

**POST FALLS HIGHWAY DISTRICT
STORM WATER MANAGEMENT PROGRAM**



2018 ANNUAL REPORT

Storm Water Discharges from Small Municipal Separate Storm Sewer Systems

Permit Effective Dates: January 1, 2009 - December 31, 2013
Currently Operating Under an Administrative Extension

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, 2018 to December 31, 2018

C. STATUS OF STORM WATER MANAGEMENT PROGRAM

1. **Public Education and Outreach:**

a. *General summary of accomplishments to date:*

A mail out was distributed in 2018 to residents who front District rights-of-way where the MS4 is present. A revised mail out was developed in 2015 to attract new interest from the recipients. This mail out contained information about Healthy Household Habits for Clean Water and was produced specifically for the District's MS4. A total of 111 flyers were mailed. A copy of the flyer and the mailing list are attached in Appendix A.

The PFHD has a partnership with the Panhandle Stormwater & Erosion Education Program (SEEP). The PFHD has contributed \$1900 to SEEP to date. The PFHD displays SEEP brochures at its office and the SEEP trailer is periodically located at its office to serve as an advertisement for the program. SEEP field manuals are distributed with utility permits and PFHD maintenance staff members maintain a SEEP certification. The PFHD has 16 maintenance staff that are SEEP certified. See Appendix A for PFHD Staff Seep Certification List.

The NPDES MS4 Permit and Annual Reports are posted to the PFHD's website. The website was redeveloped in its entirety during the summer of 2018. There is no data available prior to September of 2018. The NPDES Annual Reports have had 25 hits from September through December of 2018.

The PFHD, Lakes Highway District, and East Side Highway District joined with the University of Idaho through the Cleaner.Water.Faster. grant to develop a PSA and an interpretive sign. The PSA focused on the Highway Districts' efforts at reducing stormwater pollution through maintenance activities. The PSA video was filmed on September 19, 2017 and in October of 2018 the video was completed and published on YouTube and linked by the University of Idaho website. The PFHD is working now to provide the video on their website. The interpretive sign also focuses on Highway Districts' maintenance efforts at reducing pollution in stormwater runoff. The interpretive

sign will be installed by the City of Coeur d’Alene’s Parks Department along the Centennial Trail in the Spring of 2019. A copy of the interpretive sign is included in Appendix A.

The PFHD joined the City of Coeur d’Alene, Lakes Highway District, and East Side Highway District in supporting “Earth Day Celebration 2018” on April 22, 2018. This open to the public forum provided exhibits in a fun, educational, and informational setting to educate local residents and visitors how to protect and preserve the environment 365 days per year. This public outreach effort included storm water demonstrations, “Get Involved Booths”, crafts and egg hunts, and outreach events for adults and children. See Appendix A for event advertisement and photos of the event.

The PFHD also supported the multi-jurisdictional Silverwood Physics and Science Day on May 15 & 16, 2018 at Silverwood Theme Park in Athol, Idaho. This is an event focused on middle and high school students and incorporates educational competitions including learning about the aquifer, storm water to ground water connections, environmental science, engineering, and construction skills. This event included IDEQ, the City of Coeur d’Alene, Post Falls Highway District, Lakes Highway District, and East Side Highway District. See Appendix A for the advertisement of this event.

The PFHD also supported the City of Coeur d’Alene’s efforts to distribute the “Storm Drain Dan” coloring book to children to foster an awareness of the connection between storm water and waters of the US.

The PFHD in cooperation with the City of Coeur d’Alene, Lakes Highway District, and East Side Highway District participated in two daylong storm water presentations on April 24 & 25, 2018 during “Idaho Water Awareness Week” to Ramsey Elementary Students at the City of Coeur d’Alene Wastewater Treatment Plant. A stormwater pollution prevention awareness discussion was accompanied with the presentation of the “Only Rain Down the Drain” website game. See a handout distributed during the stormwater class to support the game and discussion in Appendix A.

The PFHD involvement has ceased with the Regional Water Quality Public Educators Work Group as the group did not schedule any additional meeting in 2018.

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, the 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 storm water coalition meeting and sent engineering representatives to work on joint alternative storm water treatment demonstration project concepts. PFHD believes the “Healthy Household Habits for Clean Water” mail out (in Appendix A) 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:

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

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

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

Ten (10) pieces of storm water related literature were distributed to the general public at the District's office in 2014.

Six (6) pieces of storm water related literature were distributed to the general public at the District's office in 2015.

Five (5) pieces of storm water related literature were distributed to the general public at the District's office in 2016.

Seven (7) pieces of storm water related literature were distributed to the general public at the District's office in 2017.

Three (3) pieces of storm water related literature were distributed to the general public at the District's office in 2018.

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:

The PFHD will do the following during the 2019 calendar year:

- Continue staff training for illicit discharge detection and reporting, and proper maintenance procedures.
- Approve Associated Highway District Standard changes to support working with partners to jointly address MS4/NPDES issues through implementation of District Standard policies.
- Mail a storm water-related flyer or provide similar information to residences along the MS4.
- Make additional contributions to SEEP if needed and continue to participate in SEEP sponsored events.
- Development of the Interpretive Sign that was co-sponsored by Post Falls Highway District, Lakes Highway District, and East Side Highway District as part of the Cleaner. Water. Faster. grant won by the University of Idaho to develop an Interpretive Trail for public education (see Appendix A).

- Continue to participate in additional educational open houses, school presentations, and teacher presentations regarding storm water pollution prevention and other related topics with local agencies and the general public.
- Continue to distribute SEEP BMP field manuals with utility permits.
- Maintain and continue to update the 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.
- Post the PSA on the PFHD website.

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 SWMP was reviewed and no changes were proposed or implemented in 2018.

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:

The PFHD has not held any meetings for the specific purpose of discussing storm water management but continues to hold its regular public meetings. The 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.

The PFHD's website has been updated to include all relevant SWMP documents and will post the 2018 Annual Report.

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 has provided applicable public notice requirements and web site updates to achieve 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:

The PFHD will do the following during the 2019 calendar year:

- Continue to attend any MS4 coordination meetings.
- Participate in the SEEP Partnership with the University of Idaho.
- Update its website with information relevant to the SWMP as it becomes available.
- Participate in and/or sponsor one multi-jurisdictional Environmental Open House, Earth Day Celebration and/or Science and Physics Fair.

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 developed a revised MS4 Outfall Map. The previous map identified a number of outfalls as being point source discharges to waters of the US, which after further review were determined not to be point source discharges. These outfalls have been removed from the map. The revised MS4 Outfall Map can be found in Appendix B. The PFHD 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 joint training session that included illicit discharge and best management practice education with Lakes Highway District and East Side Highway District on December 7, 2018. The training session included a presentation by the District's consulting engineer, Laura Winter, regarding MS4 areas, BMPs, and Illicit Discharge Detection and Elimination. This included an interactive Power Point presentation on outfall protection, maintenance, and good housekeeping.

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.

2018 Dry Weather Screening Activities

Dry weather screening was conducted by Ruen-Yeager & Associates, Inc. Engineering Staff on July 9, 2018 on all the District's outfalls. We noted the following as provided in the "Preliminary Dry Weather Monitoring Report" Field Report in Appendix B:

1. Three (3) Outfalls had active flow
 - Outfall Number 20 had a flow described as less than 5 gallons per minute without any unusual deposits, vegetation, or conditions.
 - Outfall Number 21 had a flow described as less than 5 gallons per minute without any unusual deposits, vegetation, or conditions.
 - Outfall Number 27 had a flow described as less than 1 gallon per minute without any unusual deposits, vegetation, or conditions.
2. No observations of illicit discharges were noted.
3. Photos were taken of all outfalls, either at their inlets or outlets, depending on accessibility or clarity of field conditions.

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:

The PFHD believes that it is in compliance to the best of its ability. The PFHD is not able to adopt an illicit discharge ordinance because it does not have authority to do so, 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 "Dry Weather Monitoring Report" in Appendix B.

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:

The PFHD will do the following during the 2019 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. The PFHD will also assist with review & monitoring of private construction projects that discharge to its MS4. The 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:

The PFHD believes it is in compliance to the best of the District's ability. The 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:

See "Dry Weather Monitoring Report" in Appendix B. There were no suspect flows.

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:

The PFHD will do the following during the 2019 calendar year:

- Continue to develop, discuss with the Associated Highway District supervisors and commissioners, and adopt when finalized the NPDES related standards approved for inclusion in the next 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 the appropriate 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 to EPA and Kootenai County any detected illegal construction storm water discharges.
- 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:

No changes to the SWMP are anticipated.

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 the PFHD's jurisdiction. PFHD design and construction practices have historically followed the principals of the ordinances. The 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.

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 PFHD developed and implemented storm water erosion control Best Management Practices in the execution of PFHD projects in the area. The PFHD has made every effort to maintain compliance through the placement, planning, and maintenance of these BMPs which has resulted in no erosion, no sedimentation and no impact conditions.

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:

The PFHD will do the following during the 2019 calendar year:

- Continue efforts to advocate NPDES standards to be included in the Associated Highway Districts Highway Standards.
- 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, December 4, 2013, December 22, 2014, December 11, 2015, and November 29, 2016, December 14, 2017, and December 7, 2018. Included in Appendix C are the sign-in attendance sheets for the training and a copy of the presentation.

The District 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:

The PFHD will do the following during the 2019 calendar year:

- Conduct another training session for PFHD employees in 2019 on good housekeeping, bmps, and illicit discharge detection.
- 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. REQUIRED DOCUMENTS AND REPORTS

1. Storm Water Management Plan is posted on the website.
2. MS4 Map is posted on the website.
3. Public Education & Outreach Documents are attached in Appendix A.
4. Revised MS4 Outfall Map & 2018 Dry Weather Screening Report is attached in Appendix B.
5. Record of attendance and copy of presentation for PFHD Staff Training is included in Appendix C.

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)

2-11-19

Date Signed

Kelsin Brownsberger, Lead Supervisor

Name & Title (printed)

