

Washington State University
Health Sciences Spokane
Stormwater Management Program
2022

INTRODUCTION

Stormwater runoff is a leading pollution threat to lakes, rivers, streams, and marine water bodies in urbanized areas of Washington State. The Federal Clean Water Act (CWA) established water quality goals for surface waters. One of the mechanisms for achieving goals of the CWA is the National Pollutant Discharge Elimination System (NPDES) permitting program.

In compliance with the CWA and the State of Washington Water Pollution Control Law, Eastern Washington has an Eastern Washington Phase II Municipal Stormwater Permit (Eastern WA Permit). Washington State University Health Sciences Spokane (WSU Spokane) is identified as a Secondary Permittee of the Eastern Washington Phase II Municipal Stormwater Permit.

As a Secondary Permittee, WSU Spokane is required to have a Stormwater Management Program (SWMP). The SWMP is to incorporate a set of actions and activities comprising components listed in Sections 2 (S2), 4 (S4), 6 (S6) and 9 (S9) of the permit.

SECTION 2. AUTHORIZED DISCHARGES

S2.B: AUTHORIZED NON-STORMWATER DISCHARGES

S2.B. Permit Requirements The Eastern WA Permit identifies specific types of non-stormwater that are authorized to flow to surface or groundwater. Non-stormwater is authorized to discharge to surface waters and groundwaters only under the following conditions:

- Authorized by a separate NPDES permit.
- Emergency firefighting activities.
- From another discharge that is managed as provided by special conditions identified in later sections of the Permit (S5.B.3 and S6.D.3).

Status: Surface water on the WSU Spokane property is designed to enter grass. Surface water from sidewalks is designed to drain to lawns or earthen swales and surface water from parking lots is designed to enter earthen swales. Following are the exceptions:

- **Emergency firefighting water:** In the event of a fire, water from firefighting activities may be sufficient to overflow the earthen swales, so has a potential to enter surface waters.
- **Uncontaminated pumped ground water:** Groundwater collected by sumps in the basement of campus buildings is pumped to drywells on campus lawns.

SECTION 4. COMPLIANCE WITH STANDARDS

S4.F.1: DISCHARGE NOTIFICATION

S4.F.1. Permit Requirements Notify the Washington State Department of Ecology (WA Ecology) in writing within 30 days of becoming aware, based on credible site-specific information that a discharge from WSU Spokane property is causing or contributing to a known or likely violation of Water Quality Standards in the receiving water. Writing notification will be provide written notification that will at a minimum identify the following information:

- Source of the information.
- Description of the nature and extent of the known or likely violation in the receiving waters.
- Reasons why the discharge is believed to be causing or contributing to the problem.

Status: WSU Spokane will comply with WA Ecology notification requirements.

S4.F.3: ADAPTIVE MANAGEMENT RESPONSE

S4.F.3.a. Permit Requirements Review Stormwater Management Practices (BMPs) that are currently being used and submit a report to Ecology including the following:

- Description of the operational and/or structural BMPs that are currently being implemented to prevent or reduce any pollutants causing or contributing to the violation of water quality standards.
- A description of potential additional operational and/or structural BMPs that will or may be implemented to prevent or reduce any pollutants that are causing or contributing to the violation of water quality standards.
- A description of the potential monitoring or other assessment and evaluation efforts that will or may be implemented to monitor, assess, or evaluate the effectiveness of the additional BMPs.
- A schedule for implementing the additional BMPs.

Status: WSU Spokane will comply with WA Ecology notification requirements.

S4.F.3.d. Permit Requirements Include in subsequent annual reports the results of any monitoring, assessment or evaluation efforts conducted during the reporting period.

Status: WSU Spokane will comply with WA Ecology notification requirements.

SECTION 6. STORMWATER MANAGEMENT PROGRAM FOR SECONDARY PERMITTEES

S6.A: IMPLEMENT STORMWATER MANAGEMENT PROGRAM

S6.A. Permit Requirements Develop and implement a Stormwater Management Program (SWMP). The SWMP includes a set of actions and activities comprising the components listed in:

- S6 – Stormwater management program for secondary permittees.
- S7 – Compliance with TMDL Requirements: Any actions necessary to meet the requirements in S7.
- S8 – Monitoring and Assessment: Any actions necessary to meet the requirements in S8.

