

POST FALLS HIGHWAY DISTRICT STORM WATER MANAGEMENT PROGRAM



2013 ANNUAL REPORT

Storm Water Discharges from Small Municipal Separate Storm Sewer Systems

Permit Effective Dates: January 1, 2009-December 31, 2013

Prepared by:

**Ruen-Yeager & Associates, Inc.
3201 N. Huetter Road, Suite 102
Coeur d'Alene, Idaho 83814**

A. PERMITTEE INFORMATION

Permit Number: IDS-028193

Permittee: Post Falls Highway District (PFHD)

Mailing Address: East 5629 Seltice Way

City, State and Zip Code: Post Falls, Idaho 83854

Phone Number: (208) 765-3717

Have any areas been added to the MS4 due to annexation or other legal means? YES **NO**
(If yes, include updated map.)

B. REPORTING PERIOD: January 1, 2013 to December 31, 2013

C. STATUS OF STORM WATER MANAGEMENT PROGRAM

1. Public Education and Outreach:

a. General summary of accomplishments to date:

A flyer was distributed to residents who front District rights-of-way where the MS4 is present. The flyer contains information about Healthy Household Habits for Clean Water and was produced specifically for the District's MS4. In all 115 flyers were mailed. A copy of the flyer and the mailing list are attached.

PFHD has a partnership with the Panhandle Stormwater & Erosion Education Program (SEEP). PFHD has contributed \$1750 to SEEP to date. PFHD displays SEEP brochures at its office and the SEEP trailer is periodically located at its office to serve as advertisement for the program. SEEP field manuals are distributed with utility permits. 3 additional PFHD maintenance staff members became SEEP certified in 2013 – bringing the total to 14 of 14 employees.

PFHD's website received 33,376 total hits in 2013. Eighty of those hits were for the 2012 Annual Report.

PFHD participated in a Multi-Agency Environmental Open House on December 4, 2013 at the Lakes Highway District by setting up a booth regarding the District's Storm Water Management Program and discussing its efforts with other agencies and the public. A PowerPoint training presentation was shown. PFHD has participated in the Open House each year since its inception in 2011.

b. An evaluation of compliance with the requirements of this permit, the appropriateness of identified BMPs, and progress toward achieving identified measurable goals of the SWMP:

Prior to receiving Notice of Violation from EPA sent March 14, 2012, PFHD believed its partnership with SEEP was the most efficient and effective way of implementing a public education and outreach program. The Notice recommended "a more targeted outreach to

specific audiences (e.g. residences along PFHD's storm sewer system)". THE PFHD participated in the local stormwater coalition meeting and sent engineering representatives to work on joint alternative stormwater treatment demonstration project concepts. PFHD believes the flyer mailing completes our requirements and brings us into compliance.

c. Results of information collected and analyzed during the previous 12-month reporting period, including storm water discharge data, surface water monitoring data, and any other information used to assess the success of the program at reducing the discharge of pollutants to the maximum extent practicable:

6 pieces of storm water related literature were distributed to the general public at the District's office in 2011.

15 pieces of storm water related literature were distributed to the general public at the District's office in 2012.

10 pieces of storm water related literature were distributed to the general public at the District's office in 2013.

A summary of the number and nature of inspections and formal enforcement actions performed:

Not applicable for this control measure.

d. A general summary of the activities the permittee will undertake during the next reporting cycle (including an implementation schedule) for each minimum control measure:

PFHD will do the following during the 2014 calendar year:

- Increase staff training for illicit discharge detection and reporting, and prepare maintenance procedures.
- Standard changes working with partners to jointly address MS4/NPDES.
- Mail another stormwater-related flyer or provide similar information to residences along the MS4.
- Make additional contributions to SEEP if needed and participate in SEEP sponsored events.
- Participate in additional educational open houses or presentations regarding storm water pollution prevention and other related topics with local agencies.
- Distribute SEEP BMP field manuals with utility permits.
- Maintain a display of relevant storm water literature at its office and keep track of how many of each piece of literature is distributed. Include educational information regarding illicit discharge.
- Update links to its SWMP information and other sources of storm water related information on its web site.

e. Proposed changes to the SWMP, including changes to any BMPs or any identified

measurable goals for any minimum control measures since previous report or permit application:

The following bullet point was added to the SWMP under Public Education and Outreach/Plan:

- Annually distribute an informational flyer, brochure, or door hanger to residences along the District MS4. This distribution occurred in conjunction with the Environmental Open House.

f. Notice if the permittee is relying on another entity to satisfy some of the permit obligations, if applicable.

Not applicable.

2. Public Involvement/Participation:

a. General summary of accomplishments to date:

PFHD has not held any meetings for the specific purpose of discussing storm water management but continues to hold its regular public meetings. PFHD has attended MS4 coordination meetings for the Coeur d'Alene Urbanized Area on the following dates:

- 2/9/11
- 3/29/11
- 3/29/12

Attendees for these meeting have included representatives from Lakes Highway District, City of Coeur d'Alene, City of Post Falls, ITD, and EPA.

PFHD's website has been updated to include all relevant SWMP documents and Annual Reports.

b. An evaluation of compliance with the requirements of this permit, the appropriateness of identified BMPs, and progress toward achieving identified measurable goals of the SWMP:

PFHD believes it has complied with applicable public notice requirements and with its web site update is in compliance with permit requirement II.B.2.b.

c. Results of information collected and analyzed during the previous 12-month reporting period, including storm water discharge data, surface water monitoring data, and any other information used to assess the success of the program at reducing the discharge of pollutants to the maximum extent practicable:

No information collected.

d. A summary of the number and nature of inspections and formal enforcement actions performed:

Not applicable for this control measure.

e. A general summary of the activities the permittee will undertake during the next reporting cycle (including an implementation schedule) for each minimum control measure:

PFHD will do the following during the 2014 calendar year:

- Continue to attend MS4 coordination meetings.
- Update its website with information relevant to the SWMP as it becomes available.
- Participate/sponsor at one multi-jurisdictional Environmental Open House.

f. Proposed changes to the SWMP, including changes to any BMPs or any identified measurable goals for any minimum control measures since previous report or permit application:

None.

g. Notice if the permittee is relying on another entity to satisfy some of the permit obligations, if applicable.

Not applicable.

3. Illicit Discharge Detection and Elimination:

a. General summary of accomplishments to date:

The PFHD has completed its MS4 map. The map was updated to reflect new culverts observed along Schilling Loop during dry weather screening. It has also completed a Spill Response Plan as part of its SWMP. An EPA flier regarding illicit discharge has been made available to the public at the District office. PFHD maintenance staff attended a SWMP, a joint training session including illicit discharge education with Lakes Highway District on December 4, 2013. The training session included a presentation by the District's consulting engineer regarding MS4 areas and Illicit Discharge Detection and Elimination. This included a question and answer session, an interactive Power Point presentation on outfall protection, maintenance, and good housekeeping.

Dry weather screening was conducted on September 12 and October 4, 2013 on all of the District's outfalls. A report is included with this Annual Report. No illicit discharge was detected. In addition, the Road Supervisor and his assistant continue to monitor the MS4 for illicit discharge during their routine maintenance rounds.

It has been determined that there are no industrial facilities that discharge into the District's MS4.

b. An evaluation of compliance with the requirements of this permit, the appropriateness of identified BMPs, and progress toward achieving identified measurable goals of the SWMP:

PFHD believes that it is in compliance to the best of its ability. PFHD is not able to adopt an illicit discharge ordinance because it does not have authority but will work with Kootenai County, EPA, and IDEQ for correction of observed illicit discharges.

c. Results of information collected and analyzed during the previous 12-month reporting period, including storm water discharge data, surface water monitoring data, and any other information used to assess the success of the program at reducing the discharge of pollutants to the maximum extent practicable:

See attached Dry Weather Screening Report.

d. A summary of the number and nature of inspections and formal enforcement actions performed:

Nothing to report.

e. A general summary of the activities the permittee will undertake during the next reporting cycle (including an implementation schedule) for each minimum control measure:

PFHD will do the following during the 2014 calendar year:

- Visually monitor the MS4 area during routine maintenance rounds.
- Screen all outfalls during July-October in accordance with the Dry Weather Screening Plan. Conduct additional screening in spring and fall during maintenance and monitoring.
- Document and report detected illicit discharges to Kootenai County, EPA and IDEQ in accordance with the Spill Response Plan.

f. Proposed changes to the SWMP, including changes to any BMPs or any identified measurable goals for any minimum control measures since previous report or permit application:

No changes.

g. Notice if the permittee is relying on another entity to satisfy some of the permit obligations, if applicable.

Not applicable.

4. Construction Site Storm Water Runoff Control:

a. General summary of accomplishments to date:

The PFHD is aware of the NPDES Construction General Permit and complies with permit requirements for its own projects. However, there have been no construction projects under PFHD direction that required CGP coverage in the last five years. PFHD will also assist with review & monitoring of private construction projects that discharge to its MS4. PFHD continues its public education and outreach program through a partnership with SEEP in order to meet its requirements for distributing information to local construction site operators.

b. An evaluation of compliance with the requirements of this permit, the appropriateness of identified BMPs, and progress toward achieving identified measurable goals of the SWMP:

PFHD believes it is in compliance to the best of the District's ability, though a lack of construction in the MS4 area has not tested its program. PFHD does not have ordinance authority but will notify Kootenai County and EPA if it becomes aware of potential violations of the Construction General Permit and/or the Kootenai County Site Disturbance Ordinance.

- c. Results of information collected and analyzed during the previous 12-month reporting period, including storm water discharge data, surface water monitoring data, and any other information used to assess the success of the program at reducing the discharge of pollutants to the maximum extent practicable:*

Nothing to report.

- d. A summary of the number and nature of inspections and formal enforcement actions performed:*

Nothing to report.

