormwater education and program through Green Team activities.
- Annual review of stormwater policy and procedures.

## **3. Illicit Discharge Detection and Elimination**

### *Required objectives:*

- To comply with all relevant ordinances, rules, and regulation of the City of Lynnwood or other local jurisdiction(s) that govern non-stormwater discharges.
- Implement appropriate policies prohibiting illicit discharges and an enforcement plans to insure compliance.
- Maintain storm system map showing locations of all known MS4 outfalls and discharge points.
- Conduct field inspections of at least one third of all known outfalls and discharge points. Keep records of inspections and follow up activities.
- Implement a spill response plan that includes coordination with qualified spill responders.
- Provide staff training or coordinate existing training efforts to include best practices and spills.

### *Actions taken 2019*

- Complied with DOE and local jurisdictional ordinances, rules, and regulations.
- Updated Spill and Illicit Discharge Response Plan March 2019
- M & O plan in place:
  - Existing Grounds department staff kept current their Pesticide Applicators license through yearly educational classes with WSU Pesticide extension department. New grounds staff have been studying and will be taking their test in 2020

- Continued IPM approach to our weed and pest controls which we only use limit pesticide applications as our last line of defense after every other avenue has been researched and the threshold levels become a health and safety risk.
  - Edmonds Community College vehicles are cleaned off campus at car wash facilities. Onsite cleaning of lawns mowers consists of compressed air cleaning of debris and pickup of materials for composting.
  - All relevant staff persons are currently trained in hazardous waste management, including proper waste disposal and spill prevention. Hazardous Waste storage area is properly managed and checked on a weekly basis according to Department of Ecology procedures.
  - Implement Low Impact Development techniques when feasible, including site design, pervious paving, retention of forests and mature trees, water gardens, swales.
  - Grounds staff assigned to quadrants for monitoring and pickup of litter.
- Chemical spill response and emergency management practices are in place to minimize stormwater pollution. Plan is located here: <http://www.edcc.edu/safety/ehs/>
  - All known outfalls for EdCC MS4 system are smaller than the required 24" outfalls for reporting and sampling.
  - Inspection of catch basins, cleaning, and record keeping continued through CMMS.
  - Updated AutoCad map of new MS4 vault installed with new parking lot.
  - MS4 training provide for facilities staff. HazWoper training provided for one staff person in each Facilities department to insure adequate response to hazardous materials spills or illicit discharge concerns.

*Planned Actions 2020*

- Continued training of facilities staff related to stormwater and BMPs.
- Through work order system, continue to develop illicit discharge detection program, monitoring of storm drains, and BMPs related to preventing stormwater pollution.
- Conduct field inspections and visually inspect for illicit discharges at least one third of known outfalls.
- Expand staff training related to MS4 maintenance and stormwater protection BMP.
- Maintain current certification in HazWoper for one person in each facilities shop.

#### **4. Construction Site Stormwater Runoff Control**

*Required objectives:*

- To comply with all relevant ordinances, rules, and regulation of the City of Lynnwood or other local jurisdiction(s) that govern non-stormwater discharges.
- Insure all construction projects under college's functional control obtain NPDES General Permit for Stormwater Discharges associated with Construction Activities, or an individual NPDES permit prior to discharging construction related stormwater.
- Coordinate with local jurisdiction regarding projects owned or operated by other entities which discharge into MS4 and assist with achieving compliance.
- Provide training or coordinate with existing training efforts to educate relevant staff in erosion and sediment control best practices and requirements or hire trained contractors to perform work.
- Coordinate as requested with Ecology or local jurisdiction to provide access for inspection of construction sites or other land disturbances during activities and/or construction period.

*Actions taken 2019*

- Continued compliance with all relevant ordinances, rules and regulations of the City of Lynnwood or other jurisdictions related to construction projects on site.
- Contractors are required to be licensed by the City and comply with all Department of Ecology and local jurisdictional requirements during construction.
- Maintained Permit WAR306632 for SET Building Project

*Planned Actions 2020*

- Continue to comply with DOE and local jurisdictional requirements.

#### **5. Post-construction Stormwater Management for New Development & Redevelopment.**

*Required objectives:*

- To comply with all relevant ordinances, rules, and regulations of the City of Lynnwood or other local jurisdiction(s) that govern non-stormwater discharges.
- Coordinate with local jurisdiction regarding projects owned or operated by other entities which discharge into MS4 and assist with achieving compliance.



*Actions taken 2019*

- Complied with all relevant City of Lynnwood ordinances, rules and regulations of the City that govern post-construction stormwater pollution prevention measures.
- Updated AutoCad map of new parking lot with labeled outfalls, catch basins, bio swales and storm vault.

*Planned actions 2020*

- Continue complying with City of Lynnwood ordinances, rules and regulations.
- Will ensure construction contractors comply with permit as the project ends and stormwater systems are up for sign off.