Status: WSU Spokane has established a SWMP. The SWMP is managed by the WSU Spokane Environmental Health and Safety (EH&S) department.

S6.A.5: WRITTEN STORMWATER MANAGEMENT PROGRAM

S6.A.5. PERMIT REQUIREMENTS Prepare a written SWMP Plan.

Status: WSU Spokane has authored a written SWMP Plan. This plan is reviewed and updated annually.

S6.D.1: PUBLIC EDUCATION AND OUTREACH

S6.D.1a. Permit Requirements Storm drain inlets owned and operated by WSU Spokane that are located in maintenance yards, in parking lots, along sidewalks, and at pedestrian access points shall clearly be labeled with a message similar to “Dump no waste – Drains to waterbody”.

As identified during visual inspection and regular maintenance of catch basins, or as otherwise reported to WSU Spokane, any inlet having a label that is no longer clearly visible and/or easily readable shall be relabeled within 90 days.

Status: Currently all catch basins are labeled on campus or are relabeled as needed. Facilities operations maintains a data base of catch basin locations. As catch basins are found that need to be relabeled Facilities Operations re-labels them within 90 days (weather permitting).

S6.D.1.b. Permit Requirements Each year WSU Spokane shall distribute educational information on the impact of storm water discharges on receiving waters, and steps that can be taken to reduce pollutants in stormwater runoff. Where relevant, tenants and residents shall receive education information about the following topics:

- How stormwater runoff affects local waterbodies.
- Proper use and application of pesticides and fertilizers.
- Benefits of using well-adapted vegetation.
- Alternative equipment washing practices including cars and trucks that minimize pollutants in stormwater.
- Benefits of proper vehicle maintenance and alternative transportation choices; 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 waste

Status: WSU Spokane has developed an education and outreach stormwater quality awareness program for campus stakeholders and university visitors (the public) to reduce and/or eliminate practices that cause or contribute to adverse impact to stormwater.

Distribution of Educational Information to campus stakeholders is conducted by:

- Informational emails and mailing to campus stakeholders.
- The WSU Spokane Safety Committee.
- Trainings sponsored by the Environmental Health and Safety Department (EH&S) for faculty and staff (Records are kept on individuals who participate).
- Distribution of education literature and pamphlets (City of Spokane, EPA, DOE, WSU Spokane developed)
- Bulletin Board Postings
- The WSU Spokane EH&S website has information on stormwater quality awareness.

S6.D.2. PUBLIC INVOLVEMENT AND PARTICIPATION

S6.D.2.a. Permit Requirements Make annual report available on website no later than May 31 each year.

Status: The annual report is maintained on the WSU Spokane EH&S website at the following address: <https://spokane.wsu.edu/facilities/environmental-health-and-safety/stormwater-management/>

S6.D.2.b. Permit Requirements Make the latest updated version of SWMP Plan available on website no later than May 31 each year.

Status: The latest updated version of the SWMP Plan is maintained on the WSU Spokane EH&S website at the following address: <https://spokane.wsu.edu/facilities/environmental-health-and-safety/stormwater-management/>

S6.D.3: ILLICIT DISCHARGE DETECTION AND ELIMINATION

S6.D.3.a. Permit Requirements Comply with all relevant City of Spokane ordinances, rules and regulations that govern non-stormwater discharges.

Status: WSU Spokane complies with all relevant City of Spokane ordinances, rules and regulations that govern non-stormwater discharges.

S6.D.3.b. Permit Requirements Implement appropriate policies prohibiting illicit discharges and an enforcement plan to ensure compliance with illicit discharge policies. These policies shall address at a minimum: illicit connections; non-stormwater discharges including spills of hazardous materials; and improper disposal of pet waste and litter.

Status: WSU has developed and published enforcement policies in the Safety Policies and Procedures Manual, 6.58 Stormwater Management. These policies allow no waters to enter storm drains aside from those listed in the Eastern Washington Phase II Municipal Stormwater Permit.