- e. A general summary of the activities the permittee will undertake during the next reporting cycle (including an implementation schedule) for each minimum control measure:*

PFHD will do the following during the 2014 calendar year:

- Develop NPDES concept standards for possible inclusion in the Associated Highway Districts of Kootenai County Highway Standards
- Comply with CGP requirements for PFHD-constructed projects.
- Review erosion control plans as part of its review process for private projects under PFHD jurisdiction.
- As part of the road inspection process for new private projects, ensure that some level of erosion control is in place during construction.
- Educate staff on construction storm water discharges and direct staff to keep an eye on construction storm water discharges from private projects during road maintenance activities and maintenance rounds.
- Document and report detected illegal construction storm water discharges to EPA and Kootenai County.
- The District will track approach and utility permits within the MS4 and at the time of permit issuance will distribute information regarding storm water BMPs to those projects located in the MS4.

- f. Proposed changes to the SWMP, including changes to any BMPs or any identified measurable goals for any minimum control measures since previous report or permit application:*

The last bullet point listed above was added to the SWMP.

- g. Notice if the permittee is relying on another entity to satisfy some of the permit obligations, if applicable.*

Not applicable.

5. Post-Construction Storm Water Management in New Development and Redevelopment:

- a. General summary of accomplishments to date:*

Ordinances are already in place through Kootenai County, the City of Post Falls and the City of Coeur d'Alene that require post-construction storm water controls for significant private construction projects in PFHD's jurisdiction. PFHD design and construction practices have historically followed the principals of the ordinances. PFHD maintains all drainage facilities within its right-of-way and provides plan review of post-construction storm water designs for projects within its jurisdiction.

The District completed Phase Two of the Spokane Street Drainage Improvements Project during 2013. Phase One was completed in the fall of 2012 and included construction of two grass swales and two drywells and diversion of runoff into one of those swales. The runoff previously was released untreated through Outfall #6. Phase Two includes rerouting of Outfall #6 to the second swale. Discharges through Outfall #6 were eliminated except during periods of high water in the Spokane River. Photos of construction are shown below:



The District recently completed the replacement of a new culvert immediately upstream from Outfall #21. The area upstream and downstream was improved to reduce sedimentation, surcharging, and erosion. The project was completed in the dry season and revegetated. Additional slope protection and permanent erosion controls were installed. Photos of construction are shown below:





- b. An evaluation of compliance with the requirements of this permit, the appropriateness of identified BMPs, and progress toward achieving identified measurable goals of the SWMP:*

The summary above explains how PFHD is in compliance.

- c. Results of information collected and analyzed during the previous 12-month reporting period, including storm water discharge data, surface water monitoring data, and any other information used to assess the success of the program at reducing the discharge of pollutants to the maximum extent practicable:*

Nothing to report.

- d. A summary of the number and nature of inspections and formal enforcement actions performed:*

Nothing to report.

e. A general summary of the activities the permittee will undertake during the next reporting cycle (including an implementation schedule) for each minimum control measure:

PFHD will do the following during the 2014 calendar year:

- Develop concept NPDES standards for new highway standards Associated Highway Districts of Kootenai County.
- Continue to follow local storm water management design principles for PFHD-constructed projects.
- Provide installation inspection of storm water controls for private projects within the right-of-way and those facilities off the right-of-way that discharge to the MS4.
- Continue maintaining all drainage facilities within the right-of-way.
- Monitor private storm water facilities off the right-of-way that discharge to the MS4. Notify the owner and/or appropriate regulatory entity if the facility is not being maintained or is not functioning properly.

f. Proposed changes to the SWMP, including changes to any BMPs or any identified measurable goals for any minimum control measures since previous report or permit application:

None.

g. Notice if the permittee is relying on another entity to satisfy some of the permit obligations, if applicable.

Not applicable.

6. Pollution Prevention and Good Housekeeping for Municipal Operations:

a. General summary of accomplishments to date:

Operation and Maintenance procedures to protect storm water runoff have been formalized into a text document as part of the SWMP. PFHD maintenance staff attended a training session on February 1, 2012 regarding these procedures. The joint staff training session of December 4, 2013 also included information regarding proper municipal O&M procedures. Attendance records are attached to this Annual Report. Three (3) additional PFHD maintenance staff members became SEEP certified in 2013 – bringing the total to 14 of 14.

O&M has been improved through constant training on the Highway District's winter maintenance and snow removal policy. The District will continue to sweep the gutters in the MS4 area this winter as weather permits.

b. An evaluation of compliance with the requirements of this permit, the appropriateness of identified BMPs, and progress toward achieving identified measurable goals of the SWMP:

The O&M procedures have been developed and the District believes this is adequate to cover the requirement for a Stormwater Pollution Prevention Plan for its maintenance facility. The training session fulfills requirement II.B.6.b.

c. Results of information collected and analyzed during the previous 12-month reporting period, including storm water discharge data, surface water monitoring data, and any other information used to assess the success of the program at reducing the discharge of pollutants to the maximum extent practicable:

Nothing to report.

d. A summary of the number and nature of inspections and formal enforcement actions performed:

Nothing to report.

e. A general summary of the activities the permittee will undertake during the next reporting cycle (including an implementation schedule) for each minimum control measure:

PFHD will do the following during the 2014 calendar year:

- Conduct another training session for PFHD employees in late 2014.
- Send additional staff members to SEEP certification classes.

f. Proposed changes to the SWMP, including changes to any BMPs or any identified measurable goals for any minimum control measures since previous report or permit application:

None.

g. Notice if the permittee is relying on another entity to satisfy some of the permit obligations, if applicable.

Not applicable.

D. OTHER REQUIRED DOCUMENTS AND REPORTS

1. Information flyer mailed to residents and mailing list.
2. Updated Storm Water Management Plan text.
3. Updated MS4 Map.
4. 2013 Dry Weather Screening Report.
5. Environmental Open House documentation.
6. Municipal education documentation.

E. CERTIFICATION

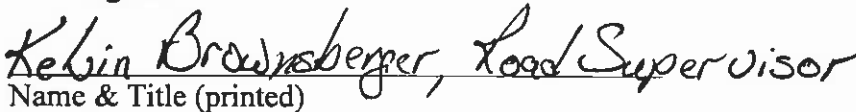
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage 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."



Signature of Permittee (legally responsible person)



Date Signed



Name & Title (printed)

NO DUMPING



DRAINS TO RIVER



**REPORT ILLEGAL
DUMPING OR SPILLS!**

Post Falls Highway District
208.765.3717

Stormwater Pollution

As stormwater flows over driveways, lawns, and roadways, it picks up debris, chemicals, dirt, and other pollutants. Stormwater from your area flows into the Spokane River untreated. Polluted runoff is the nation's greatest threat to clean water.



By practicing healthy household habits, homeowners can keep common pollutants like pesticides, pet waste, grass clippings, and automotive fluids off the ground and out of stormwater.

Healthy Household Habits for Clean Water

Vehicle and Garage

- Use a commercial car wash or wash your car on your lawn to minimize the amount of dirty, soapy water flowing into the river.
- Check your car, boat, and lawn equipment for leaks and spills. Clean up spilled fluids with an absorbent material like kitty litter or sand, and don't rinse the spills into a storm drain.
- Recycle used oil and other automotive fluids. Don't dump these chemicals down the storm drain or dispose of them in your trash. Visit kcgov.us/departments/solidwaste or call 208-446-1430 for disposal information.

Lawn and Garden

- Use pesticides and fertilizers sparingly. Avoid application before rain.
- Sweep up yard debris, rather than hosing down areas.
- Don't overwater your lawn.

Home Improvement

- Sweep up and properly dispose of construction debris such as concrete and mortar.
- Use hazardous substances like paints, solvents, and cautiously. Clean up spills immediately, and dispose of the waste safely.
- Clean paint brushes in a sink, not outdoors.

Pet Care

- When walking your pet, remember to pick up the waste and dispose of it properly.

Septic Systems

- Have your septic system inspected by a professional at least every 3 years, and have the septic tank pumped as necessary (usually every 3 to 5 years).
- Care for the septic system drainfield by not driving or parking vehicles on it. Plant only grass over and near the drainfield to avoid damage from roots.
- Don't flush chemicals, diapers, paper towels, or anything else that could damage the septic system.

Did you know? The EPA regulates the Post Falls Highway District's stormwater discharges through a permit. The permit requires the District to inform the public about stormwater pollution, and to monitor roadside ditches and storm drains for evidence of illicit discharges. For more information, visit www.postfallshd.com.

