# STORMWATER MANAGEMENT PROGRAM

**Yakima Valley College**

**April 2022**

# CONTENTS


Introduction ..... 3

Program Components ..... 3

SD.6.1 Public Education and Outreach ..... 4

Public Education ..... 4

S6.D.2: Public Involvement And Participation ..... 5

S6.D.3: Illicit Discharge Detection And Elimination ..... 5

Compliance with Local Jurisdictions: ..... 5

Develop Illicit Discharge Policy: ..... 5

Prohibition (5.6.5 Stormwater Management Manual 2019 Eastern WA) ..... 6

Storm Sewer System Map ..... 6

Field Inspections ..... 6

Spill Response Plan ..... 6

Staff Training ..... 11

S6.D.4: Construction Site Stormwater Runoff Control ..... 11

S6.D.5: Post-Construction Stormwater Management for New Development and Redevelopment ..... 11

S6.D.6: Pollution Prevention and Good Housekeeping for Municipal Operations ..... 12

General Conditions ..... 13

Other Significant Elements of the Permit ..... 13

Citation Page ..... 15

# INTRODUCTION

On January 17, 2007 the Department of Ecology issued the National Pollutant Discharge Elimination System (NPDES) and State Waste Discharge General Permit for Discharges from Small Municipal Separate Storm Sewers (MS4) in Eastern Washington (the Eastern Washington Phase II Municipal Storm Water Permit; herein referred to as this permit). This permit became effective on February 16, 2007 and was renewed for the 2019-2021 permit in 2018. The Phase II Permit automatically applies to cities and counties with populations less than 100,000 located within or partially within a federally designated urbanized area and that operate a municipal separate storm sewer system (MS4), which discharges to a "water" of Washington State (i.e. a river, stream, wetland, etc.). As a result of the City of Yakima's designation YVC is designated as a Secondary Permittee with coverage under the Phase II Permit.

On February 16, 2007 the Department of Ecology received a notice of intent (NOI) for coverage under the Eastern Washington Phase II Municipal Stormwater Permit for Yakima Valley College. The Department of Ecology found the NOI complete and granted the College coverage as of May 11, 2007.

Yakima Valley College's permit coverage number is WAR-04-6201. The geographic extent of coverage for this permit consists of City of Yakima or Yakima County (North, South & West Campuses). The areas excluded from the permit are those campuses located on tribal lands (i.e., Toppenish) and the urbanized area outside of Yakima County (Grandview). (Yakima Campus Map)

# PROGRAM COMPONENTS

The purpose of the Storm Water Management Program (SWMP) is to serve three audiences in the following ways:

1. Department of Ecology
   a) Provides written documentation on how Yakima Valley College will comply with the permit requirements for a Stormwater Management Program as described in the Eastern Washington Phase II Municipal Stormwater Permit; condition S6.A.2
2. The Public
   a) Solicit input and build local support for Yakima Valley Colleges SWMP under the Public Involvement and Participation requirements (S6.D.2)
3. YVC Staff and officials
   a) Educate and build support in order to ensure the understanding of Yakima Valley College's Stormwater Management Program.

The program includes six required components for the Secondary Permittees designed to reduce the discharge of pollutants from the MS4. These components described below are obtained from S6 (Stormwater Management Program for Secondary Permittees) within the Eastern Washington Phase II Municipal Stormwater Permit. Special Conditions S6.D.1 thru S6.D.6 Components:

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.

# SD.6.1 PUBLIC EDUCATION AND OUTREACH

Yakima Valley College shall implement the following storm water education strategies: Label Storm Drain Inlets:

Label Storm drain inlets owned and operated by the College located in any of the following areas:

- maintenance yards
- parking lots
- along sidewalks and
- pedestrian access points

The label will be indicated by the following message "Dump no waste." It will also indicate the point of discharge as a river, lake, bay or ground water.

- At least 50% of the inlets will be labeled no later than 3 years (May 11, 2010) from the date of permit coverage.
    - As of December 2019 the College has identified 73 inlets.
    - As of December 2019 the College has mapped out and identified all storm drain inlets on campus.

Types and quantities are as follows:

1. Catch Basin to Infiltration = 38 total
2. Catch Basin to Stormwater System = 28 total
3. Swale = 7 total
4. Drywell = 7 total
5. Roof Drain = 81total
6. Permeable pavement= 5037 sq. ft.