Appendix A

HUMPHREY, JEFFERY C
OR CURRENT RESIDENT
3839 E 17TH AVENUE
SPOKANE, WA 99223

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

SUSAN LONGDEN SURVIVORS
TRUST
OR CURRENT RESIDENT
361 S LOWER CRYSTAL BAY RD
POST FALLS, ID 83854

CARLSON, NATALIE L
OR CURRENT RESIDENT
459 S LOWER CRYSTAL BAY RD
POST FALLS ID 83854

CAYKO, ROD
OR CURRENT RESIDENT
475 S LOWER CRYSTAL BAY RD
POST FALLS, ID 83854

HOAG, CHARLES
OR CURRENT RESIDENT
527 S LOWER CRYSTAL BAY RD
POST FALLS ID 83854

MCKITTRICK, WALLIS
OR CURRENT RESIDENT
500 S LOWER CRYSTAL BAY RD
POST FALLS, ID 83854

JAMES C GEORGE AND VALERIE J
GEORGE
OR CURRENT RESIDENT
11309 W CRYSTAL BAY RD
POST FALLS ID 83854

LITSCHESKI, MICHAEL
OR CURRENT RESIDENT
11351 W CRYSTAL BAY RD
POST FALLS ID 83854

PALMER, ANN M
OR CURRENT RESIDENT
11381 W CRYSTAL BAY RD
POST FALLS ID 83854

BOURASSA, CRAIG A
OR CURRENT RESIDENT
11417 W CRYSTAL BAY RD
POST FALLS ID 83854

LYON, JERRY C
OR CURRENT RESIDENT
11142 W RIVERVIEW DR
POST FALLS ID 83854

SPRUTE, GAYLE M
OR CURRENT RESIDENT
246 S LOWER CRYSTAL BAY RD
POST FALLS ID 83854

CMF 323 NORTH OAK FAMILY
PTSHP
OR CURRENT RESIDENT
547 S LOWER CRYSTAL BAY RD
POST FALLS, ID 83854

BOWEN, AIMEE
OR CURRENT RESIDENT
11074 W RIVERVIEW DR
POST FALLS ID 83854

PETER AND VALERIE STOHL
OR CURRENT RESIDENT
10982 W RIVERVIEW DR
POST FALLS ID 83854

ZHONG, RUINIAN
OR CURRENT RESIDENT
PO BOX 3115
POST FALLS, ID 83877

LEWIS, J
OR CURRENT RESIDENT
11124 W RIVERVIEW DR
POST FALLS ID 83854

SCOGGIN, JEFF D
OR CURRENT RESIDENT
11024 W RIVERVIEW DR
POST FALLS ID 83854

PATTERSON, JEAN
OR CURRENT RESIDENT
10967 W RIVERVIEW DR
POST FALLS, ID 83854

HARMON FAMILY TRUST
OR CURRENT RESIDENT
11075 W RIVERVIEW DR
POST FALLS ID 83854

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

DETAR, THOMAS
OR CURRENT RESIDENT
3135 S SCHILLING LOOP
POST FALLS ID 83854

DETAR, THOMAS
OR CURRENT RESIDENT
994 S PENNY LN
POST FALLS, ID 83854

OR CURRENT RESIDENT
BASSLER, RAYMOND
1031 S PENNY LN
POST FALLS ID 83854

PROCK, ARTHUR
OR CURRENT RESIDENT
1079 S PENNY LN
POST FALLS ID 83854

HANKES, MATTHEW BEIER
OR CURRENT RESIDENT
4273 S SCHILLING LOOP
POST FALLS ID 83854

EVANS, STEPHEN
OR CURRENT RESIDENT
943 S PENNY LN
POST FALLS ID 83854

SNIDER, LYLE
OR CURRENT RESIDENT
962 S PENNY LN
POST FALLS ID 83854

COLLINS, TRACY
OR CURRENT RESIDENT
887 S PENNY LN
POST FALLS ID 83854

WHEELER DENNIS E
OR CURRENT RESIDENT
4289 S SCHILLING LOOP
POST FALLS ID 83854

SULLIVAN ERRIN M
OR CURRENT RESIDENT
4375 S SCHILLING LOOP
POST FALLS ID 83854

KLEMO, KEITH
OR CURRENT RESIDENT
927 S PENNY LN
POST FALLS ID 83854

STEINER MICHAEL D
OR CURRENT RESIDENT
847 S PENNY LN
POST FALLS ID 83854

MAYO, R
OR CURRENT RESIDENT
825 S PENNY LN
POST FALLS ID 83854

BRONSTEIN, CHERIE
OR CURRENT RESIDENT
4419 S SCHILLING LOOP
POST FALLS ID 83854

COHEN, CODY
OR CURRENT RESIDENT
787 S PENNY LN
POST FALLS ID 83854

MATTHEW AND ANDREA SMITH OR
CURRENT RESIDENT
LIVING TRUST
2346 S COMET TRL
POST FALLS ID 83854

TOWNE, ROBIN
OR CURRENT RESIDENT
767 S PENNY LN
POST FALLS ID 83854

SLCK COMMERCIAL PROPERTIES
LLC
OR CURRENT RESIDENT
737 S PENNY LN
POST FALLS ID 83854

WALSH, JASON D
OR CURRENT RESIDENT
2322 S COMET TRL
POST FALLS ID 83854

GRANT, PAMELA
OR CURRENT RESIDENT
691 S PENNY LN
POST FALLS ID 83854

RICHARDS, DONALD E
OR CURRENT RESIDENT
2253 S COMET TRL
POST FALLS ID 83854

READ, LEONARD W
OR CURRENT RESIDENT
525 S PENNY LN
POST FALLS ID 83854

PAULITZ, GREGORY
OR CURRENT RESIDENT
547 S PENNY LN
POST FALLS ID 83854

HAWLEY, STACY L
OR CURRENT RESIDENT
567 S PENNY LN
POST FALLS ID 83854

MONTY R AND DEANNA L MURPHY
OR CURRENT RESIDENT
655 S PENNY LN
POST FALLS ID 83854

GOECKNER, CHRIS
OR CURRENT RESIDENT
808 S PENNY LN
POST FALLS ID 83854

CONRAD, GEORGE
OR CURRENT RESIDENT
752 S PENNY LN
POST FALLS ID 83854

DALE THOMAS AND GAIL M OR
CURRENT RESIDENT
WORDEN LIVING TRUST
706 S PENNY LN
POST FALLS ID 83854

MUSCH, BRAD
OR CURRENT RESIDENT
678 S PENNY LN
POST FALLS ID 83854

LEWIS, JAMES
OR CURRENT RESIDENT
652 S PENNY LN
POST FALLS, ID 83854

HUNDRUP, JARED C
OR CURRENT RESIDENT
622 S PENNY LN
POST FALLS, ID 83854

IRELAT LLC
OR CURRENT RESIDENT
608 S PENNY LN
POST FALLS ID 83854

COLEMAN, PENELOPE
OR CURRENT RESIDENT
594 S PENNY LN
POST FALLS ID 83854

QUINCY, GARY J
OR CURRENT RESIDENT
572 S PENNY LN
POST FALLS ID 83854

LYBARGER, JUANITA
OR CURRENT RESIDENT
562 S PENNY LN
POST FALLS ID 83854

STAPLETON, RICHARD E
OR CURRENT RESIDENT
14332 W RIVERVIEW DR
POST FALLS ID 83854

JACOBS, CYNTHIA
OR CURRENT RESIDENT
14104 W RIVERVIEW DR
POST FALLS ID 83854

HINTHORNE, DEBORAH L
OR CURRENT RESIDENT
12465 W RIO VISTA PL
POST FALLS ID 83854

KARWOSKI, TIMOTHY
OR CURRENT RESIDENT
12456 W RIO VISTA PL
POST FALLS ID 83854

ROBERT AND GALENDA FRANKLIN
LIVING TRUST
OR CURRENT RESIDENT
12413 W RIO VISTA PL
POST FALLS ID 83854

GALE, KEVIN L
OR CURRENT RESIDENT
12383 W RIO VISTA PL
POST FALLS ID 83854

GRACE INVESTMENTS LLC
OR CURRENT RESIDENT
12355 W RIO VISTA PL
POST FALLS, ID 83854

ELTON AND PATRICIA WEEKS
LIVING TRUST
OR CURRENT RESIDENT
14195 W RIVERVIEW DR
POST FALLS ID 83854

RINKAVAGE, THOMAS
OR CURRENT RESIDENT
14155 W RIVERVIEW DR
POST FALLS, ID 83854

LEBO, MICHAELE
OR CURRENT RESIDENT
PO BOX 2494
POST FALLS, ID 83877

HYATT, REX A
OR CURRENT RESIDENT
1099 S SPOKANE ST
POST FALLS ID 83854

BROWNLEE, VICKIE
OR CURRENT RESIDENT
1063 S SPOKANE ST
POST FALLS ID 83854

ELLISON, WILLIAM J
OR CURRENT RESIDENT
11992 W SPAN WAY
POST FALLS ID 83854

JOHNSON, RICHARD
OR CURRENT RESIDENT
PO BOX 2288
POST FALLS, ID 83877

BOOKAMER, KENNETH
OR CURRENT RESIDENT
12524 W HUGHES LN
POST FALLS ID 83854

GINGRICH, HEATHER L
OR CURRENT RESIDENT
12174 W HUGHES LN
POST FALLS, ID 83854

BARNETT, JEFFREY
OR CURRENT RESIDENT
12173 W HUGHES LN
POST FALLS ID 83854

CUSACK, RUTH A
OR CURRENT RESIDENT
11102 W RIVERVIEW DR
POST FALLS, ID 83854

SEVERANCE, MARK
OR CURRENT RESIDENT
12190 W PARKVIEW DR
POST FALLS ID 83854

GETCHIUS, THOMAS H
OR CURRENT RESIDENT
12191 W PARKVIEW DR
POST FALLS ID 83854

HUNTER, RONALD
OR CURRENT RESIDENT
12190 W PARK LN
POST FALLS ID 83854

DENNIS 2004 TRUST
OR CURRENT RESIDENT
740 S SPOKANE ST
POST FALLS, ID 83854

DILLON, MARGIE L
OR CURRENT RESIDENT
12189 W PARK LN
POST FALLS ID 83854

HOFFMAN, ROBERT C
OR CURRENT RESIDENT
12259 W SPAN WAY
POST FALLS ID 83854

WILHELM FAMILY TRUST
OR CURRENT RESIDENT
12021 W RIVERVIEW DR
POST FALLS ID 83854

FISHER, JAMES
OR CURRENT RESIDENT
11947 W RIVERVIEW DR
POST FALLS ID 83854

METCALF, KEITH A
OR CURRENT RESIDENT
11917 W RIVERVIEW DR
POST FALLS, ID 83854

DECKER FAMILY TRUST
OR CURRENT RESIDENT
PO BOX 2127
SPOKANE, WA 99210

ROCCA, JAMES
OR CURRENT RESIDENT
11843 W RIVERVIEW DR
POST FALLS ID 83854

STIGER, ROBERT
OR CURRENT RESIDENT
11831 W RIVERVIEW DR
POST FALLS ID 83854

FOWLER, CECIL
OR CURRENT RESIDENT
PO BOX 2127
POST FALLS, ID 83877

NELSON, EARL
OR CURRENT RESIDENT
11755 W RIVERVIEW DR
POST FALLS, ID 83854

RIVERVIEW GROUP LLC
OR CURRENT RESIDENT
11745 W RIVERVIEW DR
POST FALLS, ID 83854

FOWLER, GARRY
OR CURRENT RESIDENT
11717 W RIVERVIEW DR
POST FALLS ID 83854

HILL, DEBBIE S
OR CURRENT RESIDENT
11663 W RIVERVIEW DR
POST FALLS, ID 83854

JARA, FRANCISCO
OR CURRENT RESIDENT
11637 W RIVERVIEW DR
POST FALLS, ID 83854

PHILMAR CORPORATION
OR CURRENT RESIDENT
11607 W RIVERVIEW DR
POST FALLS ID 83854

GROLLMUS, JOHN
OR CURRENT RESIDENT
11593 W RIVERVIEW DR
POST FALLS ID 83854

SAMMY AND RAMONA STEPHENS
LIVING TRUST
OR CURRENT RESIDENT
11573 N RIVERVIEW DR
POST FALLS ID 83854

WILLAMETTE VALLEY REAL
PROPERTY LLC
OR CURRENT RESIDENT
11555 W RIVERVIEW DR
POST FALLS, ID 83854

PAULL, SHARON
OR CURRENT RESIDENT
11523 W RIVERVIEW DR
POST FALLS, ID 83854

BINGHAM, DWIGHT
OR CURRENT RESIDENT
11483 W RIVERVIEW DR
POST FALLS ID 83854

WALTER AND GRACE SINGER
TRUST
OR CURRENT RESIDENT
11463 W RIVERVIEW DR
POST FALLS ID 83854

WILLIAMS, MICHAEL PAUL
OR CURRENT RESIDENT
11437 W RIVERVIEW DR
POST FALLS, ID 83854

ROSTIE, CHRISTOPHER
OR CURRENT RESIDENT
11385 W RIVERVIEW DR
POST FALLS ID 83854

MELTON, JUDSON
OR CURRENT RESIDENT
11361 W RIVERVIEW DR
POST FALLS ID 83854

TEFFT, LURENE M
OR CURRENT RESIDENT
11309 W RIVERVIEW DR
POST FALLS ID 83854

MATTIODA, SUZANNE
OR CURRENT RESIDENT
PO BOX 361
POST FALLS, ID 83877

VAN DYKE, STEVEN E
OR CURRENT RESIDENT
11251 W RIVERVIEW DR
POST FALLS, ID 83854
PO BOX 315
ROSALIA, WA 99170

BARTON, TIMOTHY W
OR CURRENT RESIDENT 11013 W
RIVERVIEW DR
POST FALLS ID 83854

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

SILBERBERGER, CHARLES
OR CURRENT RESIDENT
11171 W RIVERVIEW DR
POST FALLS ID 83854

MAYFIELD, KENNETH G
OR CURRENT RESIDENT
11151 W RIVERVIEW DR
POST FALLS ID 83854

NECHANICKY, ROBERT
OR CURRENT RESIDENT
11113 W RIVERVIEW DR
POST FALLS ID 83854

Did you know?

The United States Environmental Protection Agency 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 how to prevent it.

The Permit also requires the District to monitor discharges from roadside ditches and storm drains.



For more information, visit www.postfallshd.com



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

HOW CAN YOU HELP PREVENT STORMWATER POLLUTION?

As stormwater flows over driveways, lawns, and roadways, it picks up debris, chemicals, dirt, and other pollutants. Polluted runoff is the nation's greatest threat to clean water.



STORMWATER FROM YOUR AREA FLOWS INTO THE SPOKANE RIVER UNTREATED.

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.

**NO DUMPING
DRAINS TO RIVER**



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 kgov.us/departments/solid-waste 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.





POST FALLS HIGHWAY DISTRICT

5629 E SELTICE WAY, POST FALLS ID
208-765-3717

Last Name	First Name	Expires	Dates of Last Certifications
Crumb	Brian	12/31/2020	2007, 2010, 2014, 2017
Brownsberger	Kelly	12/31/2021	2016, 2018
Hall	Travis	12/31/2021	
Hauck	Ron	12/31/2021	March 20-21, 2018
Howell	Larry	12/31/2019	2013, 2016
Ketchum	Michael	12/31/2021	2018
Likes	Les	12/31/2019	2016
Mael	Ed	12/31/2020	2012, 2014, 2017
Mitley	Travis	12/31/2018	March 2015; 2007, 2012
Neal	Randy	12/31/2019	Apr, 2008; 2016
Peterson	Dan	12/31/2021	March 2015; May 2011, 2018
Prestegaard	Eric	12/31/2020	2008, 2014, 2017
Roberts	Mark	12/31/2021	March 2015; May 2012, 2018
Werner	Terry	12/31/2021	May 8-9, 2018
Wines	James	12/31/2018	March 2015; 2007, 2010
Yerian	Dave	12/31/2020	2014, 2017

Stormwater Runoff

DECREASING POLLUTION THROUGH ROAD MAINTENANCE

YOU ARE HERE

CLEANER.
WATER.
FASTER.



EFFORTS TO KEEP STORMWATER CLEAN

ENVIRONMENTAL IMPACTS

The Highway Districts work year round using multiple methods to keep roadways, storm systems, and ditches clean from pollutants. By decreasing the amount of pollution entering the water system through stormwater runoff, the Highway Districts are taking preventative measures to help keep urban water systems clean.

MINIMIZING POLLUTION

The Highway Districts street sweep their jurisdictions several times a year to remove road surface debris and other pollutants that could end up in stormwater runoff.

Volunteers and staff members of the Highway Districts regularly perform litter control pick up to remove debris from the roads and surrounding areas.

Catch basin cleaning is another important component of the Highway Districts efforts to keep stormwater runoff clean. The Highway Districts regularly vacuum out accumulated silt, debris, and pollutants from catch basins, manholes, and inlets, to prevent stormwater runoff from flushing these pollutants into local lakes and rivers.

Did You Know?

Lakes are full of tiny creatures called zooplankton. They eat algae before fish eat them. Plankton easily mistake micro-plastics for algae. Plastics continually break down into smaller pieces, becoming microscopic beads or filaments. Micro-plastics act like sponges to absorb toxic chemicals. Once ingested, plastic moves up in the food web, increasing exposure to PCBs and toxins.

Learn More!



You Can Help!

Don't throw litter on roadways. Make sure litter ends up in a trash can. Volunteer for local litter pick up events. Maintain vehicles to prevent leaking. Never place pollutant into a catch basin or inlet, including leaves and grass clippings

Earth Day

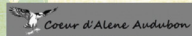
Celebration 2018

FREE
FUN FOR
ALL AGES!

A WORLD WITHOUT PLASTIC POLLUTION

SUNDAY, APRIL 22ND · NOON-4PM

Coeur d'Alene Public Library · Downtown Cda



Earth Day Celebration 2018

April 22, 2018



Stormwater Runoff Demonstration

https://www.khq.com/news/physics-and-science-days-return-to-silverwood-theme-park/article_efa15fa3-946a-5733-9ba0-11bb9f92b7ff.html

Physics and Science Days Return to Silverwood Theme Park

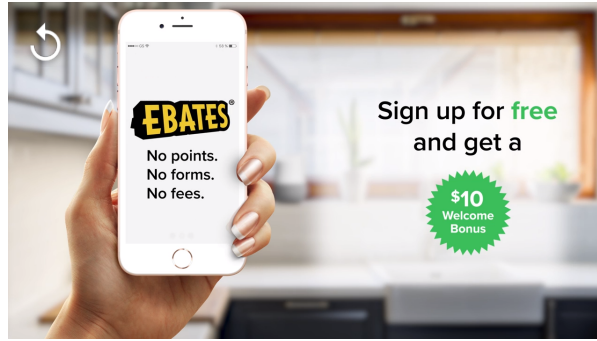
May 17, 2011



ATHOL, ID - Silverwood Theme Park is set to hold it's 15th annual Physics and Science Days.

Each year Silverwood holds this event where students can test the principles of physics and science for themselves using rides, games, and other attractions. They'll participate in educational competitions like the Amazing Egg Drop or the Coaster Building Contest, watch science-themed Discovery Channel movies, and a whole lot more.