Post Falls Highway District
5629 E. Seltice Way
Post Falls, Idaho 83854

HUMPHREY JEFFREY C
3839 E 17TH AVE
SPOKANE WA 99223

SCHAEFER, RICHARD JAMES
311 S LOWER CRYSTAL BAY RD
POST FALLS ID 83854

CURRENT RESIDENT
361 S LOWER CRYSTAL BAY RD
POST FALLS, ID 83854

CARLSON NATALIE L
459 S LOWER CRYSTAL BAY RD
POST FALLS ID 83854

CAYKO ROD
2570 E PACKSADDLE DR
COEUR D'ALENE ID 83854

HOAG CHARLES THOMAS
527 S LOWER CRYSTAL BAY RD
POST FALLS ID 83854

MCKITTRICK WALLIS ETAL
10211 E 18TH AVE
SPOKANE WA 99206

GEORGE JAMES C ETUX
11309 W CRYSTAL BAY RD
POST FALLS ID 83854

BRAVO JOHNNY D ETUX
11351 W CRYSTAL BAY RD
POST FALLS ID 83854

MCCLASKEY CAROLYN T
11381 W CRYSTAL BAY RD
POST FALLS ID 83854

SHETLER HILDEGARD E
705 E KOKANEE DR
POST FALLS ID 83854

SCHAEFER RICHARD JAMES
311 S LOWER CRYSTAL BAY RD
POST FALLS ID 83854

SPRUTE GAYLE M
246 S LOWER CRYSTAL BAY RD
POST FALLS ID 83854

CURRENT RESIDENT
547 S LOWER CRYSTAL BAY RD
POST FALLS, ID 83854

WILKINSON KENNETH A
3680 W SELTICE WAY #B
POST FALLS, ID 83854

DETAR THOMAS R ETUX
3135 S SCHILLING LOOP
POST FALLS ID 83854

CURRENT RESIDENT
994 S PENNY LN
POST FALLS, ID 83854

BASSLER RAYMOND E
1031 S PENNY LN
POST FALLS ID 83854

PROCK ARTHUR ETUX
1079 S PENNY LN
POST FALLS ID 83854

HALLS THOMAS
4273 S SCHILLING LOOP
POST FALLS ID 83854

EVANS STEPHEN MICHAEL
943 S PENNY LN
POST FALLS ID 83854

SNIDER LYLE L
962 S PENNY LN
POST FALLS ID 83854

COLLINS TRACY ETUX
887 S PENNY LN
POST FALLS ID 83854

WHEELER DENNIS E
4289 S SCHILLING LOOP
POST FALLS ID 83854

SULLIVAN ERRIN M
4375 S SCHILLING LOOP
POST FALLS ID 83854

KLEMO KEITH W ETUX
927 S PENNY LN
POST FALLS ID 83854

STEINER MICHAEL D
847 S PENNY LN
POST FALLS ID 83854

MAYO R PAUL ETUX
825 S PENNY LN
POST FALLS ID 83854

BERRY BEVERLY J
4419 S SCHILLING LOOP
POST FALLS ID 83854

REINEKE FREDERICK
787 S PENNY LN
POST FALLS ID 83854

KENARY PAUL ETUX
2346 S COMET TRL
POST FALLS ID 83854

TOWNE ROBIN L
767 S PENNY LN
POST FALLS ID 83854

SMITH SCOTT J ETUX
737 S PENNY LN
POST FALLS ID 83854

GROVES MICHAEL J ETUX
2322 S COMET TRL
POST FALLS ID 83854

GRANT PAMELA L ETVIR
691 S PENNY LN
POST FALLS ID 83854

RICHARDS DONALD E ETUX
2253 S COMET TRL
POST FALLS ID 83854

READ LEONARD W
525 S PENNY LN
POST FALLS ID 83854

PAULITZ GREGORY K
547 S PENNY LN
POST FALLS ID 83854

HAWLEY STACY L
567 S PENNY LN
POST FALLS ID 83854

MURPHEY MONTY R ETUX
655 S PENNY LN
POST FALLS ID 83854

GOECKNER CHRIS ETUX
808 S PENNY LN
POST FALLS ID 83854

CONRAD GEORGE D ETUX
752 S PENNY LN
POST FALLS ID 83854

DALE THOMAS AND GAIL M
WORDEN LIVING
706 S PENNY LN
POST FALLS ID 83854

MUSCH BRAD D ETUX
678 S PENNY LN
POST FALLS ID 83854

CURRENT RESIDENT
652 S PENNY LN
POST FALLS, ID 83854

CURRENT RESIDENT
622 S PENNY LN
POST FALLS, ID 83854

ARVID NEIBERGS LIVING TRUST
608 S PENNY LN
POST FALLS ID 83854

COLEMAN PENELOPE
594 S PENNY LN
POST FALLS ID 83854

QUINCY GARY J
572 S PENNY LN
POST FALLS ID 83854

LYBARGER JUANITA R ETVIR
562 S PENNY LN
POST FALLS ID 83854

STAPLETON RICHARD E Jr
14332 W RIVERVIEW DR
POST FALLS ID 83854

JACOBS CYNTHIA ETVIR
14104 W RIVERVIEW DR
POST FALLS ID 83854

HINTHORNE DEBORAH L
12465 W RIO VISTA PLACE
POST FALLS ID 83854

KARWOSKI TIMOTHY
12456 W RIO VISTA PL
POST FALLS ID 83854

FRANKLIN ROBERT G ETUX
12413 W RIO VISTA PL
POST FALLS ID 83854

GALE KEVIN L ETUX
12383 W RIO VISTA PL
POST FALLS ID 83854

CURRENT RESIDENT
12355 W RIO VISTA PL
POST FALLS, ID 83854

ELTON AND PATRICIA WEEKS
LIVING TRUS
14195 W RIVERVIEW DR
POST FALLS ID 83854

CURRENT RESIDENT
14155 W RIVERVIEW DR
POST FALLS, ID 83854

LEBO MICHAELE
PO BOX 2494
POST FALLS ID 83877

HYATT REX A
1099 S SPOKANE ST
POST FALLS ID 83854

BROWNLEE VICKIE L
1063 S SPOKANE ST
POST FALLS ID 83854

ELLISON WILLIAM J
11992 W SPAN WAY
POST FALLS ID 83854

JOHNSON RICHARD E
PO BOX 2288
POST FALLS ID 83877

BOOKAMER KENNETH W ETH
12524 W HUGHES LN
POST FALLS ID 83854

CURRENT RESIDENT
12174 W HUGHES LN
POST FALLS, ID 83854

BARNETT JEFFREY
12173 W HUGHES LN
POST FALLS ID 83854

CURRENT RESIDENT
736 S SPOKANE ST
POST FALLS, ID 83854

LANGER KENNETH W ETUX
12190 W PARKVIEW DR
POST FALLS ID 83854

GETCHIUS THOMAS H
12191 W PARKVIEW DR
POST FALLS ID 83854

HUNTER RONALD J TINA K H/W
12190 W PARK LN
POST FALLS ID 83854

CURRENT RESIDENT
740 S SPOKANE ST
POST FALLS, ID 83854

WISDOM BOBBY L ETUX
12189 W PARK LN
POST FALLS ID 83854

HOFFMAN ROBERT C ETUX
12259 W SPANWAY AVE
POST FALLS ID 83854

WILHELM FAMILY TRUST
12021 W RIVERVIEW DR
POST FALLS ID 83854

FISHER JAMES D
11947 W RIVERVIEW DR
POST FALLS ID 83854

CURRENT RESIDENT
11917 W RIVERVIEW DR
POST FALLS, ID 83854

DECKER FAMILY TRUST
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ROCCA JAMES V
11843 W RIVERVIEW DR
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STIGER ROBERT R ETUX
11831 W RIVERVIEW DR
POST FALLS ID 83854

FOWLER CECIL
PO BOX 2457
POST FALLS ID 83877

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11755 W RIVERVIEW DR
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11717 W RIVERVIEW DR
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CURRENT RESIDENT
11663 W RIVERVIEW DR
POST FALLS, ID 83854

CURRENT RESIDENT
11637 W RIVERVIEW DR
POST FALLS, ID 83854

PHILMAR CORPORATION
11607 W RIVERVIEW DR
POST FALLS ID 83854

GROLLMUS JOHN
11593 W RIVERVIEW DR
POST FALLS ID 83854

SAMMY AND RAMONA STEPHENS
LIVING TRU
11573 N RIVERVIEW DR
POST FALLS ID 83854

HORAN DENNIS ETUX TRUSTEES
560 W CANFIELD AVE #100
COEUR D'ALENE ID 83854

CURRENT RESIDENT
11523 W RIVERVIEW DR
POST FALLS, ID 83854

BINGHAM DWIGHT E ETAL
TRUSTEES
11483 W RIVERVIEW DR
POST FALLS ID 83854

SINGER CRAIG
11463 W RIVERVIEW DR
POST FALLS ID 83854

CLAUSEN CALVIN A
4229 S EVERGREEN RD
VERDALE, WA 99037

ROSTIE CHRISTOPHER M
11385 W RIVERVIEW DR
POST FALLS ID 83854

MELTON JUDSON L ETUX
TRUSTEES
11361 W RIVERVIEW DR
POST FALLS ID 83854

TEFFT LURENE M
11309 W RIVERVIEW DR
POST FALLS ID 83854

MATTIODA SUZANNE M
PO BOX 361
POST FALLS, ID 83877

VAN DYKE STEVEN E
PO BOX 315
ROSALIA, WA 99170

VAN DYKE STEVEN E
PO BOX 315
ROSALIA, WA 99170

RON AND KATHY ANDERSON
FAMILY TRUST
11189 W RIVERVIEW DR
POST FALLS ID 83854

SILBERBERGER CHARLES R ETUX
11171 W RIVERVIEW DR
POST FALLS ID 83854

MAYFIELD KENNETH G
11151 W RIVERVIEW DR
POST FALLS ID 83854

NECHANICKY ROBERT P ETUX
11113 W RIVERVIEW DR
POST FALLS ID 83854

HARMON FAMILY TRUST
11075 W RIVERVIEW DR
POST FALLS ID 83854

ZHONG RUINIAN
PO BOX 3115
POST FALLS, ID 83877

BARTON TIMOTHY W
11013 W RIVERVIEW DR
POST FALLS ID 83854

CURRENT RESIDENT
10967 W RIVERVIEW DR
POST FALLS, ID 83854

PETER AND VALERIE STOHL
REVOCABLE IN
10982 W RIVERVIEW DR
POST FALLS ID 83854

STOHL PETER ETAL TRUSTEES
10982 W RIVERVIEW DR
POST FALLS, ID 83854

SCOGGIN JEFF D
11024 W RIVERVIEW DR
POST FALLS ID 83854

HIRTLE DAVID C
11074 W RIVERVIEW DR
POST FALLS ID 83854

CURRENT RESIDENT
11102 W RIVERVIEW DR
POST FALLS, ID 83854

LEWIS J CECIL ETUX
11124 W RIVERVIEW DR
POST FALLS ID 83854

LYON JERRY C
11142 W RIVERVIEW DR
POST FALLS ID 83854

Revised 2/12/2013

INTRODUCTION

As required by Part II.C of EPA NPDES Permit No. IDS-028193, this Storm Water Management Program (SWMP) is a written description of the actions that the Post Falls Highway District (District) will take to control the discharge of pollutants of concern from its storm drainage systems, and how the District will evaluate the effectiveness of those actions. The District's SWMP will be kept in a binder at the District shop with the following attachments:

- MS4 Map
- Forms
- District Policies
- Correspondence & Records
- NPDES Permit Documents
- EPA Construction General Permit Documents
- Kootenai County Site Disturbance Ordinance

Records of maintenance, monitoring, meetings, and training will be kept in the Correspondence & Records section of the SWMP binder. At the end of each year these documents should be cleared out and attached to the Annual Report required by Part IV.C of the NPDES Permit. Annual Reports will be kept in a separate binder. All SWMP information and Annual Reports will also be kept up to date on the District's web site.