Allowable Discharges (S6.D3.b.i)

- Diverted stream flows
- Rising ground waters
- Uncontaminated ground water infiltration (as defined at 40 CRF 35.2005(20))
- Uncontaminated pumped ground water
- Foundation drains
- Air condition condensation
- Irrigation water from agricultural sources that is commingled with urban stormwater
- Springs
- Uncontaminated water from crawl space pumps
- Footing drains
- Flows from riparian habitats and wetlands
- Discharges from emergency firefighting activities in accordance with S2 Authorized discharges
- Non-stormwater discharges authorized by another NPDES or state waste discharge permit

Conditionally Allowable Discharges (S6.D3.b.ii)

- Discharges from potable water sources, including but not limited to water line flushing, hyperchlorinated water line flushing, fire hydrant system flushing and pipeline hydrostatic test water.
- Discharges from lawn watering and other irrigation runoff. These discharges shall be minimized through, at a minimum, public education activities and water conservation efforts.
- Dechlorinated swimming pool, spa and hot tub discharges.

- Street and sidewalk wash water, water used to control dust, and routine external building wash-down that does not use detergents.
- Other non-stormwater discharges shall be in compliance with the requirements of a pollution prevention plan reviewed by the Permittee which addresses control of such discharges.

S6.D.3.c. Permit Requirements Maintain a storm sewer map showing the locations of all known storm drain outfalls and discharge points, labeling the receiving waters, other than groundwater, and delineating the areas contributing runoff to each outfall and discharge point. Make the map (or completed portions of the map) available on request to Ecology and to the extent appropriate to other Permittees.

Status: WSU Spokane has completed a storm sewer map as described and makes updates to the map as needed. The map is available for Ecology upon request.

S6.D.3.d. Permit Requirements Conduct field inspections and visually inspect for illicit discharges at all known municipal separate storm sewer systems (MS4) outfalls and discharge points. Visually inspect at least one third of all known outfalls and discharge points each year. Implement procedures to identify and remove any illicit discharges. Keep records of inspections and follow-up activities.

Status: Field inspections are conducted of all MS4 outfalls and discharge points annually. Records for these inspections are maintained.

Procedures for identifying and removing illicit discharges have been developed and are incorporated in the WSU Spokane illicit Discharge Enforcement Plan. When illicit discharges are identified, either the Department of Ecology will be contacted (per S4F.1 of the permit) or the discharge will be logged into our database and reported at the end of the year in the annual report. Corrective actions will be enforced when it is human or mechanical error that caused the discharge. Note that no illicit discharges have been identified to date.

S6.D.3.e. Permit Requirements Implement a spill response plan that includes coordination with a qualified spill responder.

Status: WSU Spokane has developed and implemented a Spill Response Plan that includes coordination with qualified spill responders for releases that exceed the capabilities of campus resources.

S6.D.3.f. Permit Requirements Provide staff training or coordinate with existing training efforts to educate staff on proper best management practices for preventing illicit discharges.

Status: WSU Spokane EH&S provides training for appropriate staff on best practices for preventing illicit discharges.

SECTION S6.D.4. CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

S6.D.4.a. Permit Requirements Comply with all relevant ordinances, rules and regulations of the local jurisdiction that govern construction phase stormwater prevention measures.

Status: WSU Spokane shall comply with all relevant ordinances, rules, and regulations of the City of Spokane that govern non-stormwater discharges.

S6.D.4.b. Permit Requirements Ensure that all construction projects which require a construction stormwater permit obtain coverage prior to discharging construction related stormwater.

Status: WSU Spokane does not manage construction projects on campus. Construction projects that may result in the discharge of sediments, WSU hires contractors that are granted control of construction and they are required to obtain all required permits, provide appropriate sediment controls and meet all requirements for access and inspection.

S6.D.4.c. Permit Requirements Coordinate with the City of Spokane regarding projects owned and operated by other entities which discharge into the WSU Spokane storm sewer system (i.e. Innovate Washington), to assist the City with achieving compliance with all relevant ordinances, rules, and regulations of the City.

Status: WSU Spokane has been and will continue to be work with the City of Spokane regarding applicable projects.

S6.D.4.d. Permit Requirements Provide training or coordinate with existing training efforts to educate relevant staff in erosion and sediment control best management practices (BMPs) and requirements or hire trained contractors to perform the work.