Ad

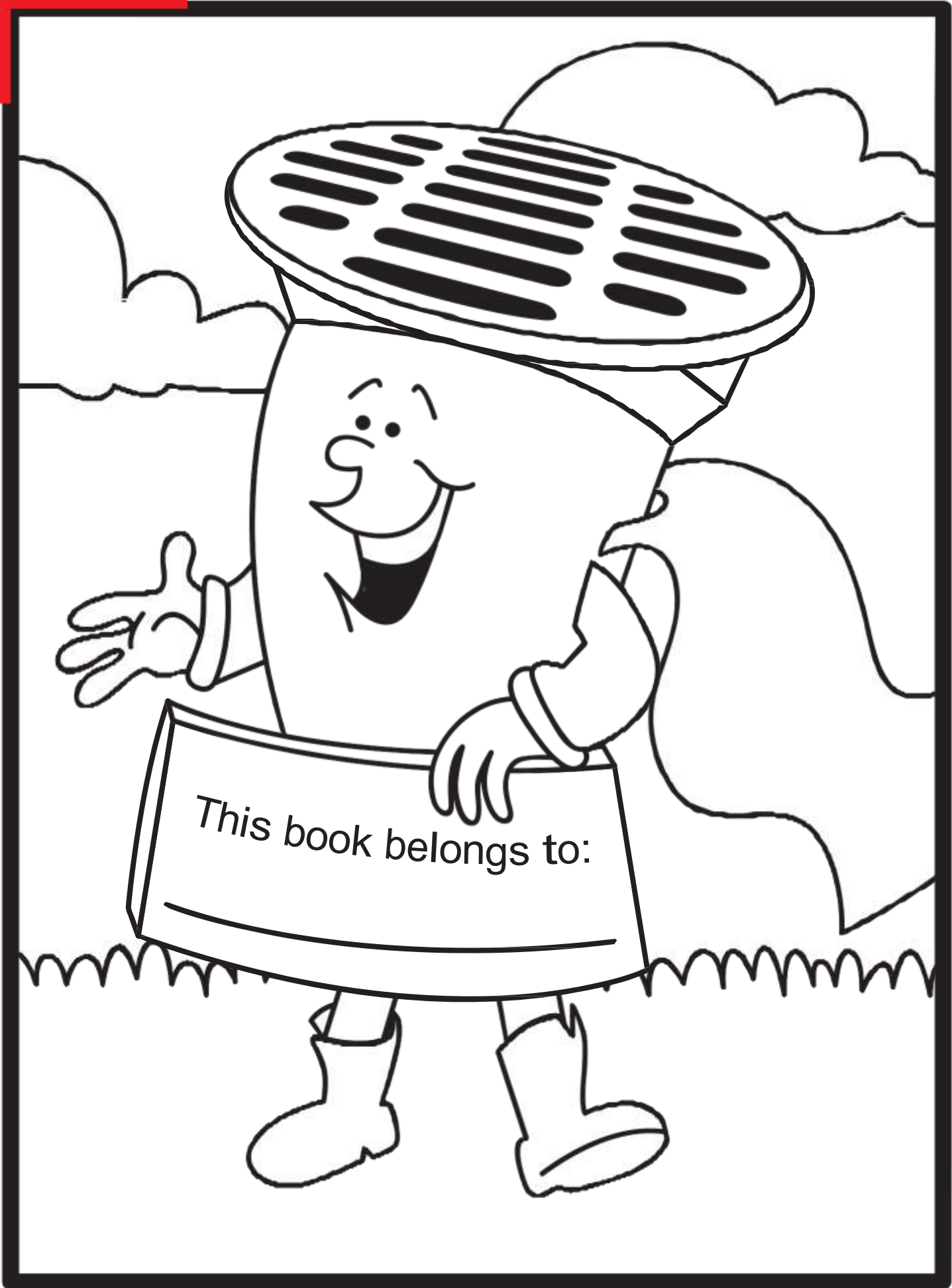


Each participating class receives a curriculum to use that includes instructions for contests and an engineering and construction skills test. Trophies and ribbons are awarded to the top 3 schools in each category. The best overall school will win \$100 in cash. School groups can call or email the park to book a trip.

STORM DRAIN DAN



Adventures in Water Pollution Prevention!



This book belongs to:

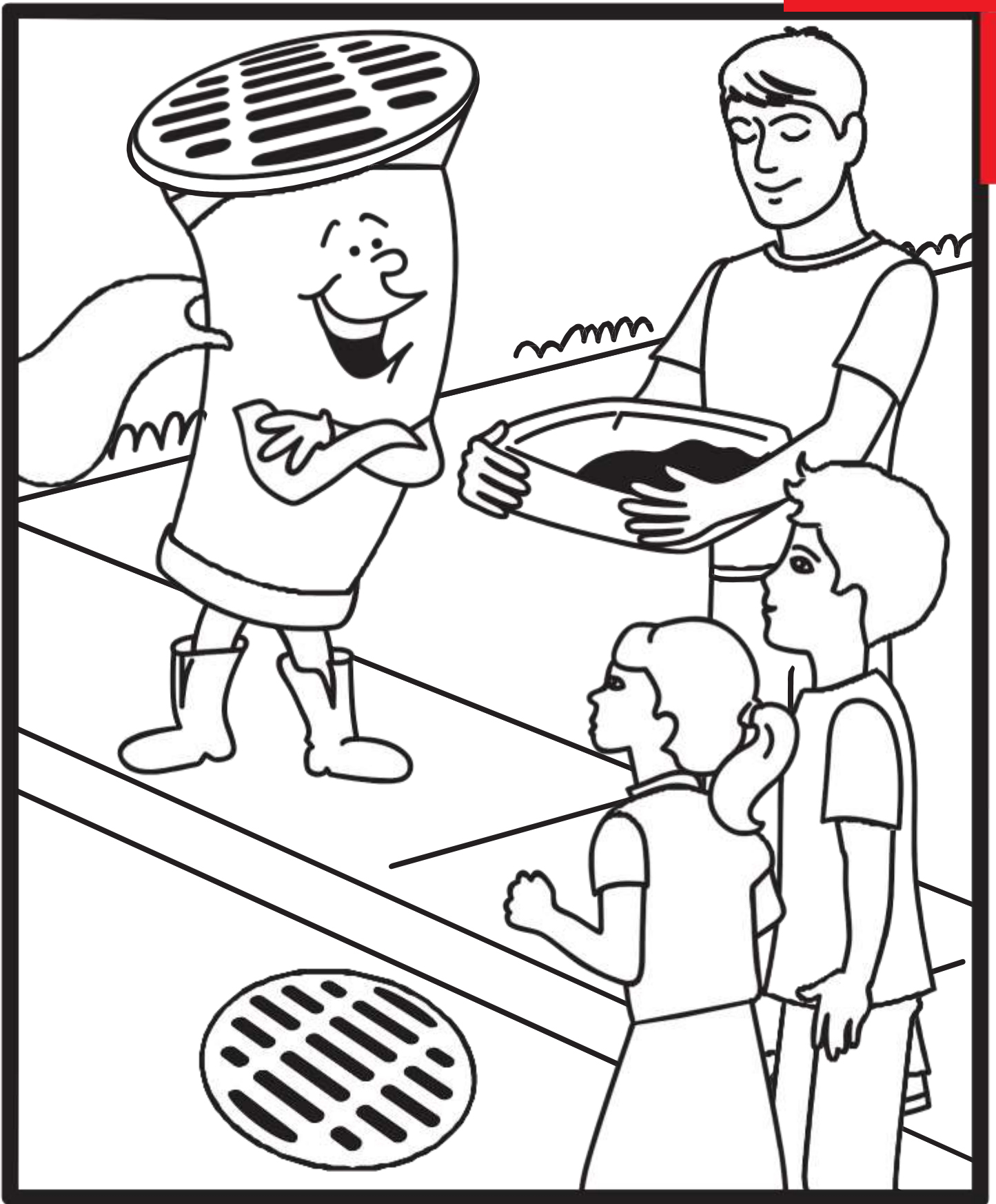


As Storm Drain Dan flies over a neighborhood, he spots a man changing the oil in his car.

“Boy, I sure hope he knows what to do with the used oil!” says Dan.

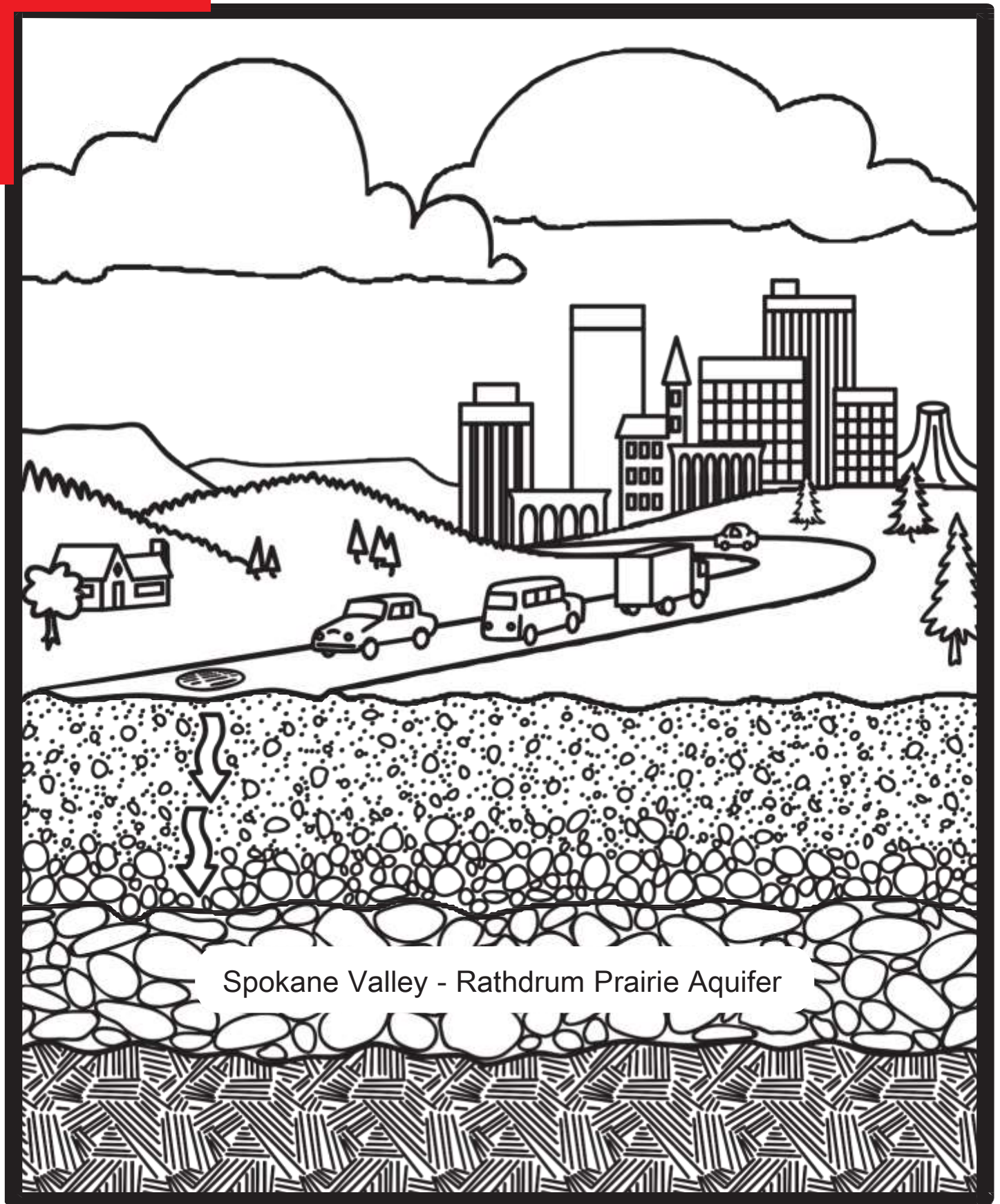


Cruising in for a landing, Storm Drain Dan says,
“Excuse me, Sir. Please don’t pour that used oil into the storm drain.”



“Hi, Jody and Johnny!” says Dan.

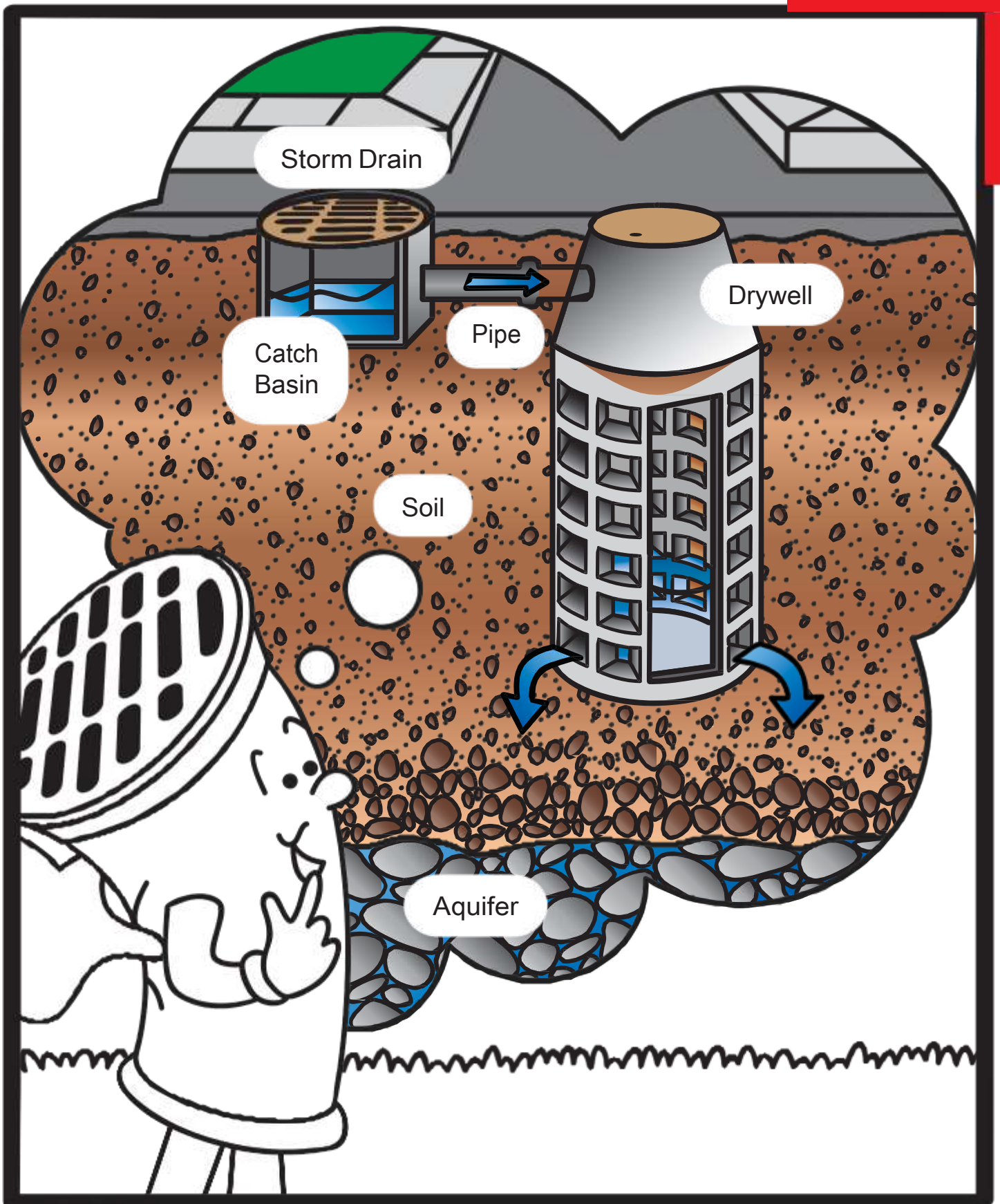
“I was just going to tell your Dad about recycling that motor oil. Do either of you know what happens when things like used oil are dumped into a storm drain?”



Spokane Valley - Rathdrum Prairie Aquifer

“Sure,” says Jody.