The NPDES permit authorizes the discharge of storm water from all municipal separate storm sewer system (MS4) outfalls owned and operated by the District in the Coeur d'Alene Urbanized Area. In simple terms, an MS4 is a system of conveyances (roadside ditches, storm drains, etc.) that discharges to waters of the United States. With one exception, the District's MS4s are all located in the Riverview Drive area south of the Spokane River. The other MS4 is located on Rivercrest Drive in an unincorporated area of Post Falls. A map of the MS4 is included in the SWMP binder.

The District interprets that the following areas do not require coverage by the District's NPDES permit:

- Drainage systems owned and operated by other jurisdictions
- Areas outside of the Coeur d'Alene Urbanized Area (see urbanized area map on MS4 map)
- Areas that drain overland in a dispersed manner (i.e. sheet flow from roadways)
- Areas such as the Rathdrum Prairie runoff infiltrates into the ground and does not reach waters of the US.

The actions planned by the District as a part of its SWMP are detailed in six sections based on the six minimum control measures described in the permit.

1. PUBLIC EDUCATION AND OUTREACH

Permit Requirements:

- a) Within two years of the effective date of this permit, the permittee must implement an ongoing public education program to educate their audiences about the impacts of storm water discharges on local water bodies and the steps that employees and businesses can take to reduce pollutants in storm water runoff.*
- b) At least once per year, the permittee must distribute appropriate and relevant storm water information to employees, and to citizens and businesses with whom the permittee interacts.*

Plan:

- Maintain a partnership with the Panhandle Stormwater & Erosion Education program (SEEP) whose stated goal is to “Increase awareness, knowledge, competency, and consistency with regard to Stormwater and Erosion-Sediment Control practices throughout all levels of involvement in the regulatory, development, design, contractor, and landscaping communities.”
- Distribute SEEP field manuals with utility permits.
- Keep a display of relevant storm water literature at the District office. Include information regarding illicit discharges per Permit requirement II.B.3.e.
- Annually Distribute an informational flyer or similar piece of literature to residents who front District rights-of-way where the MS4 is present.

Measureable Goals for Public Education and Outreach:

- Distribute annually at least 100 pieces of storm water pollution related materials to employees, citizens, and businesses.
- Participate with SEEP in at least two of the following ways each year:
 - Donations
 - SEEP advertisement on District property
 - Participation in SEEP-sponsored events
- SEEP-certify all District maintenance staff.

2. PUBLIC INVOLVEMENT AND PARTICIPATION

Permit Requirements:

- a) The permittee must comply with applicable State and local public notice requirements when implementing a public involvement/participation program.*
- b) The permittee must make all relevant SWMP documents and all Annual Reports available to the public. Within two years of the effective date of this permit, all SWMP documentation and Annual Reports must be posted online through its regularly maintained website (or a website sponsored by the permittee).*

Plan:

- Participate in MS4 coordination meetings and joint public outreach activities for the Coeur d'Alene Urbanized Area along with representatives from Lakes Highway District, City of Coeur d'Alene, City of Post Falls, ITD, and SEEP.
- Post all relevant SWMP documents on the District website.

Measureable Goals for Public Involvement and Participation:

- Place a counter on the SWMP portion of the District website. Work towards a 10% annual increase in hits to this portion of the website.

3. ILLICIT DISCHARGE DETECTION AND ELIMINATION

Permit Requirements:

- a) Within two years from the effective date of this permit, the permittee must develop and implement a program to detect and eliminate illicit discharges to their MS4 including roadways and associated drainage facilities, ditches, pipes, culverts, catch basins, and retention ponds in its jurisdiction. This program must include written spill response procedures to ensure protection of the MS4. The program must include written procedures for detection, identification of the source, and removal of non-storm water discharges from the MS4. This program must also address illegal dumping into the storm sewer system, and include training for District staff on how to respond to reports of illicit discharges. The permittee must also develop an information management system to track the activities and actions of the program.*

Plan:

- The District Road Supervisor, Foreman, and other maintenance staff will visually monitor MS4 areas for illicit discharges during routine maintenance rounds. If District staff sees anything unusual from the vehicle, it will get out and investigate.
- Examples of illicit discharges that the District will be looking for include:
 - Sanitary sewage or drainfield effluent running over the surface into a ditch.
 - Paint or oil dumped into a ditch or storm drain.
 - A shop floor drain discharging to a ditch.
 - Turbid construction site runoff.
 - Other harmful pollutants, use common sense.
- Examples of allowable non-storm water discharges that may not need to be addressed include:

- | | |
|---|--|
| ○ Water line flushing | ○ Air conditioning condensate |
| ○ Irrigation water | ○ Individual residence car wash water |
| ○ Discharges from potable water sources | ○ Dechlorinated swimming pool discharges |
| ○ Foundation drains | ○ Street wash water |

Spill Response Procedures:

The following actions will be taken when an illicit discharge is detected by a District employee:

1. **Be Safe:** Identify the pollutant and determine if it is safe to remain in the area and if safety equipment is needed.
2. **Stop the Source:** If the source is readily identifiable and can be stopped quickly and safely, do so.
3. **Notify:** Dial 911 if you deem it an emergency. Tell the District Road Supervisor. Notify the following agencies:
 - Kootenai County Sheriff's Office: 446-1850 for chemical spills.
 - Environmental Protection Agency: (208) 664-4858 or (800) 424-4372 for major sediment discharges.
 - Idaho Department of Environmental Quality: 769-1422 for waste water discharges.
 - Kootenai County Building and Planning Department: 446-1070 for minor sediment discharges and code violations.
4. **Protect Stormwater:** If it can be safely done, while help is on the way, confine the spill with sandbags, berms, diversion ditches, etc.
5. **Assist with Clean Up:** Remain on site and assist by providing materials, labor and equipment as directed by the authority agency. Examples include sand, gravel, the District's Spill Kit, etc. Communicate with the authority agency and make sure that they are aware of concerns for protecting downstream surface water.
6. **Report:** Write a summary report of the incident and file it with SWMP monitoring records. Submit a copy of the report to EPA and IDEQ.

Permit Requirements:

- b) *Within two years from the effective date of this permit, the permittee must effectively prohibit non-storm water discharges into its system through an ordinance or other regulatory mechanism to the extent allowable under State or local law. The permittee must implement appropriate enforcement procedures and actions, including a written policy of enforcement escalation procedures for recalcitrant or repeat offenders.*
- c) *Through the ordinance or other regulatory mechanism set forth in Part II.B.3.b, the permittee must prohibit any of the non-stormwater flows listed in Part I.C.1.c only if such flows are identified (by EPA or the permittee) as a source of pollutants to the MS4. The*

permittee must document to EPA in the Annual Report any existing local controls or conditions placed on the types of non-stormwater discharges in Part I.C.1.c.

Plan:

- The District does not have ordinance authority and it is not aware of any existing local conditions on non-storm water discharges. If the District observes what it deems to be repeated violations of state surface water quality standards (IDAPA 58.01.02.200), it will notify EPA and IDEQ for enforcement assistance.

Permit Requirements:

- d) Within two years from the effective date of this permit, the permittee must complete a comprehensive MS4 map. At a minimum, the maps must show jurisdictional boundaries, the location of all District-owned or operated storm sewers, culverts, ditches, and other conveyances, the location of all inlets and outfalls, points at which the permittee's MS4 is interconnected with other MS4s, names and locations of all waters that receive discharges from those outfalls, and locations of the all municipally-owned or operated facilities, including snow disposal sites and the permittee's maintenance yard. Locations of all outfalls must also be provided in latitude and longitude, and the diameter of all outfalls must be provided with the map. The maps shall be available in electronic or digital format as appropriate. A copy of the completed map(s) as both a report and as an electronic file via Arc GIS format, must be submitted to EPA and IDEQ as part of the corresponding Annual Report.*

Plan:

- The MS4 map is included in the SWMP binder. A disc containing GIS files is also included. The map will be updated annually if there are changes to the MS4.

Permit Requirements:

- e) Within two years from the effective date of this permit, the permittee must begin an ongoing education program to inform its employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste. This program must be conducted in concert with the education requirements outlined in Part II.B.1.*

Plan:

- Conduct training sessions to familiarize District employees with the SWMP, including illicit discharge education and monitoring procedures.
- Make an educational flier regarding illicit discharge available to the general public at the District office.

Permit Requirements:

- f) Within three years from the effective date of this permit, the permittee must begin dry weather field screening for non-storm water flows from storm water outfalls. By the expiration date of this permit, 50% of the permittee's outfalls within the Coeur d'Alene*

Urbanized Area must be screened for dry weather flows. The screening should include field tests of selected parameters as indicators of discharge sources. Screening level tests may utilize less expensive "field test kits" using test methods not approved by EPA under 40 CFR Part 136, provided the manufacturer's published detection ranges are adequate for the illicit discharge detection purposes. The permittee must investigate any illicit discharge within fifteen (15) days of its detection, and must take action to eliminate the source of the discharge within 45 days of its detection.