- All of the inlets shall be labeled no later than 180 days (August 15, 2011) prior to the expiration date of this Permit.
    - All YVC inlet covers are identified with "Outfall to Stream" "Dump no waste" on the cover.
    - The College highlighted each inlet cover with a nontoxic blue paint to call attention to the labeling. Dump no waste to stream
- An inlet having a label that is no longer clearly visible and/or easily readable shall be re-labeled within 90 days.

## Public Education

Each year beginning no later than three years (May 11, 2010) Yakima Valley College tenants and residents shall receive educational information about the following topics:

a. How storm water runoff affects local waterbodies.
b. Proper use and application of pesticides and fertilizers.
c. Benefits of using well-adapted vegetation.
d. Alternative equipment washing practices including cars and trucks.
e. Benefits of proper vehicle maintenance and alternative transportation choices.
f. Proper handling and disposal of wastes, including location of hazardous waste.
g. Collection facilities in the area.

h. Hazards associated with illicit connections.
i. Benefits of litter control and proper disposal of pet waste.

Compliance for this requirement will be achieved through participation in the City of Yakima's (local jurisdiction) public education and outreach programs.

In addition, starting in April of 2022, YVC will be joining the Yakima County Regional Stormwater group and will be providing public outreach to the Yakima Valley College campus and surrounding areas through this regional stormwater group.

# S6.D.2: PUBLIC INVOLVEMENT AND PARTICIPATION

Yakima Valley College will make available the latest updated version of the College's SWMP. The College will post their latest SWMP on their website (www.yvcc.edu/facilities/) as well as include a notice on the website soliciting public review of their plan by no later than May 31, each year and shall post the latest version of the SWMP plan and annual report to the website.

# S6.D.3: ILLICIT DISCHARGE DETECTION AND ELIMINATION

Illicit discharge is all non-Stormwater discharges to storm water drainage systems that cause or contribute to a violation of state water quality, sediment quality or groundwater quality standards.

## Compliance with Local Jurisdictions:

Yakima Valley College will comply with all relevant ordinances, rules and regulations of the City of Yakima (local jurisdiction), in which the College as a Secondary Permittee is located that govern non-Stormwater discharges.

## Develop Illicit Discharge Policy:

As of the 1st year of permit coverage (May 11, 2007); Yakima Valley College has developed an Illicit Discharge Policy. The policy is separate from this plan and is titled SWMP VVC Illicit Discharge Policy.

The policy addresses illicit connections, the disposal of hazardous materials, pet waste and liter, and non Stormwater discharges as defined below:

- Discharges from potable water sources;
    - Waterline flushing
    - Hyper chlorinated water line flushing
    - Fire hydrant system flushing, and
    - Pipeline hydrostatic test water
- Discharges from lawn watering and other irrigation runoff;
    - To be minimized through public education activities and/or water conservation efforts conducted by the City of Yakima (local jurisdiction).

- Street and sidewalk wash water, Water used to control dust, and routine external building wash-down that does not use detergents.
    - To be reduced through public education activities and/or water conservation efforts conducted by the City of Yakima (local jurisdiction).

## Prohibition (5.6.5 Stormwater Management Manual 2019 Eastern WA)

Yakima Valley College will also address possible discharge of Stormwater to UIC (underground injection control) facilities in the following ways:

- Vehicle maintenance, repair and servicing
- Vehicle washing
- Storage or handling of hazardous materials

## Storm Sewer System Map

Yakima Valley College by no later than August 15, 2011 will have a fully developed Stormwater system map showing the locations of the following:

- All known storm drain outfalls
- Labeling of receiving waters, and
- Delineating the areas of contributing runoff to each outfall

## Field Inspections

The College continues to visually inspect for illicit discharges at all known outfalls that discharge to surface waters. At least 1/3 of the total outfalls shall be inspected each year beginning no later than 2 years from the date of permit coverage (May 11, 2009).

Items included in the field inspection:

- Development and implementation of procedures to identify and remove any illicit discharges.
    - See policy SWMP YVC Illicit Discharge Detection & Elimination Procedures.
- Record keeping of inspections and follow-up activities.
    - See policy SWMP YVC Illicit Discharge Detection & Elimination Procedures.

## Spill Response Plan

Yakima Valley College will implement the Yakima County Regional Stormwater Emergency Spill Response Plan and will update the plan annually.