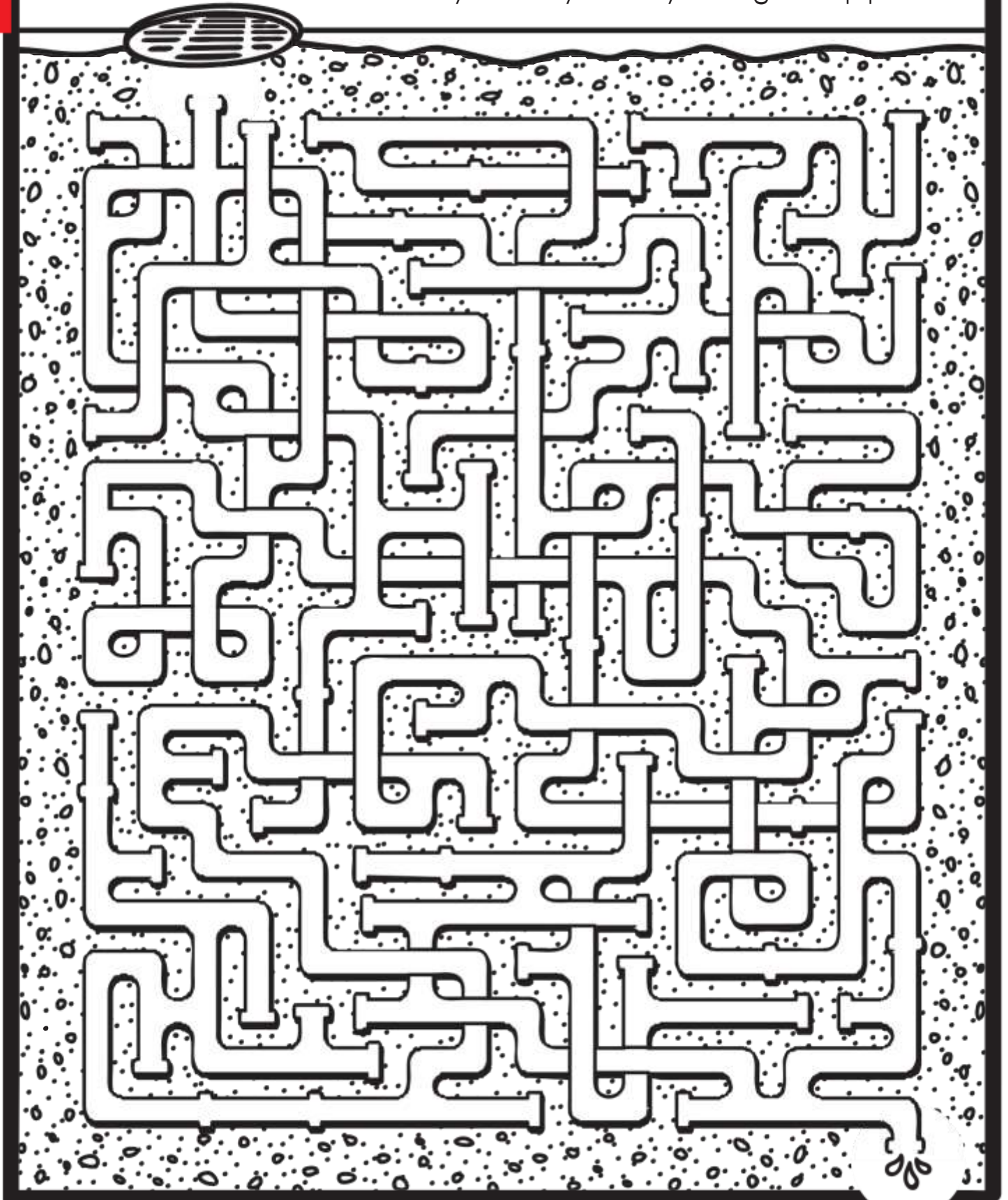
“Most storm drains infiltrate stormwater right into the ground to recharge the aquifer, and some drain right to our lakes and rivers.”



“Jody, you are absolutely right,” says Storm Drain Dan.

“This storm drain definitely isn’t connected to the sewer. Instead, the stormwater travels through pipes, drywells, and the soil before reaching the aquifer or a waterbody.”

Storm Drain Dan's
A-maze-ing Stormwater Maze
Can you find your way through the pipes?





“The pollution can infiltrate along with the stormwater to the aquifer and contaminate our drinking water,” Dan continues.

“Did you know it only takes 4 quarts of motor oil to pollute 1 MILLION gallons of water?”

Storm Drains are for Rainwater Only - Pure and Simple.

Hidden in the puzzle below are words having to do with water or common types of water pollution, including motor oil. Remember to look up, down, across, backwards, and diagonally!

H	S	A	R	T	S	I	B	I	M	S	E	U	P	J
T	S	T	O	R	M	W	A	T	E	R	L	A	E	V
M	U	N	O	I	T	U	L	L	O	P	P	V	T	T
E	Z	E	E	R	F	I	T	N	A	U	M	L	W	C
H	T	U	W	E	M	O	T	O	R	O	I	L	A	F
Y	H	N	F	U	O	D	N	E	P	L	S	E	S	F
R	E	Z	I	L	I	T	R	E	F	G	P	W	T	O
C	A	R	W	A	S	H	W	A	T	E	R	Y	E	N
S	E	C	Y	P	P	A	Q	U	I	F	E	R	C	U
	T	Q	N	V	A	G	R	U	N	F	D	Q	R	



WORD LIST

Storm Drain

Drywell

Aquifer

Stormwater

Runoff

Pollution

Motor Oil

Antifreeze

Car Wash Water

Trash

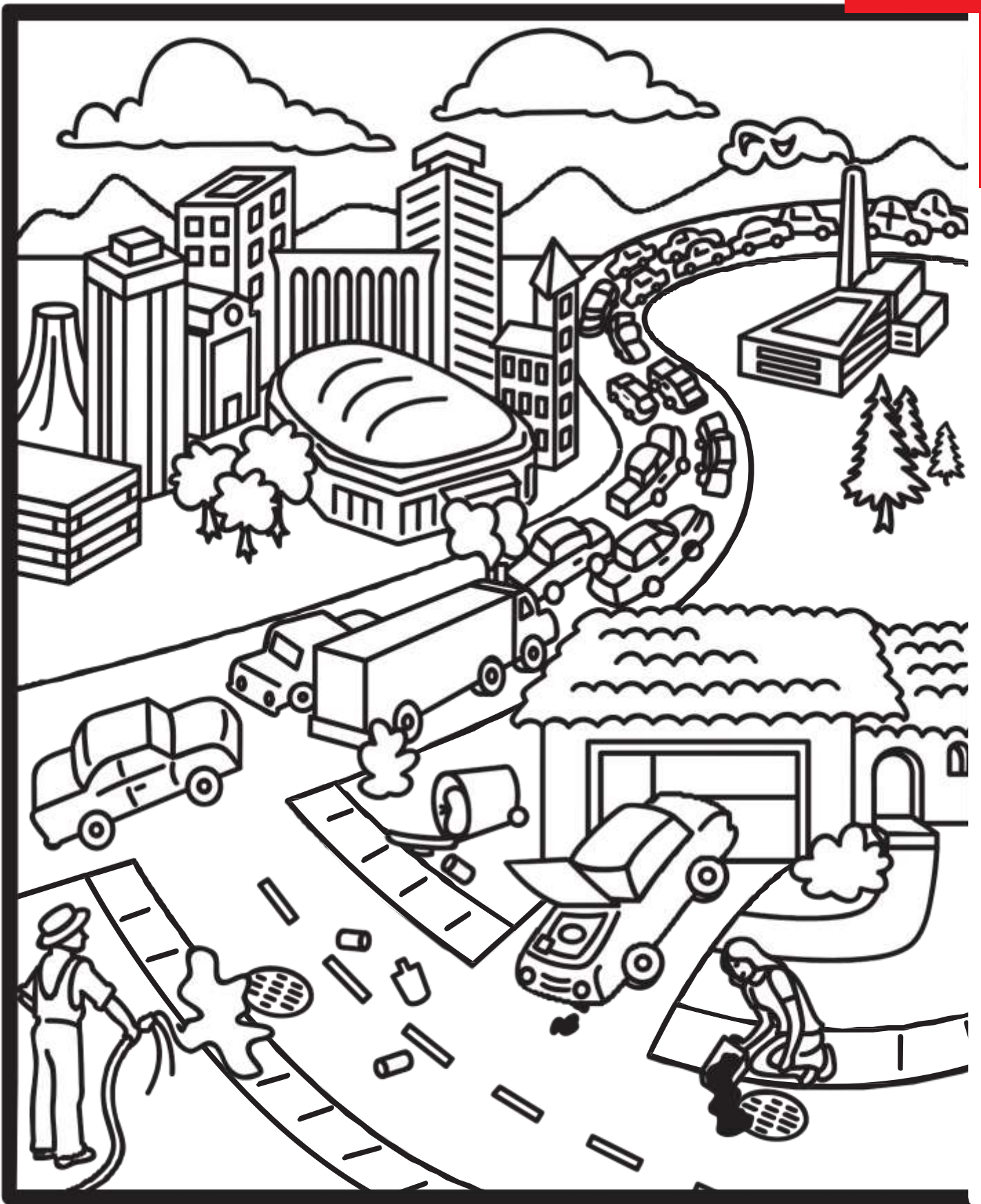
Pet Waste

Paint

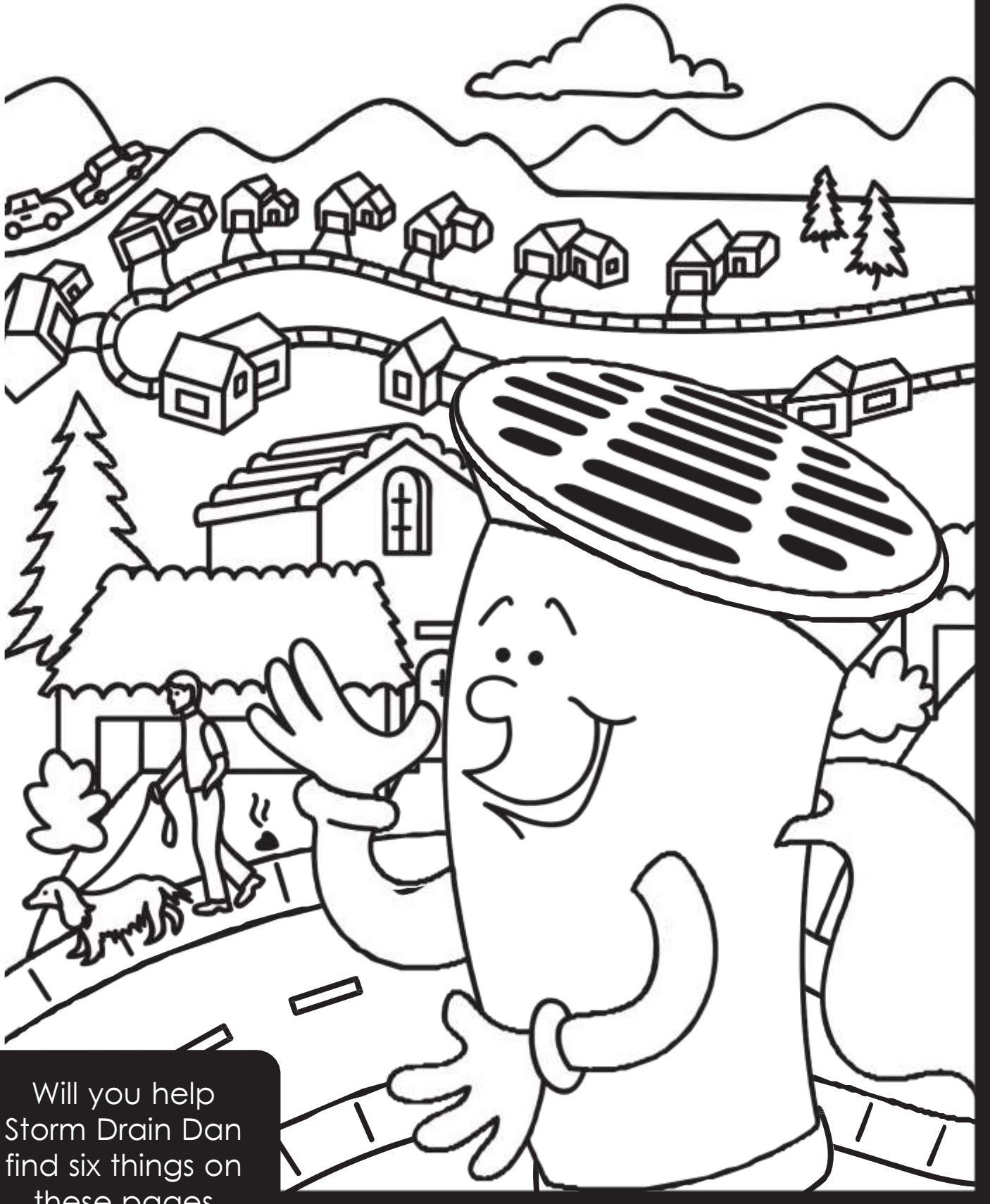
Fertilizer

Pure

Simple



“It’s very important that we remember to keep our city clean!” Johnny says.



Will you help Storm Drain Dan find six things on these pages that can pollute water or air?

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____



“Now I know that recycling our used motor oil, antifreeze, and other chemicals will help keep them from polluting the environment and our aquifer,” says Dad.



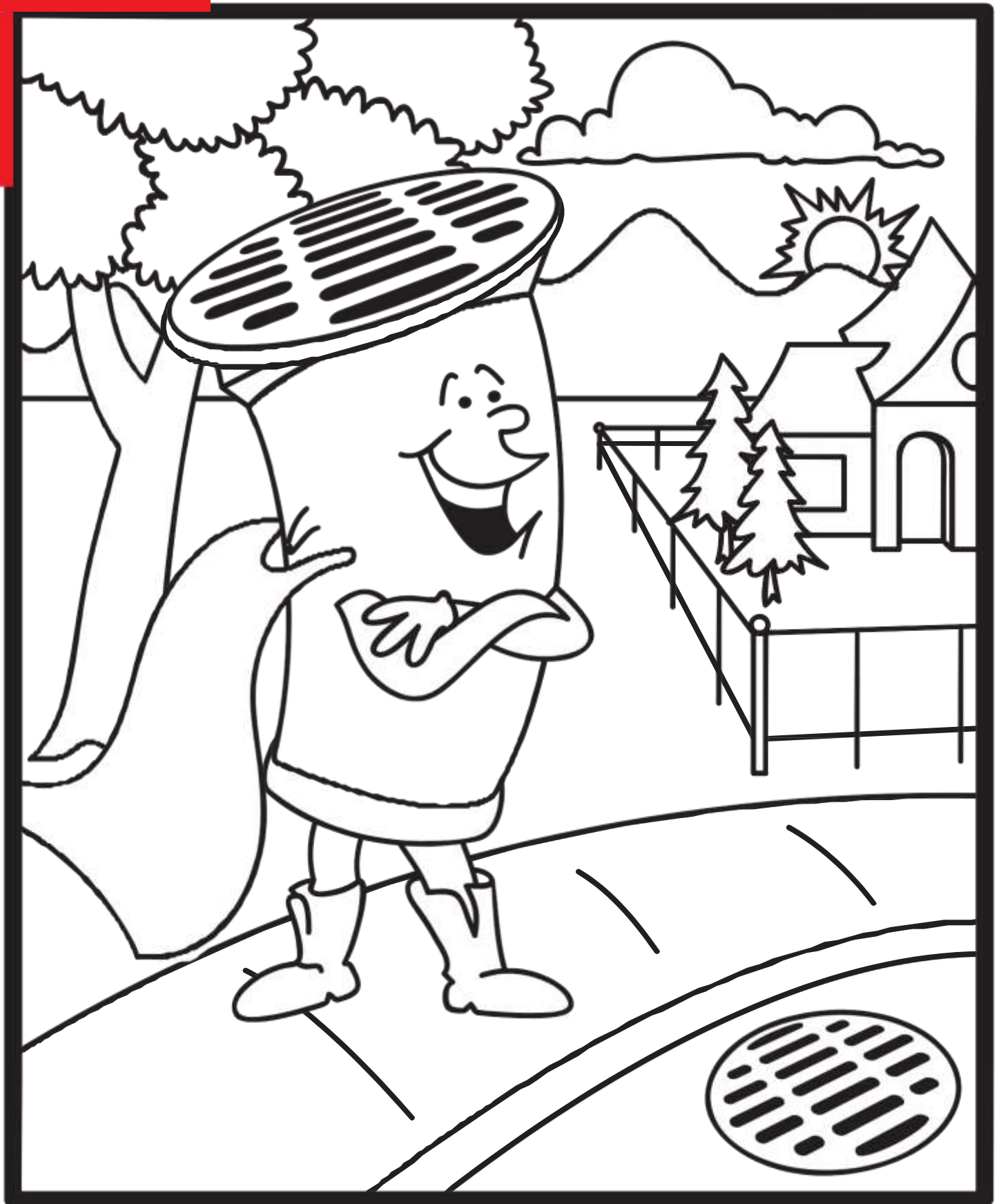
“Hey, kids, let’s take the used oil to the auto parts store to be recycled!”