Dry Weather Screening Plan:

Because of the limited MS4 area, the nature of the MS4s (only one true storm sewer system) and the land uses in the MS4 area (mostly very low density residential), the District sees that the possibility of illicit discharges to its MS4s are limited. Therefore, the depth of this dry weather screening plan is limited at this time. For example, the District does not see any benefit to purchasing a field test kit and training employees to use it if there is nothing to test.

The District will attempt to screen all of its outfalls once each year during the months of July or August. A sample Dry Weather Screening Report is attached to the end of this document. Instructions are given on the front page of the report.

In addition, the District will monitor outfalls once in the spring and once in the fall. The results will be recorded on the Monitoring Record Form included in the Forms section of the SWMP. The purpose of these additional monitoring events is to get a visual assessment of storm water quality and quantity in conveyance systems in varying seasonal conditions. This will lead to a better understanding of the MS4s.

The District will use the first years of Dry Weather Screening to determine if the program should be expanded.

Permit Requirements:

- g) *Within three years from the effective date of this permit, the permittee must inventory all industrial facilities that discharge into the permittee's MS4 and submit this inventory as part of the corresponding Annual Report. The types of industrial facilities that must be inventoried are set forth in 40 CFR §122.26(b)(14)(i-ix) and (xi). This inventory must include the location of the facility, the location of its outfall, and the NPDES permit status for its storm water discharges.*

Plan:

- It was determined in 2011 that no industrial facilities exist that discharge into the District's MS4.

Measurable Goals for Illicit Discharge Detection and Elimination:

- Screen 100% of District outfalls annually.

- Ensure that all observed potential illicit discharges are investigated and eliminated if found to be a source of pollution.

4. CONSTRUCTION SITE STORM WATER RUNOFF CONTROL

Permit Requirements:

- a) Within two years from the permit effective date, the permittee must develop, implement, and enforce a program to reduce pollutants in any storm water runoff to the MS4 from construction activities conducted or overseen by the Highway District that result in land disturbance of greater than or equal to one acre. This program must include controls for pollutants in such storm water discharges from activity disturbing less than one acre, if that construction activity is part of a larger common plan of development or sale that disturbs one acre or more.*
- b) Through the program required under Part II.B.4.a, the permittee must provide adequate oversight and direction to contractors working on Highway District projects to ensure compliance with the NPDES General Permit for Storm Water Discharges for Construction Activity in Idaho, #IDRIO-0000 (Construction General Permit).*
- h) The permittee must comply with the Construction General Permit and all relevant local requirements for erosion, sediment and onsite materials control on public construction projects. The permittee must ensure that all contractors working on behalf of the permittee are complying with the Construction General Permit and all relevant local requirements for erosion, sediment, and onsite materials control on construction projects. The permittee must incorporate specific language in all contracts ensuring appropriate storm water management on all public construction projects.*

Plan:

- The District is aware of NPDES Construction General Permit requirements and complies with permit requirements for its own projects.
- When a District project is contracted, the District and its Engineer will ensure that the plans and specifications for the project include provisions for construction storm water management and that the NPDES CGP requirements and contractor's permit responsibilities are clear for that project. The District and its Engineer will observe the contractor's compliance as part of its regular involvement in the project.

Permit Requirements:

- c) Within two years from the effective date of this permit, the permittee must review and update as necessary the existing ordinance or other regulatory mechanism to the extent allowable under state or local law that requires construction site operators to practice appropriate erosion, sediment and waste control. This ordinance or regulatory mechanism must include sanctions to ensure compliance. The permittee may evaluate any existing procedures, policies, and authorities pertaining to activities occurring on their property that may be used to assist in the development of the required regulatory mechanism.*

- d) *Within two years from the permit effective date, the permittee must publish and distribute local requirements for construction site operators to implement appropriate erosion and sediment control BMPs and to control waste (such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste) at a construction site that may cause adverse impacts to water quality.*
- e) *Within two years from the effective date of this permit, the permittee must develop procedures for reviewing all pre-construction site plans for potential water quality impacts, including erosion and sediment control, control of other wastes, and any other impacts according to the requirements of the law, ordinance, or other enforceable mechanism of Part n.B.4.c. These procedures must include provisions for receipt and consideration of information submitted by the public.*
- f) *Within two years from the effective dates of this permit, the permittee must implement a program to receive, track, and review information submitted by the public regarding construction site erosion and sediment control complaints.*
- g) *Within three years from the effective date of this permit, the permittee must develop and implement procedures for site inspection and enforcement of control measures established as required in Parts II.B.4.c and d, including a written policy of enforcement escalation procedures for recalcitrant or repeat offenders. The permittee must inspect all construction sites in its jurisdiction for appropriate erosion/sediment/waste control at least once per construction season.*

Plan:

- The District does not have the ordinance authority needed to directly comply with the above requirements. Construction sites in the District's MS4 area must comply with the Kootenai County Site Disturbance Ordinance which requires erosion, sediment and waste control. The District will work with Kootenai County and other agencies where it is able to, in keeping with the intent of the above requirements.
- When called upon by Kootenai County to review Site Disturbance Plans and other improvement plans within its MS4 areas, the District and its Engineer will provide a review of temporary erosion control measures in addition to its review for compliance with Associated Highway District Standards.
- As part of its Illicit Discharge Detection and Elimination Program set forth above, the District will inspect construction sites during routine maintenance rounds to ensure that some level of erosion control is in place during construction and that any construction site storm water discharge is clean. Violations will be documented and reported to the Kootenai County Planning Department and/or EPA.
- The District's Public Education and outreach program will include information regarding local and federal construction, storm water requirements, and BMPs to help meet those requirements.
- Any public storm water information and complaints received by the District will be investigated and forwarded to the appropriate agencies.
- The District will track approach and utility permits within the MS4 and at the time of permit issuance will distribute information regarding storm water BMPs to those projects located in the MS4.

Measureable Goals for Construction Site Storm Water Runoff Control:

- No violations of the Construction General Permit for District projects.
- Through project review and monitoring, no violations of the Construction General Permit for private projects that discharge to one of the District's MS4s.

5. POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

Permit Requirements:

- a) Within three years of the effective date of this permit, the permittee must implement and enforce their requirements addressing post-construction storm water runoff from new development and redevelopment projects that disturb greater than or equal to one acre (including projects less than one acre that are part of a larger common plan of development or sale) and that result in discharge into the permittee's MS4. The program must ensure that controls are enacted that prevent or minimize water quality impacts from newly developed or re-developed areas.*
- b) Within three years from the effective date of this permit, the permittee must adopt an ordinance or other regulatory mechanism to the extent allowable under State or local law to address post-construction runoff from new development and redevelopment projects. If such requirements do not currently exist, development and adoption of a mechanism must be part of the program. The permittee may evaluate existing procedures, policies, and authorities pertaining to activities occurring on its property that may be used to assist in the development of the required regulatory mechanism.*

Plan:

- The District does not have the ordinance authority needed to directly comply with the above requirements. Construction sites in the District's MS4 area must comply with the Kootenai County Site Disturbance Ordinance which permanent storm water quality and quantity controls. The District will work with Kootenai County where it is able to, in keeping with the intent of the above requirements.

Permit Requirements:

- c) Upon the effective date of this permit, the permittee must ensure proper long term operation and maintenance of all permanent storm water management controls located within its jurisdiction.*

Plan:

- Besides the conveyance systems shown on the MS4 map, the District is not aware of any permanent storm water management controls in its MS4 areas. The District will continue to routinely monitor, repair, and improve its storm water management systems.

Permit Requirements:

- d) Upon the effective date of this permit, the permittee must implement a process for pre-construction plan review of permanent storm water management controls and inspection*

of such controls to ensure proper installation and appropriate long-term operation and maintenance.

Plan:

- When called upon by Kootenai County to review Site Disturbance Plans and other improvement plans within its MS4 areas, the District and its Engineer will provide a review of permanent storm water features in addition to its review for compliance with Associated Highway District Standards.
- Provide installation inspection of storm water controls for private projects within the right-of-way and those facilities off the right-of-way that discharge to its MS4s.
- Monitor private storm water facilities off the right-of-way that discharge to the MS4. Notify the owner and/or the Kootenai County Planning Department if the facility is not being maintained or is not functioning properly.

Measureable Goals for Post Construction Storm Water Management in New Development and Redevelopment:

- Provide a design review and final inspection of all Site Disturbance Plans in the MS4 area that are routed through the District office.

6. POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

Permit Requirements:

- a) Within two years from the effective date of this permit, the permittee must develop and implement an operation and maintenance program intended to prevent or reduce pollutant runoff from municipal operations. This program must address municipal activities occurring within the permittee's jurisdiction with potential for negative storm water related water quality impacts including the use of sand and road deicers; fleet vehicle maintenance and washing; street cleaning and maintenance; materials storage; building maintenance; grounds/park maintenance; hazardous materials storage; used oil recycling; sand/salt storage; and storm water system maintenance. Examples of other activities which may also be evaluated by the Highway District, include, but are not limited to: solid waste transfer activities; spill control and prevention measures for refueling facilities; new construction and land disturbances; snow removal, and snow disposal site operation.*

PFHD Operation and Maintenance Procedures to Protect Storm Water Runoff:

O&M procedures should be applied everywhere in the District where practical. Otherwise, they should be focused in MS4 areas and other areas where storm water systems discharge to US Waters.

1. Snow Removal:

- Where possible, avoid blowing or pushing snow or other debris into watercourses, the storm water drainage system, or where a storm drain inlet can be blocked.