**6. Pollution Prevention and Good Housekeeping.**

*Required action:*

- Implement O & M plan to minimize Stormwater pollution from activities conducted by the college, including procedures for maintenance of:
  - Stormwater collection and conveyance systems
  - Roads and parking lots
  - Vehicle fleets
  - External building maintenance
  - Open space & parks
  - Material storage facilities and heavy equipment maintenance/storage yards
  - Other facilities that would reasonably be expected to discharge contaminated runoff.
- Permit coverage will include all facilities operated by the college that are required to be covered under NPDES permit that authorizes discharges associated with an activity.
- O & M Plan will include sufficient documentation and records as necessary to demonstrate compliance with the plan requirements.
- College will implement a program designed to train employees whose primary job functions may impact stormwater quality. Training shall address:
  - The importance of protecting water quality
  - Requirements of this permit
  - Operations and maintenance requirements
  - Inspection procedures
  - Ways to perform job activities to prevent or minimize impacts to water quality
  - Procedures for reporting water quality concerns, including potential illicit discharges & spills.

*Actions taken 2019*

- Posted current O&M plan on website

- Reviewed O & M plan with facilities staff.
- Provided training to operational staff.
- Implement plan into day to day operations
- Conducted spot check of stormwater system after major rainfall.

*Planned actions 2020*

- Update facilities staff training on current O & M Plan and best practices.
- Review O & M and update as needed to meet permit requirements.
- Conduct spot check of stormwater system after major rainfall events. Log into CMMS.

**7. Monitor**

*Required action:*

- Monitor all swales, outfalls, and catch basins.

*Actions taken 2019:*

- Monitored storm system, inspect and clean as needed through work order system.
- Updated AutoCad map of inspected catch basins.
- Inspection of filters and necessary replacements completed.

*Planned actions 2020:*

- Continued inspection and filter cleaning of onsite system.
- Monitor storm system, inspect and clean as needed.

**8. Reporting**

Reports filed annually, by March 31 of each calendar year.

**9. Amendments:**

Original Document: Sept 2009

Current version: March 20, 2020

Amendment Log:

**Instructions:**

Include in your records:  
 A log of the date and description of any amendments to your SWPPP.  
 Attached Amendment in Stormwater Management Plan Binder

Fill in the appropriate columns of this table for each amendment to your SWPPP. Copy and paste additional rows into the table as necessary.

| Ame nd. No. | Description of the Amendment              | Date of Amendment | Amendment Prepared by [Name(s) and Title]                        |
|-------------|---|-------------------|--|
| 1           | Pollution Control Plan                    | 3-19-2013         | Stanley Linder<br>(Associate Director<br>Facilities gds & ehs)   |
| 2           | Hazardous Materials Spill Response        | 3-19-2013         | Stanley Linder<br>(Associate Director<br>Facilities gds & ehs)   |
| 3           | StormWater Operations & Maintenance Plan  | 3-19-2013         | Stanley Linder<br>(Associate Director<br>Facilities gds & ehs)   |
| 4           | SWPPP                                     | 3-19-2013         | Stanley Linder<br>(Associate Director<br>Facilities gds & ehs)   |
| 5           | SWMP                                      | 3-20-2013         | Stanley Linder<br>(Associate Director<br>Facilities gds & ehs)   |
| 6           | SWMP                                      | 3/20/15           | Stephanie Teachman, Dir.<br>of Facilities & Capital<br>Projects  |
| 7           | SWMP update                               | 3/13/17           | Stephanie Teachman, Dir.<br>of Facilities & Capital<br>Projects. |
| 8           | Spill and Illicit Discharge Response Plan | 2/28/18           | Daniel Gilroy, Manager,<br>Grounds Department.                   |
| 9           | SWPPP update                              | 2/29/18           | Daniel Gilroy, Manager,<br>Grounds Department                    |
| 10          | SWMP                                      | 3/16/18           | Daniel Gilroy, Manger,<br>Grounds Department                     |
| 11          | SWMP update                               | 3/12/19           | Daniel Gilroy, Manager,<br>Grounds Department                    |

|    |   |             |  |
|----|---|-------------|--|
| 12 | StormWater Operations & Maintenance Plan update | 3/12/19     | Daniel Gilroy, Manger, Grounds Department  |
| 13 | Spill Response Plan update                      | 3/12/19     | Daniel Gilroy, Manger, Grounds Department  |
| 14 | SWWP update                                     | 3/20/2020   | Daniel Gilroy, Manager, Grounds Department |
| 15 | SWPPP update                                    | 3/20/2020   | Daniel Gilroy, Manager, Grounds Department |
| 16 | StormWater Operations & Maintenance Plan update | 3/20/2020   | Daniel Gilroy, Manger, Grounds Department  |
| 17 | Spill Response Plan update                      | 3/20/2020   | Daniel Gilroy, Manger, Grounds Department  |
|    | Insert description of amendment                 | Insert date | Insert name/title                          |