“After that, I’ll treat you both to some ice cream. Storm Drain Dan is right, we can make a difference just by changing simple behaviors at our own home.”



"Thanks for the ice cream, Dad!" says Jody.

"Storm Drain Dan is the protector of our storm drain system, and he sure is great."

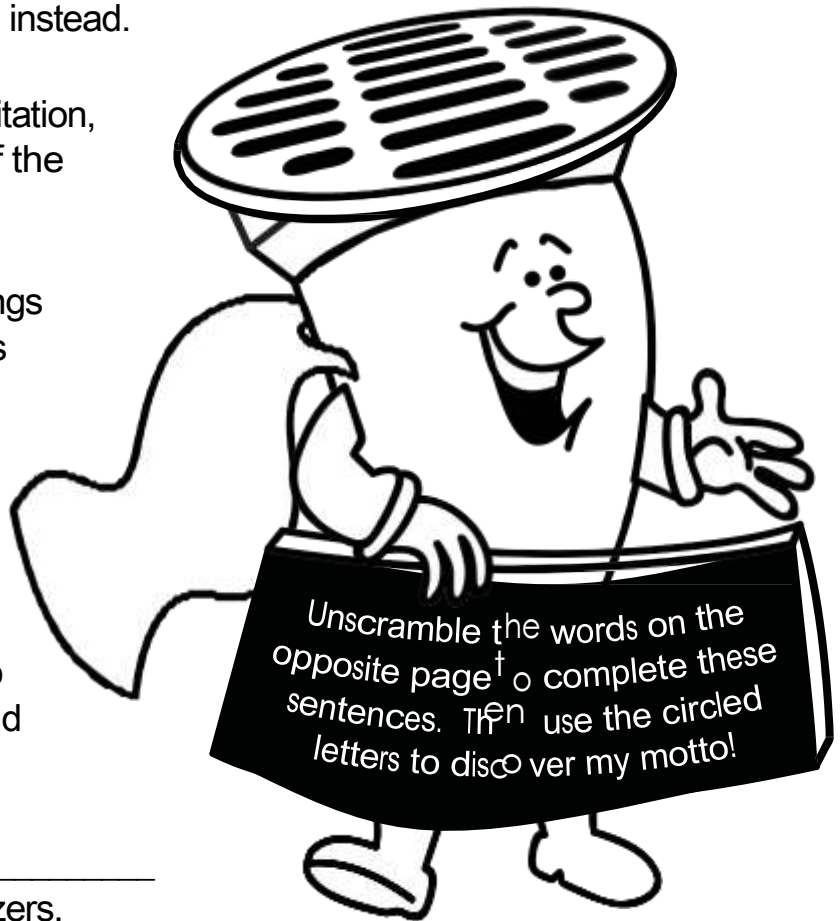


“Even one person can make a difference,” says Storm Drain Dan.
“Remember, every living thing needs clean water. So, let’s all work together
to keep the environment clean, especially stormwater, the aquifer and our
lakes and rivers !

Storm Drain Dan's

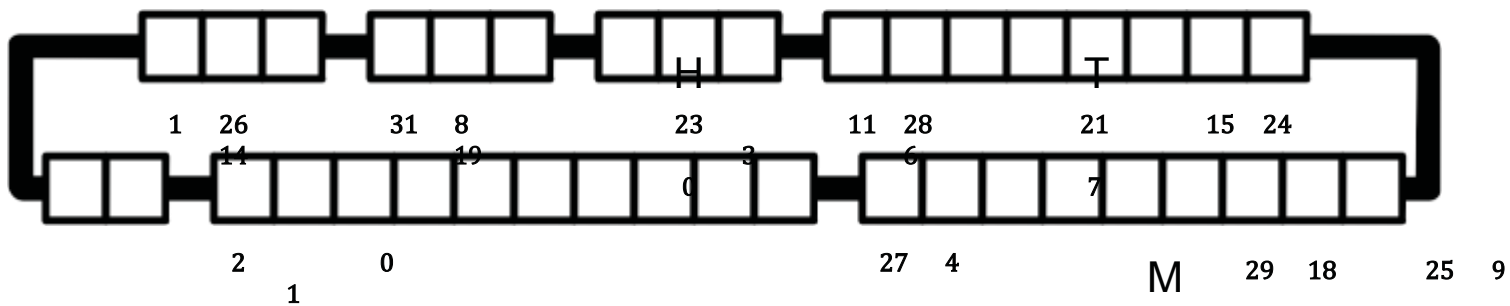
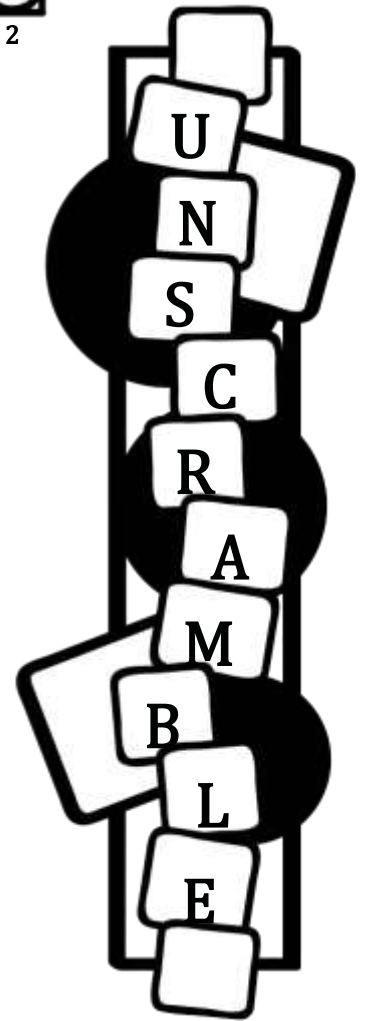
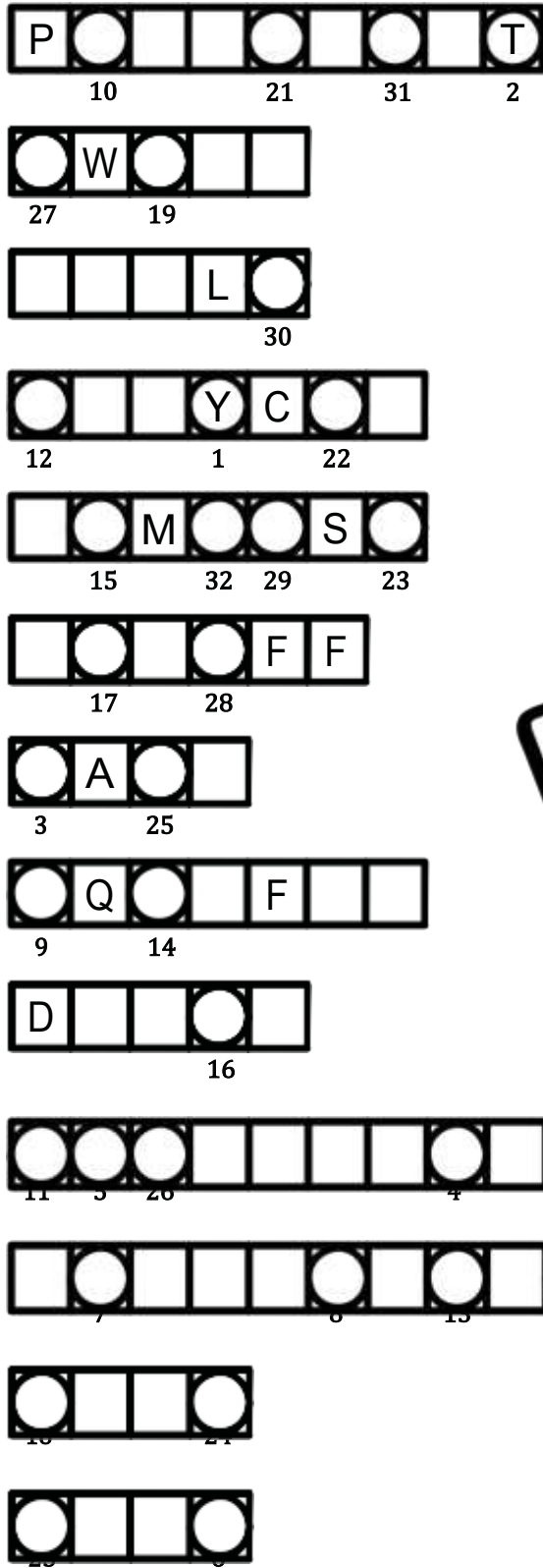
WORD JUMBLE

1. A substance that contaminates water is called a _____.
2. Instead of hosing down the driveway when it gets dirty, we should _____ instead.
3. Evaporation, condensation, precipitation, runoff, and infiltration are all parts of the water _____.
4. It's important to _____ things like motor oil, paint, and car batteries rather than throwing them away.
5. A natural fertilizer made up of decaying leaves, grass, and food scraps is called _____.
6. Stormwater that does not soak into the ground, but instead flows over land and roads is called _____.
7. Leaving grass clippings on the _____ reduces the need for chemical fertilizers.
8. An underground layer of rock, sand, or gravel that holds water.
9. Only rain should go down the storm _____.
10. Rainwater, snowmelt, or runoff from sprinklers that flows to a storm drain system.
11. "Even one person can make a _____."
12. Water that falls from the sky to the earth is called _____.
13. Drinking water is pumped up from our aquifer through one of these.





1. ANUTTLLLOP
2. EPSEW
3. LCEYC
4. CCELERY
5. MTCOOSP
6. NFFUOR
7. WNLA
8. QFIUARE
9. INRAD
10. TOSRWTREMA
11. DEFEENRFIC
12. ARNI
13. LELW





“Storm Drain Dan, I know how I can make a difference!” says Johnny.
“I’m going to stencil this storm drain to remind our neighbors that anything dumped in the street can end up polluting the aquifer.”

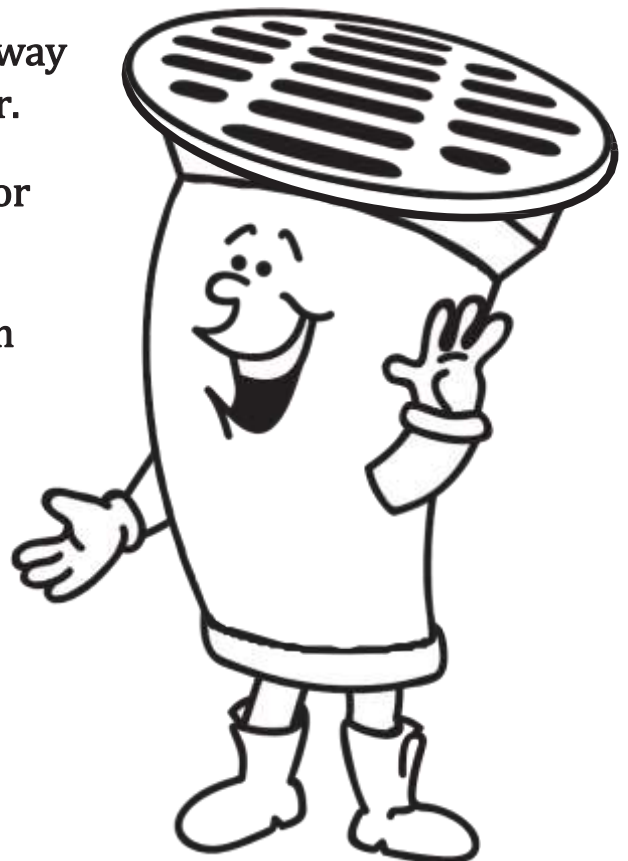
Think You Can't Make a Difference Like Johnny? You Can!

Just Take the Storm Drain Dan Clean Water Pledge.



Check at least one of the boxes that you will pledge to do in the next month that will help protect the environment and aquifer. When you've decided, sign and date the pledge at the bottom.

- I will not litter. I will put paper cups, cans, bottles, food wrappers, papers and all other trash into garbage cans or recycling bins.
- I will always carry a bag to clean up my dog's waste when I take him/her for walks at the park or around the neighborhood.
- When I help wash the family car at home, I will make sure the soapy water flows to my yard and not down the driveway into the street.
- I will pick up any grass clippings or leaves that fall into the street when I'm helping with yard work.
- I will use a broom to clean my driveway instead of hosing it down with water.
- I will use a refillable bottle or cup for my drinks whenever I can.
- I will turn off the faucet while I'm brushing my teeth.
- I will remember that only rain should go down storm drains.



My Signature

Date



Storm Drain Dan is a concrete storm drain pipe who magically came to life one day. He wants to help everyone in Spokane County understand how important it is to keep our storm drains, aquifer, and environment clean.

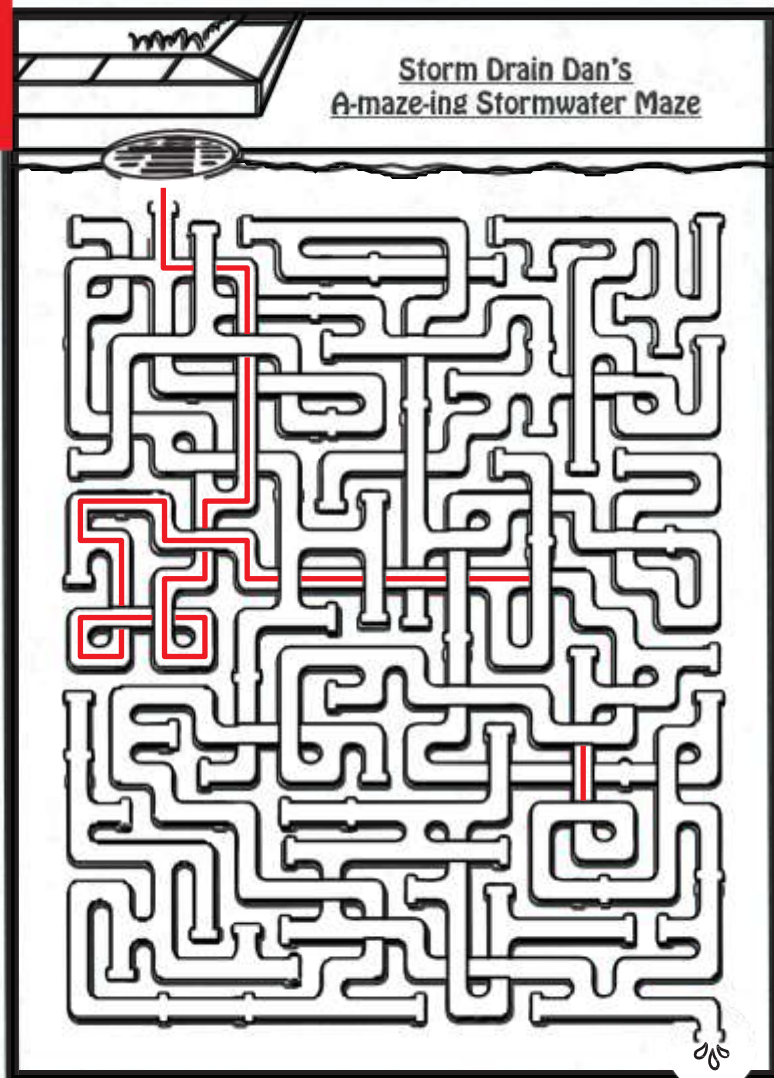
As Storm Drain Dan flies overhead, his telescopic vision (binoculars) allows him to keep an eye on the things you and I do every day. He looks for people who dump trash or oil into the street, don't clean up after their pets, don't use fertilizer or weed killers the proper way, and lots more!