2. Road Deicing:

- The District's Snow Removal Policy outlines road deicing practices and is attached to the SWMP.
 - Use sand and chemical deicers sparingly as required for road safety. If possible, limit the use of sand/chemical treatments to steep roadway grades, intersections and curves in high traffic areas.
 - In the spring, sweep and collect sand from curbed roadways and if possible, from additional roads in the MS4 area.
 - Routinely calibrate spreaders and use the computer interface to determine the proper amount of deicer needed for the conditions.
 - Do not overload sand trucks.
3. Fleet Vehicle Maintenance and Washing:
- Vehicle maintenance and washing should be performed in areas that discharge to an oil/water separator and sanitary sewer system.
 - Outdoor vehicle and equipment maintenance should not be performed during rain events or prior to predicted rain events unless required by emergency conditions.
 - Maintenance activity areas should be kept clean, well organized and equipped with cleanup supplies.
4. Street Cleaning and Maintenance:
- Where possible, do not perform cleaning and maintenance activities during rain events or prior to predicted rain events.
 - Take care to protect drainage ditches and drain inlets from material spills and do your best to keep gravel, oil, and other chemicals and debris out of drainage systems.
 - Clean up leaks and spills from maintenance vehicles and equipment.
 - Do not stockpile sediment, aggregate, sand or asphalt in or near storm water drainage systems. Protect stockpiles with a cover or sediment barrier during rain storms.
 - Street sweeping is encouraged if swept material is collected and disposed of.
 - Where possible, minimize the sweeping or washing of roads into drainage ditches and storm drains, particularly in the MS4 area and areas that drain to US Waters.
 - Clean up large litter and monitor right-of-way for areas that need litter pickup. Utilize the Sheriff's Department and the Adopt-a-Road program where available for litter control.
 - Use clean washed materials for chip-sealing and other road maintenance to minimize siltation of ditches.
5. Storm Water System Maintenance:
- Conduct storm water system maintenance during dry weather when possible.
 - Minimize the use of water in the cleaning of ditches, storm drains and culverts.
 - In MS4 areas, construct temporary check dams and sediment traps where possible to collect water and minimize sediment discharge from ditch and culvert maintenance. Remove check dams and accumulated sediment when complete.
 - Hydroseed disturbed areas as soon as possible after maintenance.

- Minimize the use of chemical vegetation controls.
- Provide armoring of ditches and slopes where erosion has occurred.

6. Materials Storage:

- Oil, grease, chemicals and other hazardous materials shall be stored in containers on spill pallets.
- Store other materials in covered areas where possible.
- Do not stockpile aggregate, sand, and asphalt near storm water drainage systems.

7. Building/Grounds Maintenance:

- District employees shall take care to keep District Maintenance facilities clean by cleaning up after themselves.
- Solid waste should be kept in containers away from storm water systems.
- The Maintenance yard shall be periodically broomed as directed by the Road Supervisor or Foreman.

Permit Requirements:

- b) *Within two years from the effective date of this permit, the permittee must develop and conduct appropriate training for municipal personnel related to optimum maintenance practices for the protection of water quality. This training must be conducted at least once annually to address the activities specified in Part II.B.6.a.*

Plan:

- Beginning in 2011, the District will conduct a SWMP training session for all maintenance personnel annually each February, after the issuance of the Annual Report. The training session will provide a review of the SWMP, including operation and maintenance practices. It will also provide an opportunity for feedback and discussion.

Permit Requirements:

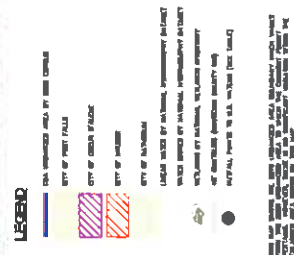
- c) *Within two years from the effective date of this permit, the permittee must prepare a storm water pollution prevention plan for the permittee's maintenance yard.*

Plan:

- The District maintenance yard discharges to a depressed treed area for infiltration. Discharges do not reach US waters. The O&M procedures outlined in the SWMP should suffice for a Storm Water Pollution Plan for the District maintenance yard.

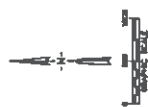
Measureable Goals for Pollution Prevention and Good Housekeeping for Municipal Operations:

- Each year, the District should be able to describe at least one way that it has improved its O&M procedures or constructed improvements to decrease the potential for storm water pollution within the MS4 area.



CUTFALL TABLE

The image shows a highly detailed and dense table, likely a technical specification or index. The title "CUTFALL TABLE" is prominently displayed at the top. The table itself consists of many rows and columns, with text that is too small to be read accurately. The layout suggests a comprehensive list of items, possibly related to construction or engineering, given the title "CUTFALL".



Dry Weather Screening NPDES Outfalls-Post Falls Highway District

John J Karpenko P.E. with Ruen-Yeager & Associates, Inc. on behalf of the Post Falls Highway District performed the annual Dry weather Screening for 2013 in September and October of 2013.

Dry weather monitoring was performed on September 12, 2013 and October 4, 2013. No flows were observed. No distressed vegetation, floatables, odors, or sheen were noted or observed. Photos of each outfall were taken. No rainfall had been recorded for at least 72 hours prior to monitoring. No illicit discharges of suspicious activities were noted.

Several outlets were not accessed due to private property issues. The inlets were observed and documented.

Photo documentation was performed at all outfalls that were accessible.

John J. Karpenko P.E.

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LAKES HIGHWAY DISTRICT, MULTI-JURISDICTIONAL

Environmental Open House

EPA National Pollution Detection and Elimination System (NPDES)

ATTENDANCE SHEET DATED: DECEMBER 4, 2013

Lakes Highway District monitors attendance to ensure equal opportunity. We appreciate your providing this information. This information will only be used to monitor attendance at public meetings and for affirmative action purposes, as specified by law (CFR 42.21.9).

Name (Please print or write clearly)	Title/Representing	Address (City, State, ZIP & Phone Number)	Male <input type="checkbox"/> Female <input type="checkbox"/>	Disabled <input type="checkbox"/>	Please check the appropriate boxes
Pete Bradeson	Attorney	1677 E. Rives Ave. Ste. 202 Hayden Lake, ID 83835	<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> Disabled	<input type="checkbox"/> American Indian/Alaskan Native <input type="checkbox"/> Asian/Pacific Islander <input type="checkbox"/> Black <input checked="" type="checkbox"/> White <input type="checkbox"/> Other
Kim Harrington		6041 E Frazier Post Falls, ID. 83854	<input type="checkbox"/> Male <input checked="" type="checkbox"/> Female	<input type="checkbox"/> Disabled	<input type="checkbox"/> American Indian/Alaskan Native <input type="checkbox"/> Asian/Pacific Islander <input type="checkbox"/> Black <input type="checkbox"/> White <input type="checkbox"/> Other
Eric Stanley	Lakes H.D.	11341 N. Ramsey Rd Hayden ID.	<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> Disabled	<input type="checkbox"/> American Indian/Alaskan Native <input type="checkbox"/> Asian/Pacific Islander <input type="checkbox"/> Black <input type="checkbox"/> White <input checked="" type="checkbox"/> Other
John Karpenko	RYA	3201 N. HUNTER RD COA, ID 83814	<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> Disabled	<input type="checkbox"/> American Indian/Alaskan Native <input type="checkbox"/> Asian/Pacific Islander <input type="checkbox"/> Black <input type="checkbox"/> White <input checked="" type="checkbox"/> Other
Allen T. Jackson	Hydrologist/ Education	3028 Westwood Ct COA, ID. 83815	<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> Disabled	<input type="checkbox"/> American Indian/Alaskan Native <input type="checkbox"/> Asian/Pacific Islander <input type="checkbox"/> Black <input type="checkbox"/> White <input checked="" type="checkbox"/> Other
Adam Tate	City of Post Falls	2002 W. Selma Post Falls, ID 83854	<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> Disabled	<input type="checkbox"/> American Indian/Alaskan Native <input type="checkbox"/> Asian/Pacific Islander <input type="checkbox"/> Black <input type="checkbox"/> White <input checked="" type="checkbox"/> Other
			<input type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> Disabled	<input type="checkbox"/> American Indian/Alaskan Native <input type="checkbox"/> Asian/Pacific Islander <input type="checkbox"/> Black <input type="checkbox"/> White <input type="checkbox"/> Other

For special accommodations/translation services, call 772-7527, no less than 48 hours in advance. Lakes Highway District assures nondiscrimination in accordance with Title VI of the Civil Rights Act of 1964 and Civil Rights Restoration Act of 1987 (P.O. 100.2560) and the Americans with Disabilities Act.



RUEN-YEAGER & ASSOCIATES, INC.
ENGINEERS ♦ PLANNERS ♦ SURVEYORS

SIGN-IN SHEET
ENVIRONMENTAL OPEN HOUSE
SPONSORED BY THE LAKES HIGHWAY DISTRICT
IN COOPERATION WITH
THE POST FALLS HIGHWAY DISTRICT
CITY OF COEUR D'ALENE
CITY OF POST FALLS
PANHANDLE S.E.E.P.
UNIVERSITY OF IDAHO

Wednesday, December 4, 2013 4:00-6:00PM
11341 N Ramsey Rd, Hayden Lake, ID 83835 (208) 772-7527

Print Name:

Signature:

Agency / Citizen

Environmental Open House

**Wednesday December 4, 2013
4:00 PM to 6:00 PM**

**Hosted by the
Lakes Highway District
at their main office located at
11341 N. Ramsey Road
Hayden Lake, Idaho**

Visit with local agencies and groups as they demonstrate how they are working to preserve and improve our natural resources.

List of Participants:

- City of Coeur d'Alene
Stormwater Management
- Lakes Highway District
- Post Falls Highway District
- City of Post Falls
- Rathdrum Prairie Aquifer
Committee
- Kootenai Environmental
Alliance

For more information, contact
John Karpenko
Ruen-Yeager & Associates, Inc.
208-292-0820 or jkarpenko@ruenyeager.com



What we're doing to help with storm water quality:

1. Public Education and Outreach: pamphlets and door hangers
2. Public Involvement/Participation: Environmental Open House, web site updates
3. Illicit Discharge Detection and Elimination: culvert and storm drain screening
4. Construction Site Storm Water Runoff Control: on our projects and review of private projects on our rights-of-way
5. Post Construction Storm Water Management in New Development and Redevelopment: project review and swale retrofits
6. Pollution Prevention and Good Housekeeping for Municipal Operations: staff training

John Karpenko

From: Eric Shanley <eric@lakeshighwaydistrict.com>
Sent: Wednesday, December 04, 2013 8:05 AM
To: 'John Karpenko'
Cc: Bonny Flagg
Subject: Open House
Attachments: IMG_20131204_073552_698.jpg; S25C-413120408450.pdf; P1010004.JPG

John - we advertised our open house in the Coeur d'Alene Press both yesterday and today - ad attached.