The location of this plan is as follows: www.yvcc.edu/facilities/

## Illicit Discharge Reporting and Tracking

Reporting Hotline:

Reporting of illicit discharges by the general public and government employees is critical to the success of any IDDE program. The illicit discharge hotline phone number (509) 574-2300 and e-mail (PublicServicesIllicitDischarge@co.yakima.wa.us) are maintained by the Regional Stormwater Lead (RSL) and listed on the RSWMP website.

After hours and weekend reporting of threatening discharges (see 2.2 Threatening Discharges) can be made directly to 911 or the Washington State Department of Ecology Central Regional Office (509) 575-2490. Emergency responders or Ecology would contact the local municipality. See Table 2 for additional contact information.

Reporting Hotline Log Database:

A call log database (Figure 3) documenting illicit discharge reports and follow-up actions is maintained by the RSL for the purpose of providing information to investigate reports, plan future monitoring, define specific areas for public outreach, and NPDES permit reporting.

Co-permittees forward calls to the hotline when appropriate, or notify the RSL after illicit discharge calls are received by their jurisdictions. Figure 2 outlines reporting and response when the hotline is used.

## Non-Threatening Discharges

Stormwater program staff from the appropriate jurisdiction will initiate an investigation of a reported illicit discharge, spill, or illegal dumping within **7 days** (on average) if it is described as non-threatening (Ecology 2007). Staff will follow procedures to characterize, trace, and remove any illicit discharge found (see 4. Investigating Illicit Discharges).

## Threatening Discharges

Suspected discharges or spills determined by the co-permittees staff or other qualified personnel to be an **emergency or threat to health, welfare, or the environment should be investigated immediately** and referred to the Department of Ecology regional office once verified (no later than 24 hours)**.**

Local emergency response agencies within Yakima County are supplemented by both a Tri-County Hazardous Materials Response Team and Ecology Regional Spill Response Team. Illegal dumping of hazardous materials is regulated by State Dangerous Waste requirements (WAC 173-303-145) and the Uniform Fire Code.

## Spill Response

While the spiller is always responsible for reporting a spill and immediate efforts to mitigate damages from the spill, city and county staff may also be directly involved in the response.

Upon responding, do not allow the responsible party to leave the scene.

**Specific instructions for staff responding to an emergency include the following:**

1. Stay upwind and uphill from the material.

2. Isolate the area and keep people out.

3. Call 911 or appropriate number for a Hazardous Materials / Fire / EMS response and inform dispatch of what is seen including any of the following:

- Injuries or exposures
- Size and type of vehicle or containers
- Placards, labels, MSDS sheets
- Size of spill and color of material
- If smoke or vapors are coming from the material
- If there is a threat from the material to people or the environment