Please help Storm Drain Dan plug up polluters by doing your part to keep trash and chemicals out of streets and storm drains.

Remember, Storm Drain Dan says...

“You are the solution to stormwater pollution!”

Answer Key:



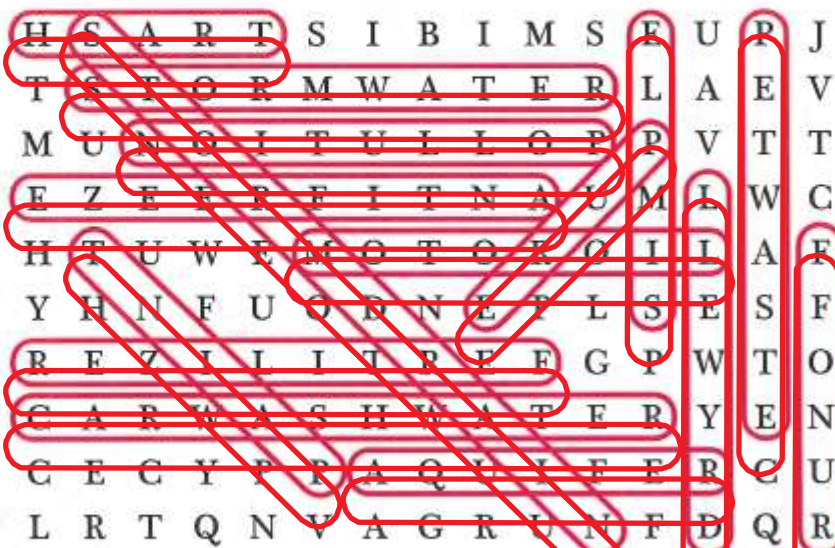
Word Jumble

1. A substance that contaminates water is called a **pollutant**.
2. Instead of hosing down the driveway when it gets dirty, we should **sweep** instead.
3. Evaporation, condensation, precipitation, runoff, and infiltration are all parts of the water **cycle**.
4. It's important to **recycle** things like motor oil, paint, and car batteries rather than throwing them away.
5. A natural fertilizer made up of decaying leaves, grass, and food scraps is called **compost**.
6. Stormwater that does not soak into the ground, but instead flows over land and roads is called **runoff**.
7. Leaving grass clippings on the **lawn** reduces the need for chemical fertilizers.
8. An underground layer of rock, sand, or gravel that holds water. **Aquifer**
9. Only rain should go down the storm **drain**.
10. Rainwater, snowmelt, or runoff from sprinklers that flows to a storm drain system. **Stormwater**
11. "Even one person can make a **difference**."
12. Water that falls to the earth is called **rain**.
13. Drinking water is pumped up from our aquifer through one of these. **Well**

Storm Drain Dan's Motto

YOU ARE THE SOLUTION
TO STORMWATER POLLUTION!

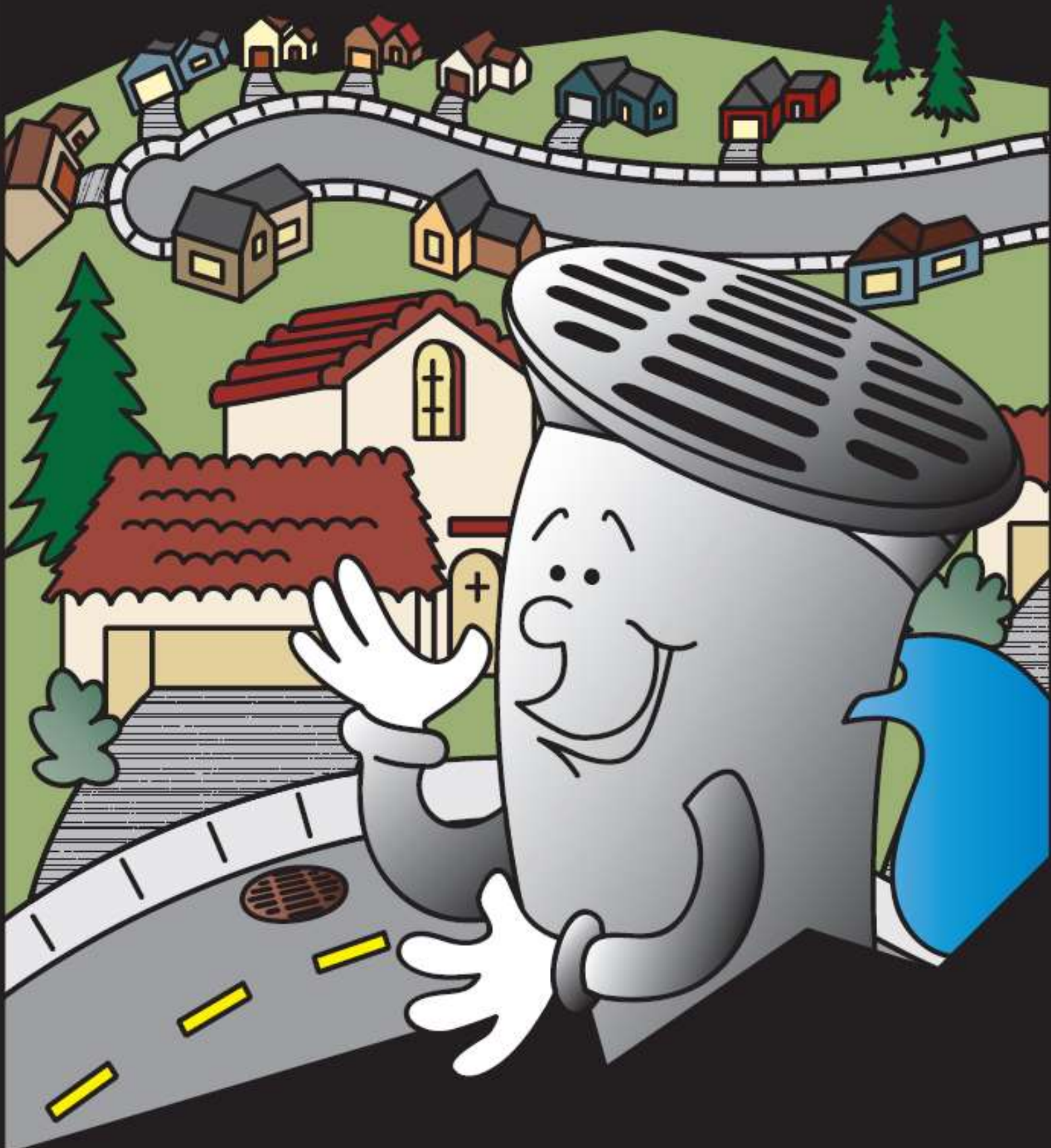
Storm Drain Dan's Word Search



Find the Pollution

1. Man washing the sidewalk instead of sweeping it;
2. Lady dumping container of liquid into the storm drain;
3. Car leaking oil or antifreeze into the street;
4. Garbage in the street;
5. Garbage can tipped over with garbage spilling out (garbage should be tied up in a bag!);
6. Factory smokestack polluting the air;
7. Too much traffic/car exhaust; and
8. Man not carrying a pooper-scooper to pick up after his dog.

Visit our website for more information! www.cdaid.org
To report someone dumping trash or chemicals into a storm drain,
street, or swale, contact the City of Coeur d'Alene at:
769-2300 or City Hotline 676-7405.



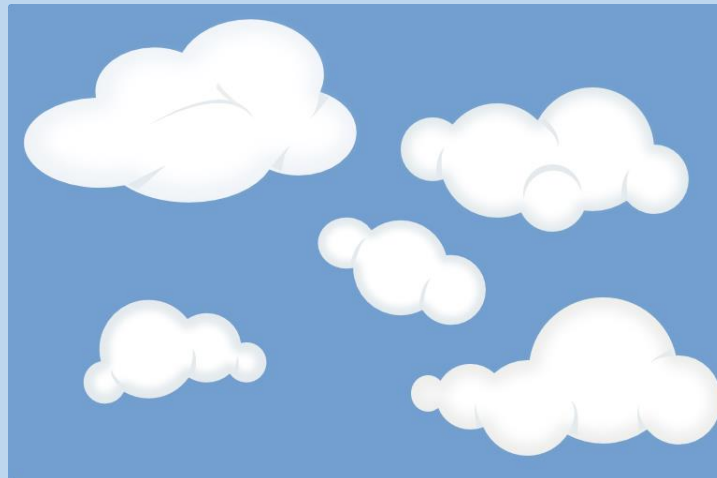
WHAT FORMS CLOUDS?

Cool Air Rising

Lightning

Water Evaporating

Snow



HOW IS THE WATER SUPPLY REFILLED?

The Accumulation of Rain, Water, And Runoff

Warm Air Lifting

Water Freezing

Clouds Growing



WHAT IS RUNOFF?

Water That Comes From Snow Melting

Rain Water That Collects On Hard Surfaces And
Doesn't Soak Into The Ground

Waste From Bathrooms,
Sinks, And Kitchens

Water That Soaks Into The
Ground



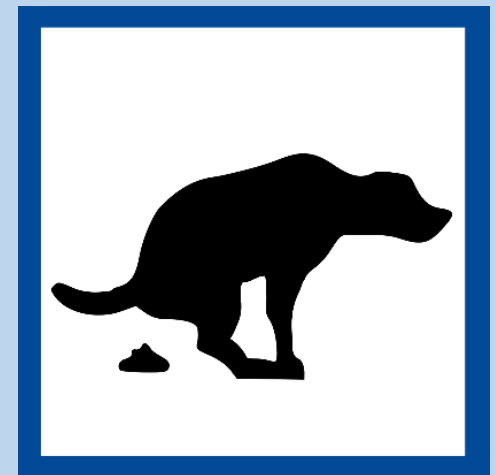
WHY SHOULD YOU ALWAYS SCOOP YOUR DOGS POOP?

Pet Waste Contains Harmful Bacteria

Because It Smells

So Your Neighbor Doesn't
Step On It

Because It Will Be Good For The Soil



HOW CAN MISUSE OF CHEMICALS IMPACT YOU?

It Will Kill Weeds

It Will Keep Unwanted Pests

It Will Help My Grass Grow

Harmful Chemicals Can Get Into Lakes & Streams



WHERE SHOULD YOU WASH YOUR CAR?

At The Carwash
In Your Driveway
On The Street
By A Stream



WHAT IS THE BEST WAY TO DISPOSE OF USED MOTOR OIL?

By Recycling It

Tossing It In Your Neighbors Yard

Dumping It In A River

Throwing It In The Trash



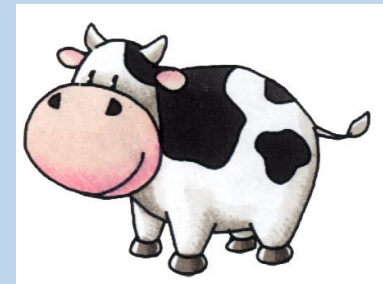
WHY SHOULD YOU KEEP LIVESTOCK AWAY FROM WATERWAYS?