Also, our electronic reader board is out on 4th between Honeysuckle and Prairie. It reads: 12/04/13 EPA Storm Water Open House Lakes Hwy Dist 11341 N. Ramsey Rd 4-6 pm. This location will get great exposure to residents that live both in the Avondale and Hayden Lake Area.

Eric

-----Original Message-----

From: Lakes Highway District [mailto:eric@lakeshighwaydistrict.com]
Sent: Wednesday, December 04, 2013 7:36 AM
To: Eric Shanley
Subject:





Calendar

TODAY

Bingo: Noon games, doors open 11 a.m., Post Falls American Legion, 1138 E. Poleline Ave., every Tuesday and Saturday, Biweekly. Info: 262-9544

Fit 'N Fall Class: 9:30 to 10:30 a.m. (strength and balance), noon lunch (call for reservations), blood pressure/pulse self check available Monday-Friday, 9:30 a.m. to 3:30 p.m., Hayden Senior Center, 9428 Government Way. Weekly. Info: Storma or Carole 762-7052

'Journey to the North Pole' Cruises: 5:30 p.m., 6:30 p.m., 7:30 p.m., Nov. 22-Jan. 1, Daily. Info: cdalakecruises.com or 664-7268

Lake City Center: Line dancing (Deb 765-6589) 8:30-10:30 a.m., Senior Artists 8 a.m. to noon, Lunch at noon, Pinochle race horse 12:55-4 p.m., Art class (cost, instructor Hazel Holland 951-505-0104) 1-3 p.m., Computer/tech lessons by appointment 1:30-3:30 p.m., Weekly. Plus daily bil-

iards/snooker, Will sports games, and computer room (when lessons not offered) 8 a.m. to 4 p.m., 1916 N. Lakewood Drive, Coeur d'Alene. Info: 667-4628

Overeaters Anonymous Coeur d'Alene: 6:30-7:30 p.m., 1104 N. Fourth St. We welcome everyone who wants to stop eating compulsively. Weekly. Info: 669-9606

Overeaters Anonymous Hayden: 6:30 p.m., 12940 Government Way (use main entry). We offer a new way of life that will enable a compulsive eater to live without the need for excess food. Weekly. Info: Sandy 818-1039

Panhandle Nordic Ski and Snowshoe Club: 7 p.m., Cherry Hill Fire Station, 1500 N. 15th St., Coeur d'Alene. Join us for a presentation on the Centennial Bike Trail; interested persons invited to attend. Info: 667-8790 or www.panhandle Nordic Club.com

Post Falls Senior Center Dance Night: 7 p.m., doors open 6 p.m.,

Explore all the region's entertainment options. Go to cdapress.com and click the CALENDAR tab at the top of the page.

1215 E. Third Ave. Weekly. Info: 773-9582

Rathdrum Food Bank Drive: Nov. 25 through Dec. 7. Contributions can be dropped off at Adept Business Solutions, 8065 W. Main St., Rathdrum Chamber Office, 8184 W. Main St., or Stein's Market/Washington Trust Bank, 16102 N. Hwy 41.

WEDNESDAY

HIV Test: 8500 N. Atlas Road, Hayden. Free. Call for an appointment, 415-5270. The CDC recommends that people age 13 through 64 include an HIV test in their annual physical exams. For information on HIV testing and counseling visit www.phd1.idaho.gov

Holiday Teen Dental Party at the Panhandle Health District: 2-7 p.m., 8500 N. Atlas Road, Hayden. Call 415-5143 by 4:30 p.m. Dec. 4 for an appointment. Dental screenings free to low-income patients, high school age students, braces, snacks, movie, and much more.

Lakes Highway District Open House: 4-6 p.m., 11341 N. Ramsey Road, Hayden. This is a multi-jurisdictional open house regarding local EPA Storm Water Permits. The public is encouraged to attend.

Alzheimer's Caregivers Support Group: Noon, every first Wednesday, lunch included; Embers of Coeur d'Alene, 302 E. Anton Ave., (off Government Way near Les Schwab). Info: 667-6490

Adult Children of Alcoholics and Dysfunctional Families: 12-step support meeting, 5 p.m. St. Pius X Church Room 1, 825 E. Haycraft Ave., Coeur d'Alene.

Weekly. Info Betty: 860-9193 or 699-8738

Al-Anon: Support for friends and families of alcoholics, 7 p.m., St. Pius X Church, Room 5, 625 Haycraft Ave., Coeur d'Alene. Weekly. Info: George at 664-6330.

Christmas at the Kroc: 7:30 p.m., in the Kroc auditorium, 1765 W. Golf Course Road, Coeur d'Alene. Tickets \$20/adults, \$15/seniors 65 and up, \$8 youth and students with ID. Come hear your favorite Christmas carols. Info: 765-3833

Ft. N Fall Class: 9-10 a.m., every Wednesday and Friday, St. Luke's Episcopal Church, Fifth and Wallace, Coeur d'Alene. Everyone welcome. Info: 664-5533

Genealogists: 1-4 p.m. Available to help with your research at the Hayden Library, 8385 Government Way, Hayden. Weekly. Info: 772-4612.

Hayden Library Programs for Adults: 6:30 p.m., King Solomon's Mines - Fact or Fiction. One over the story and unravel the mystery behind King Solomon's mines with geologist, historian, and author Art Randall. No registration needed, 8385 N. Government Way. Free. Info: 772-5612

Hayden Senior Center: Bakery items available for a donation, race horse pinochle, noon to 3:30 p.m., Dominoes, noon to 3:30 p.m., Meditation class 4-5 p.m., 9428 Government Way. Weekly. Info: Storma or Carole, 762-7052

Knit Wits: 1-3 p.m., every first Wednesday, Lake City Center, 1916 N. Lakewood Drive, Coeur d'Alene. Info: 667-4628.

Lake City Center: Art class until holiday, free bus checks, 1 noon, canasta p.m., Plus daily snooker, Will's games, and a room (when offered) 8 a.m. 1916 N. Lakeview Coeur d'Alene. Info: 667-4628

Lake City Center: Exercise class Monday and 8 a.m., Comm Methodist Ch W. Hanley Ave. d'Alene. Info: 3417

'Let's Talk Coeur d'Alene District 'Star Up' Event: 5 p.m., Fernar 520 N. 21st d'Alene. The invited to take anti-bullying event.

Mental Health Group: 7-9 p.m., Kootenai Health Coeur d'Alene comes every mental health as well as f Info: 772-66

Post Falls Center: 9 a.m. (welcome), pressure cl a.m. lunch a.m.); 1 p.m. cash prizes. Ave. Week 9582.

Veterans Group: 6 p.m., meets every Wednesday Bldg., 601 Post Falls welcome, those des Info: 777-

55-Plus Friendship: 5 p.m. Restaurant Ave., Coeur friendly e Weekly. Info: 8456 or k

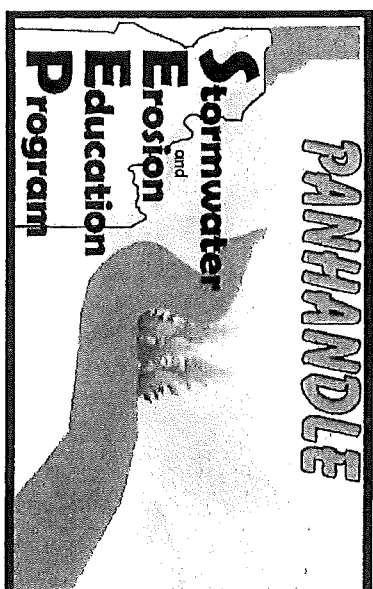


HOLIDAY GIFT GUIDE



Panhandle SEEP

(Stormwater & Erosion control Education Program)



BRIAN PAULSON

has successfully completed the Panhandle SEEP Basic Course and committed to protecting Idaho's water resources through continued education in Stormwater and erosion sediment control.

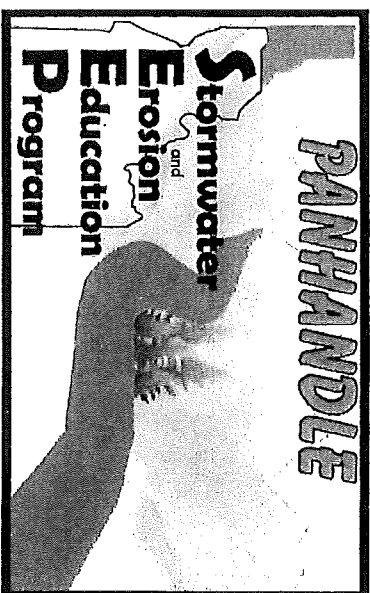
Idaho BOL Course Ref #	Idaho BOL Relevancy	CEU's
WWP11053110	Drinking Water & Wastewater Professionals	1.2
Course Dates: _____ March 12 & 13, 2013		
Certification Expires: _____ March 2016		

Chairman

Vice-Chairman

Panhandle SEEP

(Stormwater & Erosion control Education Program)



JOSHUA LUPTON

has successfully completed the Panhandle SEEP Basic Course and committed to protecting Idaho's water resources through continued education in Stormwater and erosion sediment control.