4. Remain in a safe area and await emergency response.
5. Do not allow responsible party to leave scene.

## Illicit Discharge Reporting and Response

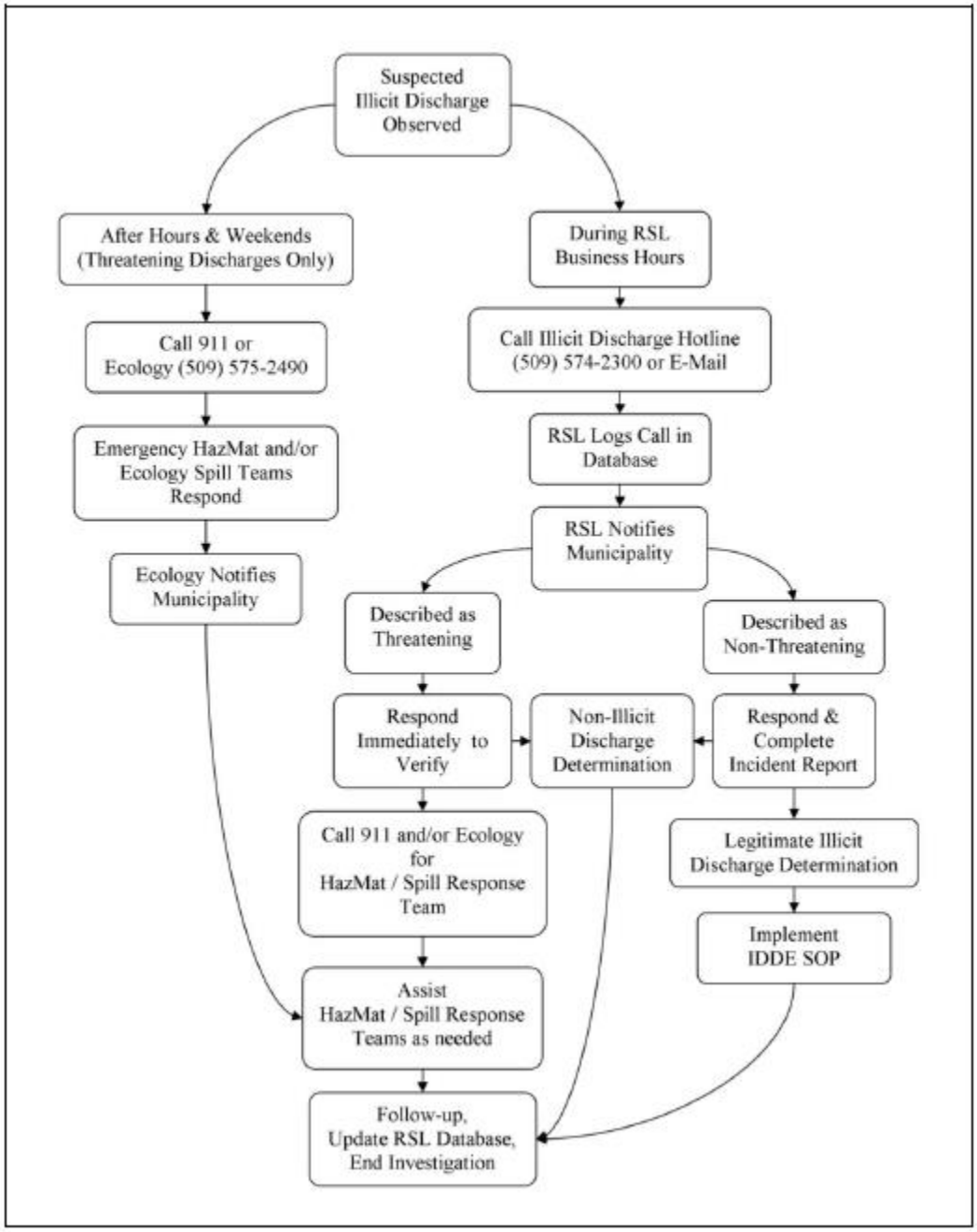


Figure 2. Illicit discharge reporting and response flowchart.

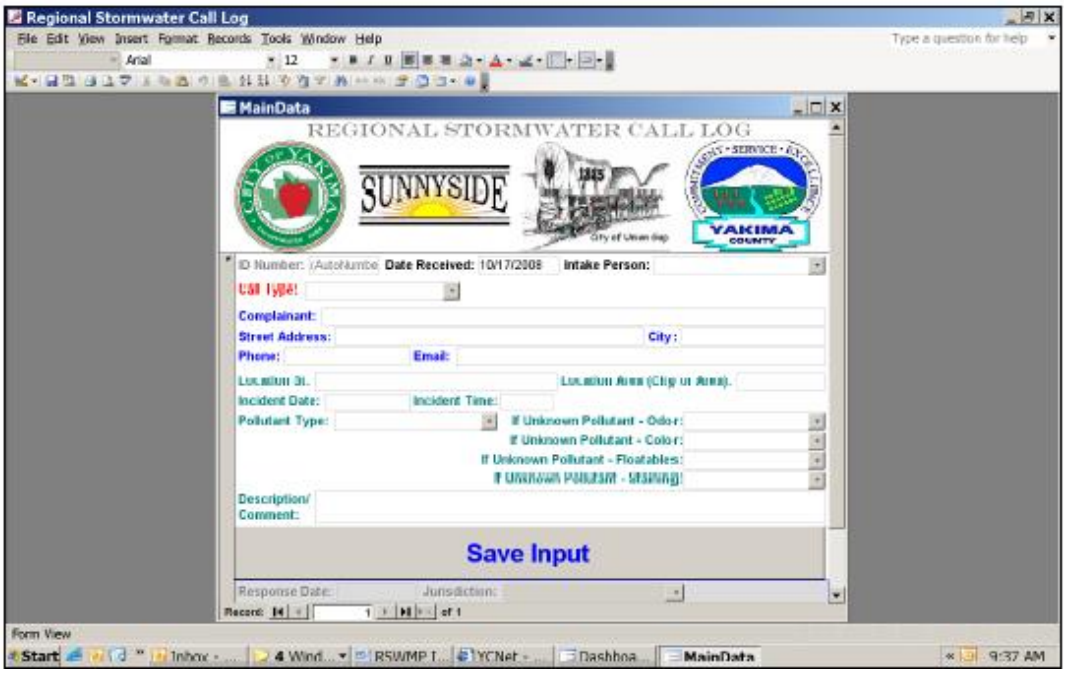

Figure 3. Screenshot of Regional Stormwater Call Log Access Database input form.