To Keep Them From Getting In The Road

To Help Them Find Food

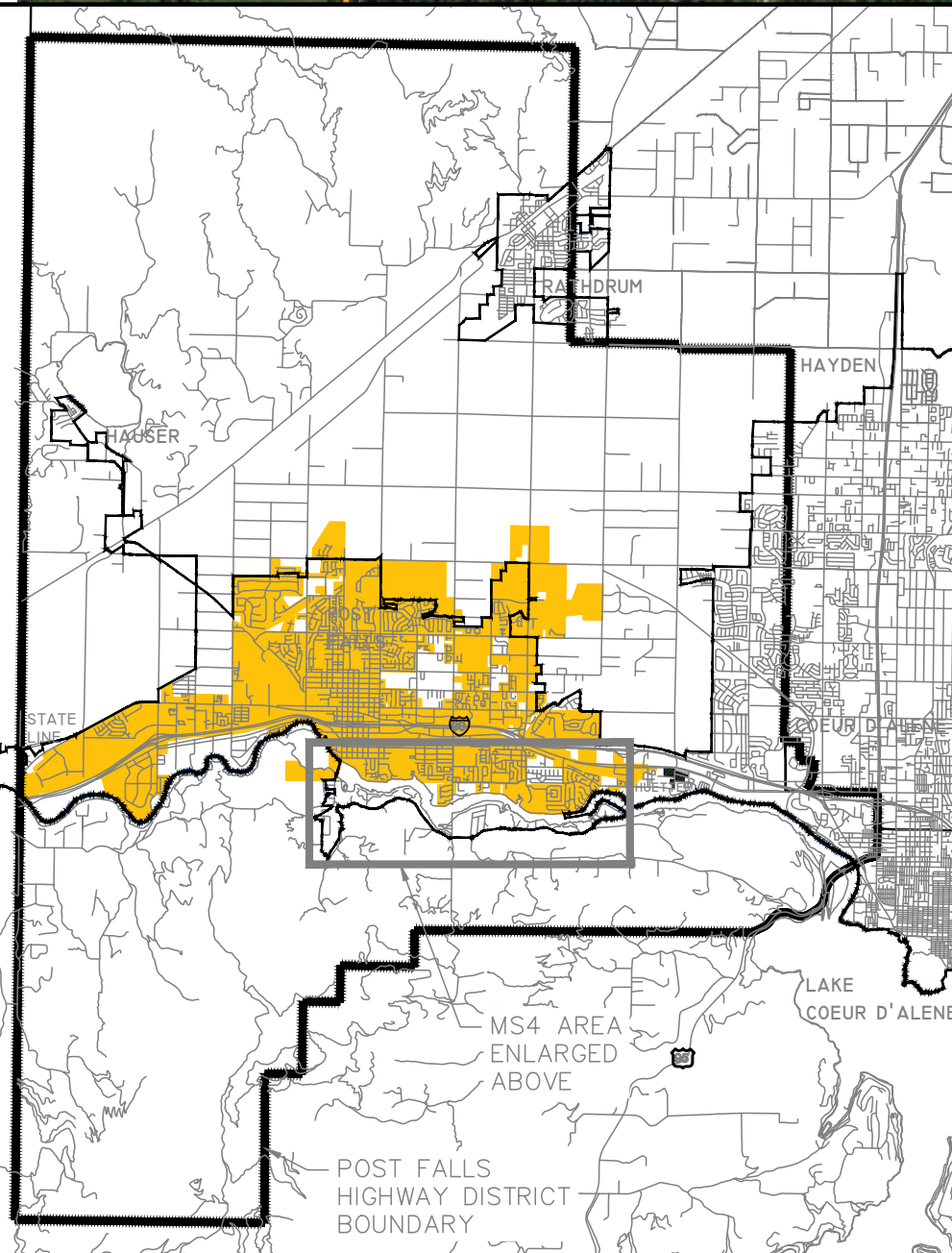
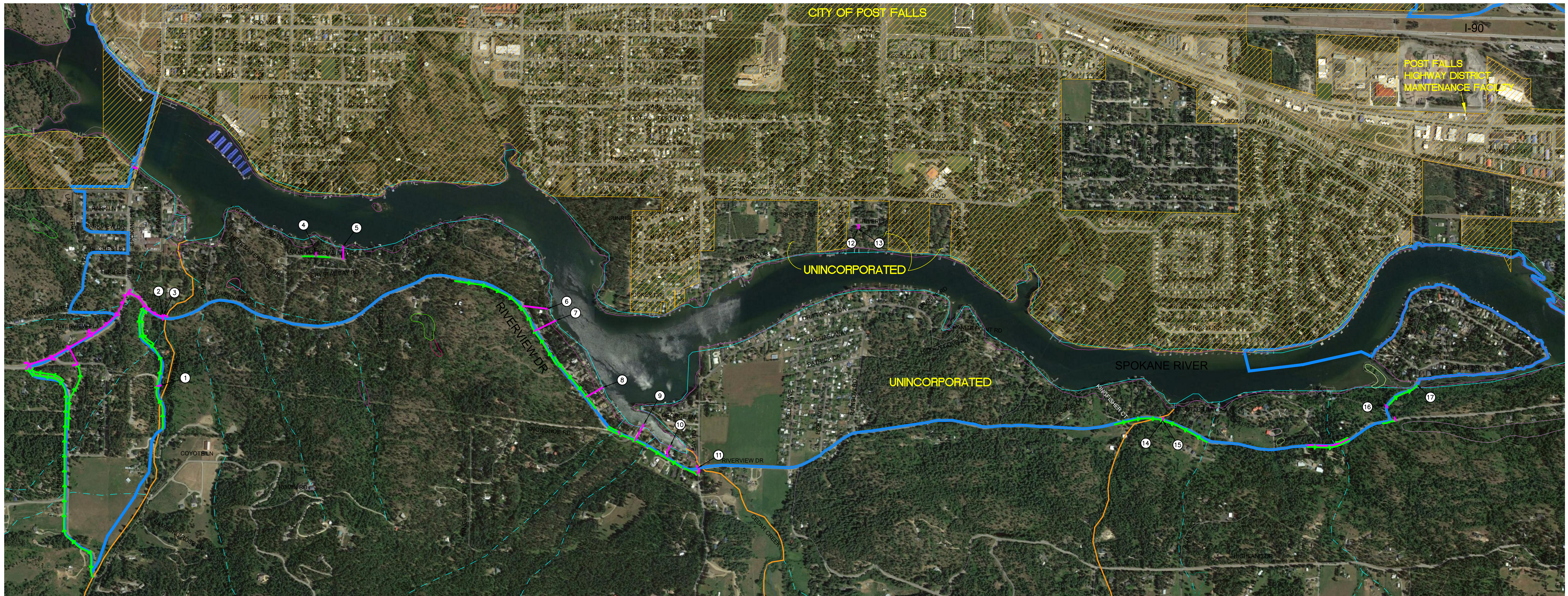
To Protect Our Water From Contamination

To Keep Them Safe From Predators



Appendix B

**POST FALLS HIGHWAY DISTRICT
MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) MAP
USEPA NPDES PERMIT NO. IDS-028193**



LEGEND:

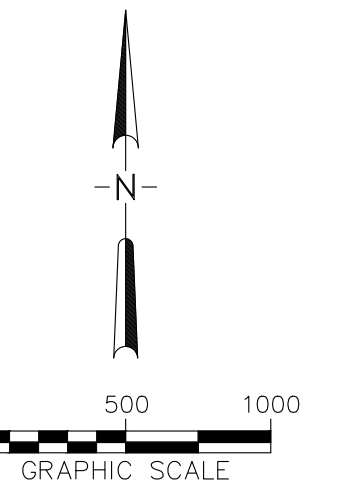
- COEUR D'ALENE URBANIZED AREA
- DRAINAGES PER NATIONAL HYDROGRAPHY DATASET
- STREAMS (TRIBUTARIES) PER IDEQ
- CORPORATE BOUNDARIES
- PFHD ROADSIDE DITCHES
- PFHD STORM PIPING, CULVERTS, CATCH BASINS & MANHOLES
- OUTFALL POINTS (SEE TABLE)
- CITY OF POST FALLS, ID
- WETLANDS BY NATIONAL WETLANDS INVENTORY

THIS MAP SHOWS THE 2010 URBANIZED AREA BOUNDARY WHICH VARIES FROM THE 2000 URBANIZED AREA TO WHICH THE CURRENT PERMIT PERTAINS. HOWEVER, THERE IS NO SIGNIFICANT VARIATION WITHIN THE ENLARGED AREA SHOWN ON THIS MAP.

OUTFALL TABLE

MAP NO.	LATITUDE	LONGITUDE	OUTFALL DESCRIPTION
1	N047° 41' 36.83"	W116° 56' 52.63"	18" CMP TO SPRING CREEK FROM SCHILLING LP DITCH
2	N047° 41' 47.60"	W116° 56' 48.2"	36" PVC TO SPRING CREEK FROM W RIVERVIEW STORM SEWER SYSTEM
3	N047° 41' 47.60"	W116° 56' 48.2"	12" PVC TO SPRING CREEK FROM CURB INLET ON RIVERVIEW
4	N047° 41' 57.14"	W116° 56' 15.47"	12" CMP TO TREES FROM L CRYSTAL BAY RD
5	N047° 41' 58.11"	W116° 56' 09.64"	8" HDPE TO SPOKANE RIVER FROM L CRYSTAL BAY RD CATCH BASIN
6	N047° 41' 49.43"	W116° 55' 25.47"	18" HDPE TO SPOKANE RIVER FROM RIVERVIEW DITCH
7	N047° 41' 47.77"	W116° 55' 23.52"	18" CMP TO SPOKANE RIVER FROM RIVERVIEW DITCH
8	N047° 41' 38.12"	W116° 55' 13.25"	18" CMP TO SPOKANE RIVER FROM LOWER RIVERVIEW DITCH
9	N047° 41' 32.87"	W116° 55' 04.28"	18" CMP TO GREEN FERRY BAY (SR) FROM RIVERVIEW DITCH
10	N047° 41' 29.80"	W116° 54' 58.50"	18" HDPE TO GREEN FERRY BAY (SR) FROM RIVERVIEW DITCH
11	N047° 41' 26.21"	W116° 54' 52.12"	18" CMP TO CEDAR CK (ABOVE STREAM CULVERT) FROM RIVERVIEW DITCH
12	N047° 42' 02.42"	W116° 54' 18.69"	12" CMP FROM RIVERCREST DRIVE TO BRUSH THEN SPOKANE RIVER
13	N047° 42' 02.42"	W116° 54' 18.69"	12" CMP FROM RIVERCREST DRIVE TO BRUSH THEN SPOKANE RIVER
14	N047° 41' 34.47"	W116° 53' 12.59"	WEST DITCH OUTFALL TO SEASONAL CREEK ABOVE 36" CULVERT
15	N047° 41' 34.47"	W116° 53' 12.59"	EAST DITCH OUTFALL TO SEASONAL CREEK ABOVE 36" CULVERT
16	N047° 41' 37.00"	W116° 52' 27.00"	24" CMP FROM HARBOR DRIVE DITCH
17	N047° 41' 40.18"	W116° 52' 17.80"	HARBOR DRIVE DITCH OUTFALL TO HARBOR ISLAND CHANNEL (SR)

NOTE: LATITUDE & LONGITUDE INFORMATION WAS COLLECTED WITH A HANDHELD GPS & MAY REFERENCE ROADWAY CENTERLINES WHERE PIPES AND DITCHES ARE NOT EASILY ACCESSIBLE. THE DATA IS USEFUL TO GET IN THE GENERAL AREA OF THE OUTFALL.



PROJECT:	P090104	RUEN-YEAGER & ASSOCIATES, INC. CONSULTING ENGINEERS - LAND SURVEYORS - PLANNERS 3201 N. HUETTER, STE. 102 COEUR D'ALENE, IDAHO 83814 (208)292-0820 219 PINE ST. SANDPOINT, IDAHO 83864 (208)255-4629
FILE NAME:	2018-0919_MS4_MAP.dwg	
PLOT DATE:	9/19/18	
DRAWN BY:	ZAW	



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

July 23, 2018

Kelvin Brownsberger
Road Supervisor
Post Falls Highway District
5629 E. Seltice Way
Post Falls, Idaho 83854

Re: Dry Weather Monitoring Report – Post Falls Highway District NPDES MS4
Project No.: P090104

Dear Kelly:

RYA has performed dry weather monitoring for 29 outfalls in the Post Falls Highway District jurisdiction on July 9th. There were a number of outfalls with flow that appeared to be groundwater, as follows:

- Outfall Number 20 had a flow described as less than 5 GPM with clean water and without any unusual deposits or unusual vegetation.
- Outfall Number 21 had a flow described as less than 5 GPM with clean water and without any unusual deposits or unusual vegetation.
- Outfall Number 27 had a flow described as less than 1 GPM with clean water and without any unusual deposits or unusual vegetation.

Photos were taken of all outfalls, either at their inlets or outlets, depending on accessibility or clarity of field conditions. No samples were collected.









The above information together with the Field Report Outfall Observation sheets and photos taken of the outfalls will be compiled with the other required information for inclusion in the 2018 Annual Report.









Sincerely,



RUEN-YEAGER & ASSOCIATES, INC.

Laura Winter, P.E.

	
<p>Outfall #1</p>	<p>Outfall #2</p>
	
<p>Outfall #3</p>	<p>Outfall #4</p>
	
<p>Outfall #5</p>	<p>Outfall #6</p>
	
<p>Outfall #7</p>	<p>Outfall #8</p>

	
<p>Outfall #9</p>	<p>Outfall #10</p>
	
<p>Outfall #11</p>	<p>Outfall #12</p>
	
<p>Outfall #13</p>	<p>Outfall #14</p>
	
<p>Outfall #15</p>	<p>Outfall #16</p>

	
Outfall #17	Outfall #18
	
Outfall #19	Outfall #20
	
Outfall #21	Outfall #22
	
Outfall #23	Outfall #24

	
<p>Outfall #25</p>	<p>Outfall #26</p>
	
<p>Outfall #27</p>	<p>Outfall #28</p>
	
<p>Outfall #29</p>	

Appendix C



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

SIGN-IN SHEET

2018 MS4 ANNUAL TRAINING
Friday, December 7, 2018 7:30-9:00AM

Print Name:	Signature:	Highway District:
ERIC SHAWLEY		Lakes HD
MARK SHAW		LAKES HD
Joe Mitchell		Lakes HD
DAVID CARPENTER		Lakes HD
Marv Essler		Lakes HD
Jim Crissom		LHD
Dylan Jensen		LHD
Aaron Syth		LHD
BEN WESKE		ESH D
PETER WESKE		ESH D
Tom Christensen		ESH D
Bill McCorkle		ESH D
WIL BENDING		ESH D
Shane Cook		ESH D
Kevin Renner		ESH D
Kevin Cooper		LHD



RUEN-YEAGER & ASSOCIATES, INC.

ENGINEERS ♦ PLANNERS ♦ SURVEYORS

SIGN-IN SHEET

2018 MS4 ANNUAL TRAINING

Friday, December 7, 2018 7:30-9:00AM

Print Name:	Signature:	Highway District:
Michael Horton		Lake
Travis Benson		Lucas
Mark Debrauff		LHD
Chris Lyons		LHD
DAN PETERSON		PFHD
Trans Hall		BFHD
Weldon Shannon		LHD
TIM DAY		ESHHD
ANDY PARRIS		ESHHD
Cody Kraack		ESHHD
CHAD THOMSON		ESHHD
Tyrell Cotten		ESHHD
Jeremy HORN		ESHHD
Kelly Brownshager		PFHD
DAVE YERIAN		PFHD
Edward Mael		PFHD



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

SIGN-IN SHEET

2018 MS4 ANNUAL TRAINING
Friday, December 7, 2018 7:30-9:00AM

Print Name:	Signature:	Highway District:
Eric Prestegaard	<i>Eric Prestegaard</i>	PFHD
Michael Ketohum	<i>Michael Ketohum</i>	PFHD
Traavis Wisley	<i>Traavis Wisley</i>	PFHD
Larry Howell	<i>Larry Howell</i>	PFHD
Leslie Likes	<i>Leslie Likes</i>	PFHD
Taylor Wood	<i>Taylor Wood</i>	PFHD
Mark Roberts	<i>Mark Roberts</i>	PFHD
Brian Cumb	<i>Brian Cumb</i>	PFHD
Jim Wines	<i>Jim Wines</i>	PFHD
LOREN HORNINK	<i>Loren Hornink</i>	ESH0
Mike Gaboury	<i>Mike Gaboury</i>	ESH0
Ted Baldwin	<i>Ted Baldwin</i>	LHD



2018 MS4 PERMIT ANNUAL TRAINING



WHY ARE WE HERE?

Annual Training is 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..."





OUR ANNUAL TRAINING WILL REVIEW...

- WE WILL TALK ABOUT WHAT AN MS4 PERMIT IS.
- WE WILL GO OVER SOME POLLUTION PREVENTION AND GOOD HOUSEKEEPING PRACTICES.

WHAT IS A MS4?

A **MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)** IS:

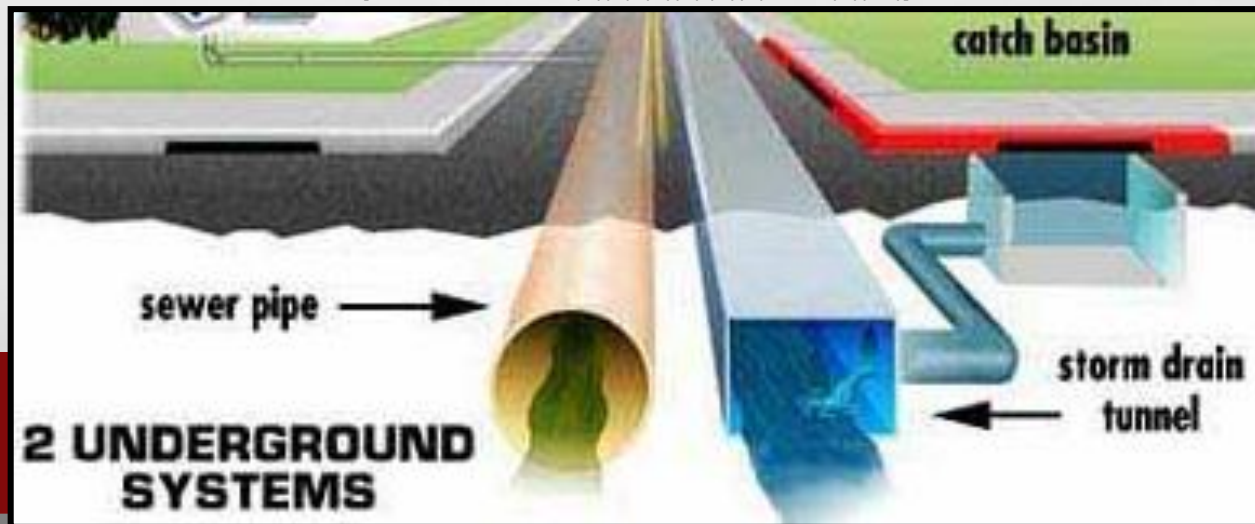
A CONVEYANCE OR SYSTEM OF CONVEYANCES...