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Chairman

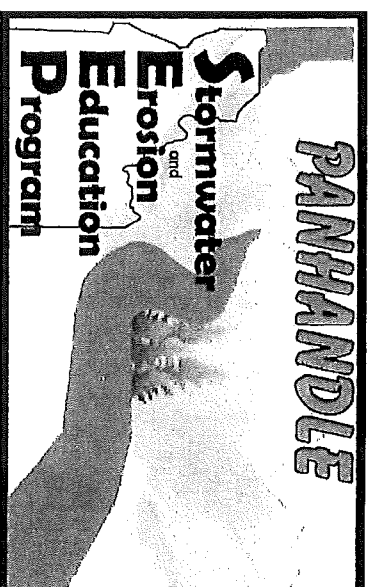
Janice Brunner

Vice-Chairman

Brent Remond

Panhandle SEEP

(Stormwater & Erosion control Education Program)



LARRY HOWELL

has successfully completed the Panhandle SEEP Basic Course and committed to protecting Idaho's water resources through continued education in Stormwater and erosion sediment control.

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Course Dates: _____ March 12 & 13, 2013		
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Jamie Brunner
Chairman

Burt Renard
Vice-Chairman



RUEN-YEAGER & ASSOCIATES, INC.

ENGINEERS ♦ PLANNERS ♦ SURVEYORS

SIGN-IN SHEET

POST FALLS HIGHWAY DISTRICT/LAKES HIGHWAY DISTRICT MS4 PERMIT OVERVIEW/O & M PROCEDURES TO PROTECT STORMWATER

Wednesday, December 4, 2013 8:00 AM

5629 E. Seltice Way, Post Falls, Idaho

Print Name:	Signature:	Highway District
JOHN KARPENICE	[Signature]	Ruen Yeager
Larry Howell	[Signature]	PFHD
DAVE VERIAN	[Signature]	PFHD
MARK SHAW	[Signature]	LAKES
Eric Prestegard	[Signature]	PFHD
PAT ARNOLTT	[Signature]	LAKES
Travis Minter	[Signature]	PFHD
Rex Lutes	[Signature]	LAKES
Larry Fields	[Signature]	Lakes
Leslie Likes	[Signature]	PFHD
JOHN CLIFTON	[Signature]	PFHD
Brian Paulson	[Signature]	PFHD
Steve Shatter	[Signature]	PFHD
Tom Wines	[Signature]	PFHD
[Signature]	[Signature]	PFHD
Paul Cooper	[Signature]	Lakes



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Wednesday, December 4, 2013 8:00 AM

5629 E. Seltice Way, Post Falls, Idaho

Print Name:	Signature:	Highway District
Aaron C Syth	A C Syth	Lakes
CARLA HARTIG	C Hartig	Lakes
Bonny Flagg	Bonny Flagg	Lakes
Rik Van Gelder	Rik Van Gelder	LAKES
DAVID CARPENTER	David Carpenter	Lakes
Steve Williams	Steve Williams	Lakes
DAN PETERSON	Dan Peterson	PFHD
Mike Horton	Mike Horton	Lakes
Marv Esser	Marv Esser	Lakes
Kenny Womochil	Kenny Womochil	Lakes
Handy NERC	Handy NERC	PFHD
Brandon Graham	Brandon Graham	Lakes
Todd Zimmerman	Todd Zimmerman	Lakes
Verlin Van Zee	Verlin Van Zee	"
Mike Mouette	Mike Mouette	PFHD
Kelly Brownberg	Kelly Brownberg	PFHD



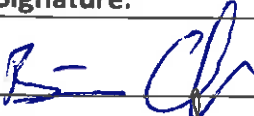
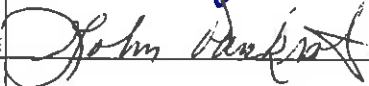

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MS4 PERMIT OVERVIEW/O & M PROCEDURES TO PROTECT STORMWATER**

Wednesday, December 4, 2013 8:00 AM

5629 E. Seltice Way, Post Falls, Idaho

Print Name:	Signature:	Highway District
Brian Crumb		Post Falls
John Panikvar		EAS side
Ed mael		PEHD
Ted Baldwin	Ted Baldwin	LHD

Post Falls Highway District Lakes Highway District

MS4 Permit Overview/ Operation and Maintenance Procedures to Protect Storm Water

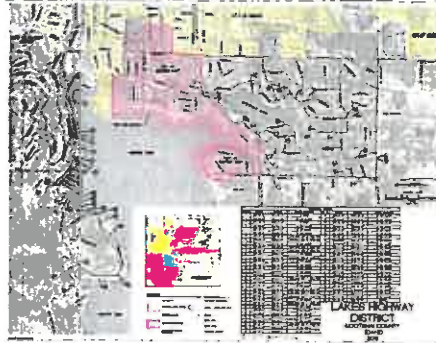
Why are we here?

- Polluted storm water runoff ends up in the rivers and lakes that we use for swimming, fishing, and drinking
- It's required by the District's MS4 permit:
"...the permittee must develop and conduct appropriate training for municipal personnel related to optimum maintenance practices for the protection of water quality. This training must be conducted at least once annually..."

What is an MS4 permit?

- EPA permit for discharge from Municipal Separate Storm Sewer Systems to Waters of the U.S.
- Applies to drainage systems in "Urbanized Areas" as defined by the U.S. Census

Lakes Highway District Primary Area of Concern



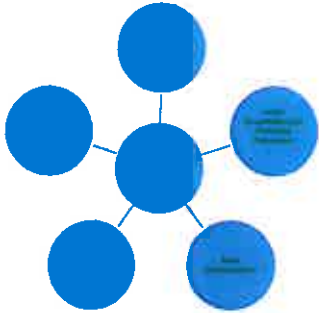
Primary area of concern:



6 categories of permit requirements:

- Public Education and Outreach
- Public Involvement and Participation
- Illicit Discharge Detection and Elimination
- Construction Site Storm Water Runoff Control
- Post-Construction Storm Water Management
- Pollution Prevention and Good Housekeeping for Municipal Operations

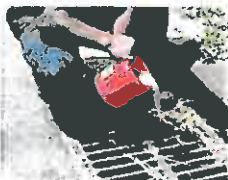
Six Minimum Measures



Not all stormwater management is created equal

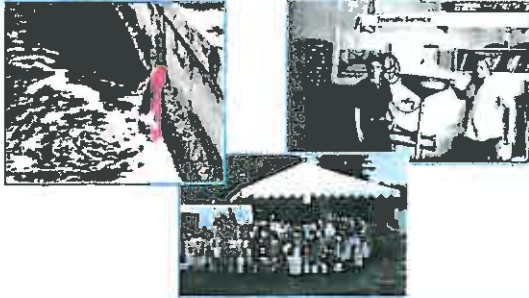


Illicit Discharge Detection and Elimination



Minimum Control Measures

Illicit Discharge Detection and Elimination



Not an illicit discharge:

- Water line flush water
- Irrigation water
- Foundation drains
- Street wash water
- Individual residence car wash water

If not an illicit discharge certainly a public nuisance.



What to do if you detect an illicit discharge

- 1 Notify your road supervisor
- 2 Be safe and sane, avoid personal exposure
- 3 Identify and stop the source if possible
- 4 Confine the spill with sandbags, berms, diversion ditches, etc.
- 5 Assist with clean-up
- 6 Report
 - Who should you contact
 - gu
 - Sheriff
 - Local Police
 - IDEQ
 - Owner
- 7 Document with photos, names, amount, type of discharge, etc.

Operation and Maintenance Procedures to Protect Storm Water

Snow and Ice Control

- Where possible, avoid pushing snow into watercourses and drainage systems
- Use sand and chemical deicers sparingly – especially adjacent to water ways
- Routinely calibrate spreaders
- Do not overload sand trucks

Snow Removal & Disposal



Vehicle Maintenance & Washing

- Perform in areas that discharge to an oil/water separator
- Keep maintenance areas clean, organized, and equipped with cleanup supplies

Poor Organization



Street Cleaning & Maintenance

- Where possible, avoid rain events
- Do your best to keep gravel, chemicals, and debris out of drainage systems
- Clean up leaks and spills
- Use your spill kits

Materials Storage

- Store oil, grease, chemicals and other hazardous materials in containers on spill pallets
- Do not stockpile sediment, aggregate, sand, or asphalt near drainage systems
- Store materials in covered areas where possible
- Make sure that storage areas for chemicals and fuels have double containment

Building and Grounds Maintenance

- Clean up after yourself
- Keep solid waste in containers away from drainage systems
- Periodic brooming of the maintenance yard

The less contained, the less ideal...



The less contained, the less ideal...

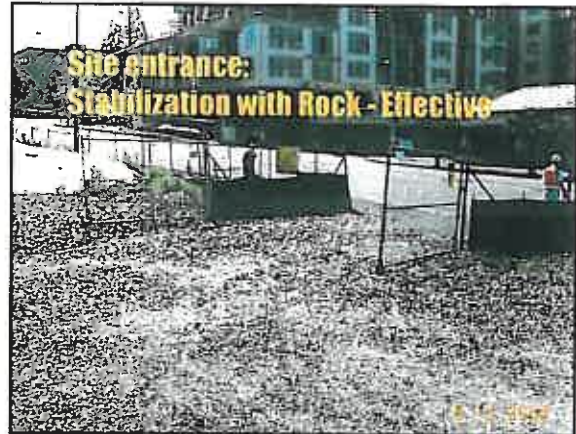


Covered, contained storage areas are ideal...



Dumpsters are the best bet











Recap

Pollutant	Source	BMPs
Sediment	Any disturbed areas, pile entrances, run-on waters, excavation, discharge points	1. Prevent erosion by stabilizing 2. Capture sediment on site
oil (high)	Concrete/grout batching and washout areas	3. Prevent discharge of concrete/mortar
Oil, grease & other toxic pollutants	Storage, maintenance and fueling areas	4. Prevent contact with storm water
Litter & debris	Throughout site, storage areas	5. Contain in bins / dumpsters & remove from site