Table 2. Contact list including RSWMP members and emergency spill response

| **Contact** | **Phone Number** |
|---|---|
| Yakima Valley College Facility Operations | 509-574-4692 |
| Yakima Valley College Security | 509-574-4610 |
| Yakima County Public Services | (509) 574-2300 |
| City of Yakima Engineering | (509) 575-6111 |
| City of Union Gap Public Works | (509) 225-3524 |
| City of Sunnyside Public Works | (509) 837-5206 |
| Emergency Response | 911 |
| Washington Department of Ecology | (509) 575-2490 |
| Central Regional Office (24 hour & weekends) | |
| Washington Emergency Management Division | 1-800-258-5990 |
| National Spill Response Center | 1-800-424-8802 |

## Staff Training

Yakima Valley College will train the appropriate staff on proper Best Management Practices (BMP) for preventing spills and illicit discharges by incorporating its training into existing/future trainings to be provided by the City of Yakima. New hires will be provided the training as well as existing staff refresher courses.

### Current Training Includes:

- Staff Attended Regional Stormwater training starting November 2016, continuing annually.
- Stormwater Power Point presentations to staff and campus employees starting 11/30/2016 and continuing annually.
    - Update college Stormwater website

Staff training will be on going throughout the duration of the permit. The College will also ensure that each employee will have access to the College's SWMP for reference during the duration of their employment at the College.

# S6.D.4: CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Yakima Valley College will to comply with the following elements as they relate to Construction Site Stormwater Runoff control as indicated below:

a. Comply with all relevant ordinances, rules and regulations of the City of Yakima (local jurisdiction), in which the College as a Secondary Permittee is located that govern construction phase Stormwater pollution prevention measures.
b. Obtain coverage under the NPDES (National Pollutant Discharge Elimination System) General Permit for Stormwater Discharges when the construction project disturbs 1or more acres of land through clearing, grading, excavating, or stockpiling of fill material.
c. Coordinate with the City of Yakima regarding construction projects owned and operated by other entities that have the potential to discharge into YVC's storm drain system.
d. Provide training or coordinate with existing training efforts to educate relevant staff in erosion and sediment control BMP's and requirements or hire trained contractors to perform the work.
e. Coordinate with the Department of Ecology or City of Yakima to provide access for inspection of construction sites or other land disturbances during the active grading and/or construction period.

# S6.D.5: POST-CONSTRUCTION STORMWATER MANAGEMENT FOR NEW DEVELOPMENT AND REDEVELOPMENT

Yakima Valley College will comply with all relevant ordinances, rules and regulations of the City of Yakima that govern post-construction Stormwater pollution prevention measures.

The College will coordinate with the City of Yakima regarding projects owned and operated by other entities which discharge into the College's MS4.

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

The College will be working to develop and implement a municipal operation and maintenance (O&M) plan to minimize Stormwater pollution. The required O&M plan is due by no later than three years from date of permit coverage, required by May 11, 2010. This task will be done working in collaboration with the City of Yakima as well as utilizing the 2004 Stormwater Management Manual for Eastern Washington as a resource in developing this plan.

The O&M Plan shall address; appropriate pollution prevention and good housekeeping procedures for the following operations, activities, and/or types of facilities presently owned and operated by the College:

- **Stormwater collection and conveyance systems:**
    - Catch basins
    - Stormwater sewer pipes
    - Open channels
    - Culverts
    - Structural Stormwater controls
    - Structural runoff treatment and/or
    - Flow control facilities.
- Scheduled inspection and maintenance activities include:
    - Cleaning
    - Proper disposal of waste removed from the system
- Regularly inspect and maintain all structural post-construction Stormwater BMPs to ensure facility function.
- **Roads, highways and parking lots:**
    - Deicing
    - Anti-icing
    - Snow removal practices
    - Snow disposal areas
    - Material
        - Salt
        - Sand
        - Other Chemical
    - All Season BMP's (Best Management Practices)
- **Vehicle Fleets:**
    - Storage
    - Washing and Maintenance:
        - To be conducted in self-contained covered building or designated wash/maintenance area.
- **External Building Maintenance:**
    - Exterior cleaning
    - Washing
    - Painting, and
    - Other maintenance activities
- **Parks and open space:**