Status: WSUTC does not manage construction projects on campus. When construction activities may result in creation and discharge of sediment, WSU hires contractors who have Certified Erosion and Sediment Control Leads (CESCLs) on call 24 hours a day as required by the Permit. Control of the construction site is granted to the contractor, and they are required to obtain all required permits and provide appropriate sediment controls and meet all requirements for access and inspection.

S6.D.4.e. Permit Requirements Coordinate as requested with Ecology or the City of Spokane to provide access for inspection of construction sites or other land disturbances, which are under the control of WSU Spokane during the land disturbing actives and /or construction period.

Status: WSU Spokane will coordinate with Ecology and/or the City of Spokane for inspection of construction sites or other land disturbances.

SECTION S6.D.5. POST-CONSTRUCTION STORMWATER MANAGEMENT

S6.D.5.a. Permit Requirements Comply with all relevant ordinances, rules and regulations of the City of Spokane that govern post-construction stormwater pollution prevention measures.

Status: WSU Spokane complies with the City of Spokane post-construction pollution prevention measures.

S6.D.5.b. Permit Requirements Coordinate with the City of Spokane regarding projects owned or operated by other entities which discharge into WSU Spokane's MS4 to assist the City of Spokane with achieving compliance with the City of Spokane's relevant ordinances, rules, and regulations.

Status: WSU Spokane will coordinate with the City of Spokane regarding projects that discharge onto WSU Spokane's property.

SECTION S6.D.6. POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

S6.D.6.a. Permit Requirements Implement a municipal operation and maintenance (O&M) Plan to minimize stormwater pollution from activities conducted by WSU Spokane. The O&M Plan shall include appropriate pollution prevention and good housekeeping procedures for operation, activities and/or facilities that are present within the WSU Spokane boundaries.

Status: WSU Spokane shall develop and implement a municipal operation and maintenance (O&M) plan to minimize stormwater pollution from activities conducted by WSU Spokane. The O&M Plan shall include appropriate pollution prevention and good housekeeping procedures for the following operations, activities, and/or types of facilities.

- Stormwater collection and conveyance systems.
- Roads, highways, and parking lots.
- Vehicle fleets.
- External building maintenance.
- Parks and open space.
- Material storage areas, heavy equipment storage areas, and maintenance areas.
- Other facilities that would reasonably be expected to discharge contaminated runoff.

S6.D.6.b. Permit Requirements WSU Spokane shall have permit coverage for all facilities operated that are required to be covered under the Industrial Stormwater General Permit or other NPDES Permit that authorizes surface water discharges associated with the activity.

Status: WSU Spokane does not currently have facilities that are required to be covered under the Stormwater General Permit. If WSU Spokane will obtain permits as required in the future.

S6.D.6.c. Permit Requirements The O&M Plan shall include sufficient documentation and records necessary to demonstrate compliance with the O&M Plan.

Status: WSU Spokane shall maintain documentation and records necessary to demonstrate compliance with the O&M Plan.

S6.D.6.d. Permit Requirements: Implement a program to train all employees whose construction, operations, or maintenance job functions may impact stormwater quality.

Status: WSU EH&S provides on-going training to applicable employees and assists departments whose functions may impact stormwater quality. The training addresses the following:

- The importance of protecting water quality.
- The requirements of the permit.
- Operation and maintenance requirements.
- Inspection procedures.
- Ways to perform their jobs activities to prevent or minimize impacts to water quality.
- Procedures for reporting water quality concerns.

SECTION 9. REPORTING REQUIREMENTS

S9.A. RECORDS MAINTENANCE

S9.A. Permit Requirements Maintain all records related to this permit for at least five years.

Status: WSU EH&S maintains copies of all documentation related to this permit for a minimum of five years.

Permit Requirements: No later than March 31 or each year submit an annual report.

Status: WSU Spokane EH&S submits annual reports electronically using Ecology's WQWebPortal program.

S9.D. ANNUAL REPORTING

S9.D. Permit Requirements Submit Annual reports to Ecology annually by March 31.

Status: WSU submits annual reports including the following:

- Submittal of the Annual Report form describing the status of implementations of the requirement of the permit during the reporting period.
- Summaries, descriptions, reports and other information as required or as applicable to meet the conditions of this permit during the reporting period.
- Certification and signature.
- Notification of any jurisdictional boundary changes during the reporting period resulting in increase or decrease in WSU Spokane's geographic area of permit coverage.