    - Proper application of fertilizer, pesticides and herbicides
    - Sediment and erosion control
    - BMP's for landscape maintenance and vegetation disposal
    - Trash Management
- **Material Storage areas, heavy equipment storage areas, and maintenance areas:**
- **Other facilities that would reasonably discharge contaminated runoff:**
- **Train all YVC employees whose construction, operations, or maintenance job functions impact storm water quality will be trained in the following:**
    - The importance of protecting water quality
    - The requirements of this Permit
    - Operation and Maintenance requirements,
    - Inspection procedures
    - Ways to perform their job activities to prevent or minimize impacts to water quality, and
    - Procedures for reporting water quality concerns, including illicit discharges.

# GENERAL CONDITIONS

## G20 Non-Compliance Notification

In the event the College is unable to comply with any of the terms and conditions of the Eastern Washington Phase II Permit, including discharges from the College's MS4, which may cause a threat to human health or the environment the College shall:

- Take appropriate action to correct or minimize the threat to human health or the environment or otherwise stop or correct the condition of noncompliance.
- Notify Ecology, in writing, of the failure to comply with the permit terms and conditions within 30 days of becoming aware of the non-compliance.
- Notify Ecology immediately in cases where the College becomes aware of discharge from the MS4, which may cause or contribute to an imminent threat to human health or the environment.

# OTHER SIGNIFICANT ELEMENTS OF THE PERMIT

## S2 Application for coverage:

Yakima Valley College has already applied for the NOI and was granted coverage.

## S4.F Response to violation of standards:

- Permittee shall notify Ecology in writing within 30 days of becoming aware of discharge from MS4.
    - A single written notification to Ecology will fulfill this requirement
- Should Ecology determine that the discharge from MS4 is in violation the following will occur:
    - Within 60 days of receiving notification, the College shall review SWMP and submit report to Ecology with the following:

- Description of operational and/or structural BMPs that are currently being implemented to prevent or reduce any pollutants causing or contributing to the violation.
- Description of additional operational and/or structure BMPs that will be implemented to prevent or reduce any pollutants causing or contributing to the violation.
- Schedule for implementing the additional BMPs including:
    - Funding
    - Training
    - Purchasing
    - Construction
    - Monitoring, and
    - Other assessment and evaluation components of implementation
- Ecology in writing will either approve additional BMPs and implement schedule or require the College to modify report.
- Immediately upon receipt of written notification of approval by Ecology, the College shall implement the additional BMP's.
- The College shall include with each subsequent annual report a summary of implementation status as well as evaluation procedures collected during the reporting period.
- Should the College implement the approved BMP's, pursuant to the approved schedule, the College would not need to further modify the BMP's or implementation schedule unless directed by Department of Ecology.

- In accordance with G14 of this permit, Ecology may revoke and reissue this General Permit.

## S7 Compliance with Total Maximum Daily Load (TMDL) Requirements:

Yakima Valley College shall comply with applicable TMDL requirements listed in this permit.

## SS Monitoring:

The College will report any Stormwater monitoring data or studies as well as BMP assessment in annual report. Except where TMDL or illicit discharge monitoring requirements apply, no monitoring is required.

## S9 Reporting:

A report for the previous calendar year shall be submitted annually due by March 31st of each year. The College will keep all records related to the permit and the SWMP for at least a 5 year period.

# CITATION PAGE

- Eastern Washington's Phase II Municipal Stormwater Permit
- Certified Mail (70022410000785279367). RE: Notification of Coverage 1under the Eastern Washington's Phase II Municipal Stormwater General Permit No. WAR -04-6201; May 14, 2007.
- Central Washington 2007 Stormwater Management Program and Implementation Checklist
- Port of Chelan County Stormwater Management Program
- Washington State Department of Ecology; Publication Number 07-20-102, page 1
- RE: Notification that Ecology Received Annual Report Submittal Permit# WAR 04-6201; 4/21/08
- RE: Notification of Incomplete Annual Report Submittal Permit# WAR 04-6201;05/16/2008

***Signature Authorization:***

VP of Administrative Services_____Date:_____

Director of Facilities Operations_____Date:_____