OWNED BY A STATE, CITY, TOWN, OR OTHER PUBLIC ENTITY, ...

WHICH DISCHARGES TO WATERS OF THE U.S., AND IS:

- DESIGNED OR USED FOR COLLECTING OR CONVEYING STORM WATER
- NOT A COMBINED SEWER; AND
- NOT PART OF A PUBLICLY OWNED TREATMENT WORKS (POTW).

[SEE: 40 CFR 122.26(B)(4), (B)(7),(B)(8) AND (B)(16)]





MS4' S CONSIST OF
ROADS WITH
DRAINAGE SYSTEMS
INCLUDING:

CATCH BASINS,
DITCHES,
CURB & GUTTER,
CULVERTS,
DRAINAGE SWALES,&
SNOW STORAGE

THAT DRAIN TO A
WATERS OF THE US....

BASICALLY,
ANYTHING IN OUR
RIGHT-OF-WAY,

WITHIN THE MS4
BOUNDARY

THAT COLLECTS
STORMWATER,

AND OUTFALLS TO A
WATER OF THE US



WHAT ABOUT THE MS4 PERMIT?

Issued by the EPA

Allows MS4's to discharge stormwater
to water of the US

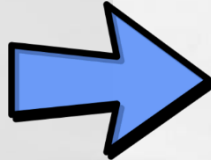
It was developed as a result of the
Clean Water Act

Must be clear, specific, measurable,
enforceable

Helps keep our waters clean

WHAT DOES A MS4 PERMIT REQUIRE?

ALL OPERATORS OF REGULATED MS4S MUST IMPLEMENT A STORM WATER MANAGEMENT PROGRAM (SWMP) DESIGNED TO:



- REDUCE POLLUTANTS TO THE *MAXIMUM EXTENT PRACTICABLE*;
- PROTECT WATER QUALITY; AND
- SATISFY THE APPROPRIATE WATER QUALITY REQUIREMENTS OF THE CLEAN WATER ACT.

THE SWMP MUST ADDRESSES THE "SIX MINIMUM MEASURES:"

- PUBLIC EDUCATION AND OUTREACH
- PUBLIC PARTICIPATION/INVOLVEMENT
- ILLICIT DISCHARGE DETECTION AND ELIMINATION
- CONSTRUCTION SITE RUNOFF CONTROL
- POST-CONSTRUCTION RUNOFF CONTROL
- POLLUTION PREVENTION/GOOD HOUSEKEEPING

SO WHAT ARE SOME GOOD POLLUTION PREVENTION & HOUSEKEEPING PRACTICES?





FLEET VEHICLE WASHING AND MAINTENANCE

FLEET VEHICLE WASHING

WASHING FLEET VEHICLES GENERATES OIL, GREASE, SEDIMENT AND METALS, AS WELL AS CLEANING SOLVENTS INTO THE WASH WATER.



PERFORM A DRY DEBRIS REMOVAL, COLLECT AND DISPOSE AS SOLID WASTE.

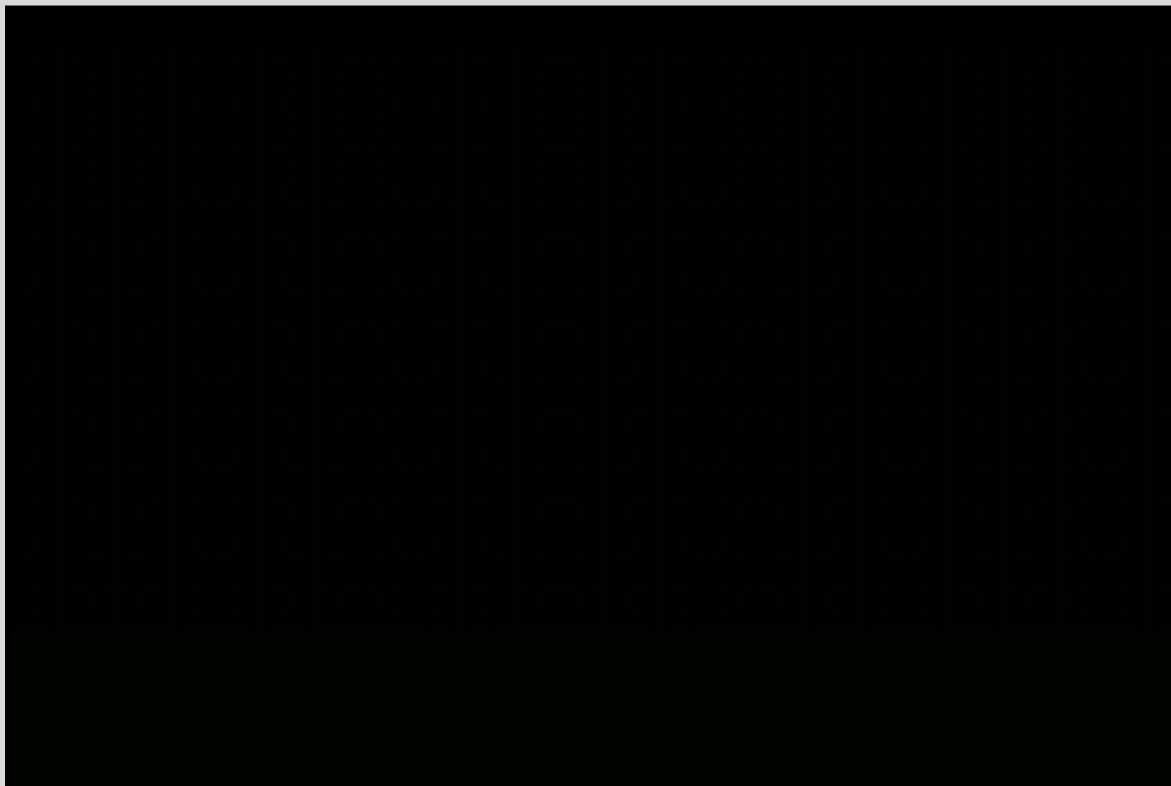
WASH VEHICLES IN A DESIGNATED WASH AREA.

COLLECT WASH WATER IF POSSIBLE.

USE A POWER WASHER AVOIDING DETERGENTS.



VEHICLE & EQUIPMENT WASHING





SNOW REMOVAL & SNOW DISPOSAL



SNOW REMOVAL & SNOW DISPOSAL

- **USE UPLAND AREAS FOR STORAGE AND DISPOSAL OF SNOW**
- **CHOOSE FLAT PERVIOUS AREAS WHERE MELTING SNOW CAN INFILTRATE**
- **KEEP SNOW STORAGE AT LEAST 100 FEET AWAY FROM WATER BODIES, WETLANDS, AND PUBLIC OR PRIVATE DRINKING WATER WELLS**
- **REMOVE SEDIMENT AND DEBRIS FROM DUMPING AREAS EACH SPRING**

PROPER MATERIAL STORAGE

MAINTAINING ORDER IN YOUR SHOP



THE BEST SPILL PROTECTION IS PROPER CONTAINMENT.

MATERIALS STORAGE

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

MATERIAL STORAGE





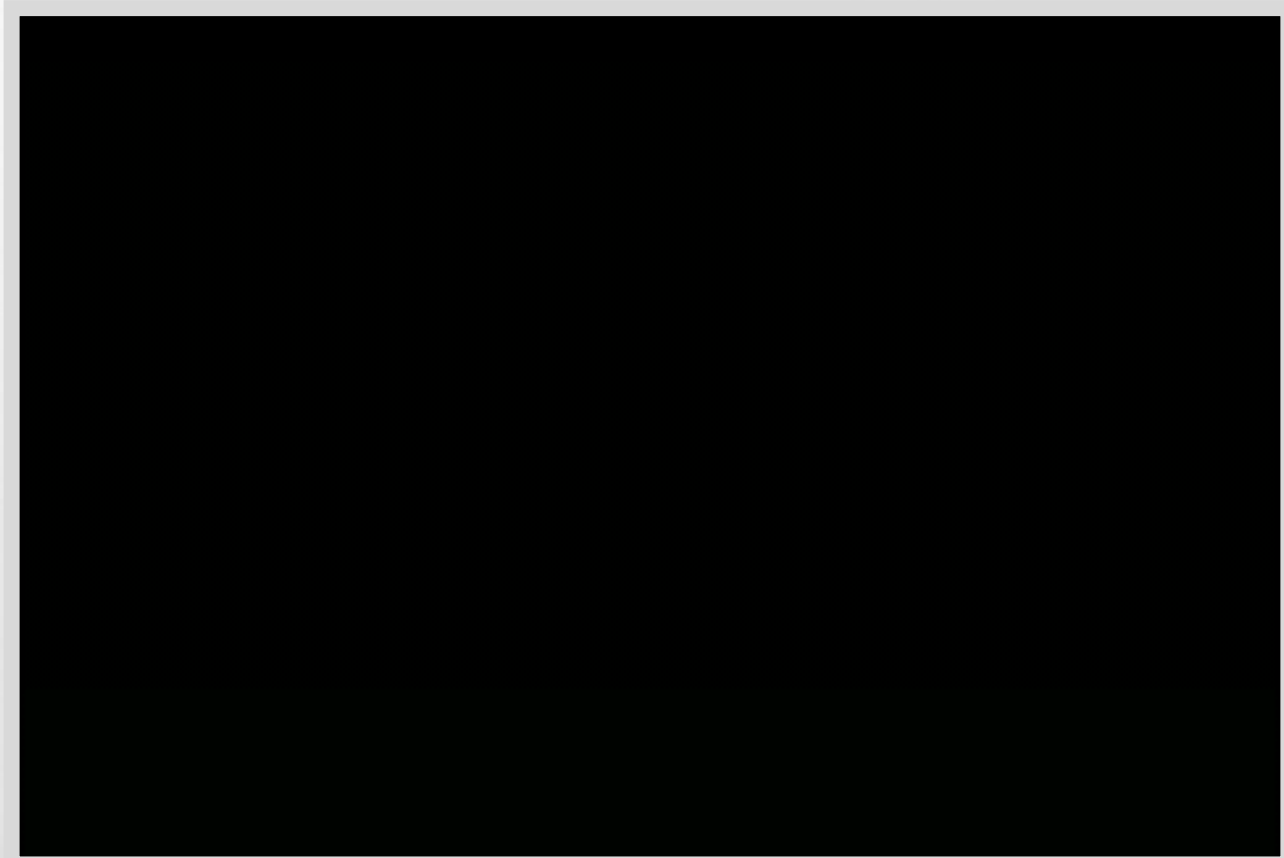
STREET MAINTENANCE

STREET MAINTENANCE



- CERTAIN STREETS THAT DISCHARGE TO RECEIVING WATERS SHOULD HAVE PRIORITY IN STREET SWEEPING AND DEBRIS REMOVAL.
- CONNECTED STREETS WITH A HIGHER POLLUTION LOADING SHOULD BE PRIORITIZED AND CLEANED MORE FREQUENTLY.

STORM DRAIN SYSTEM CLEANING





Sherman Avenue



Alley Behind Sherman Avenue



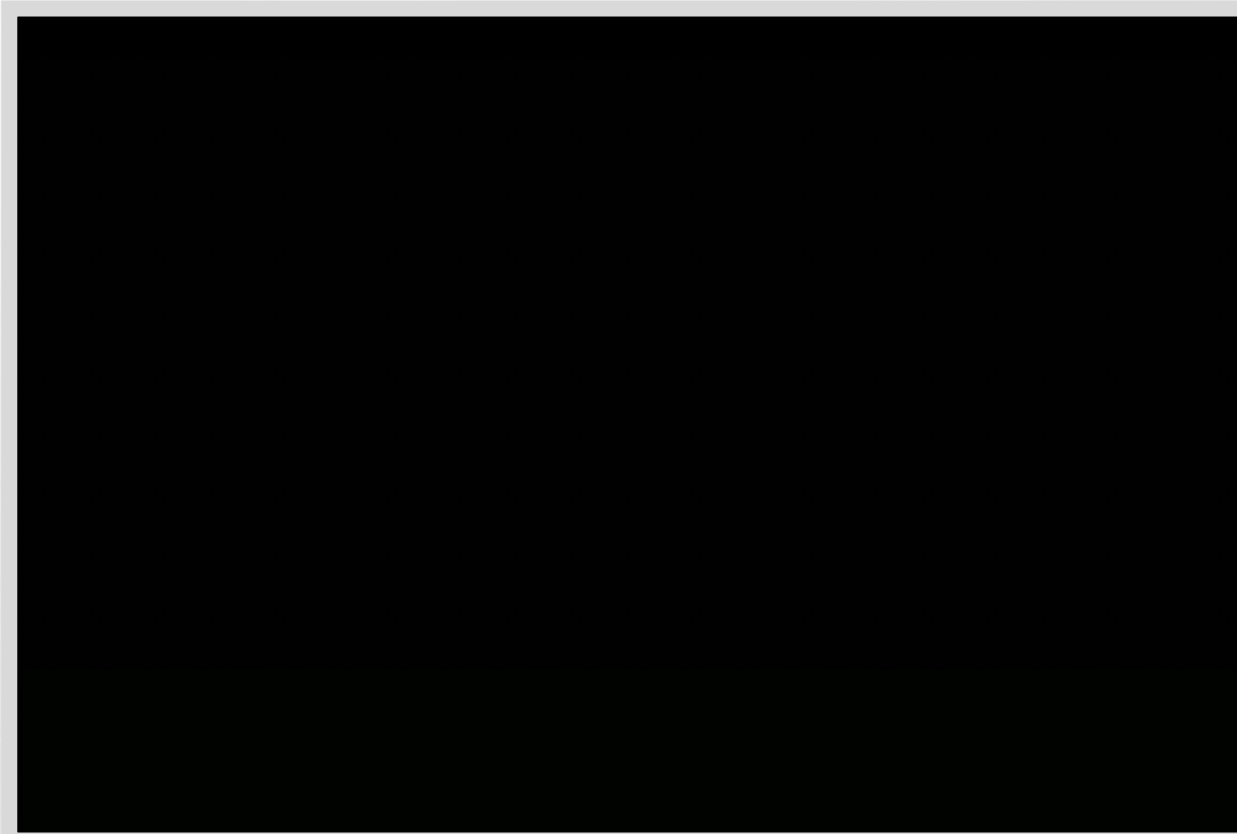
Saunders Beach



Saunders Beach Outfall



PARKING LOT & STREET CLEANING

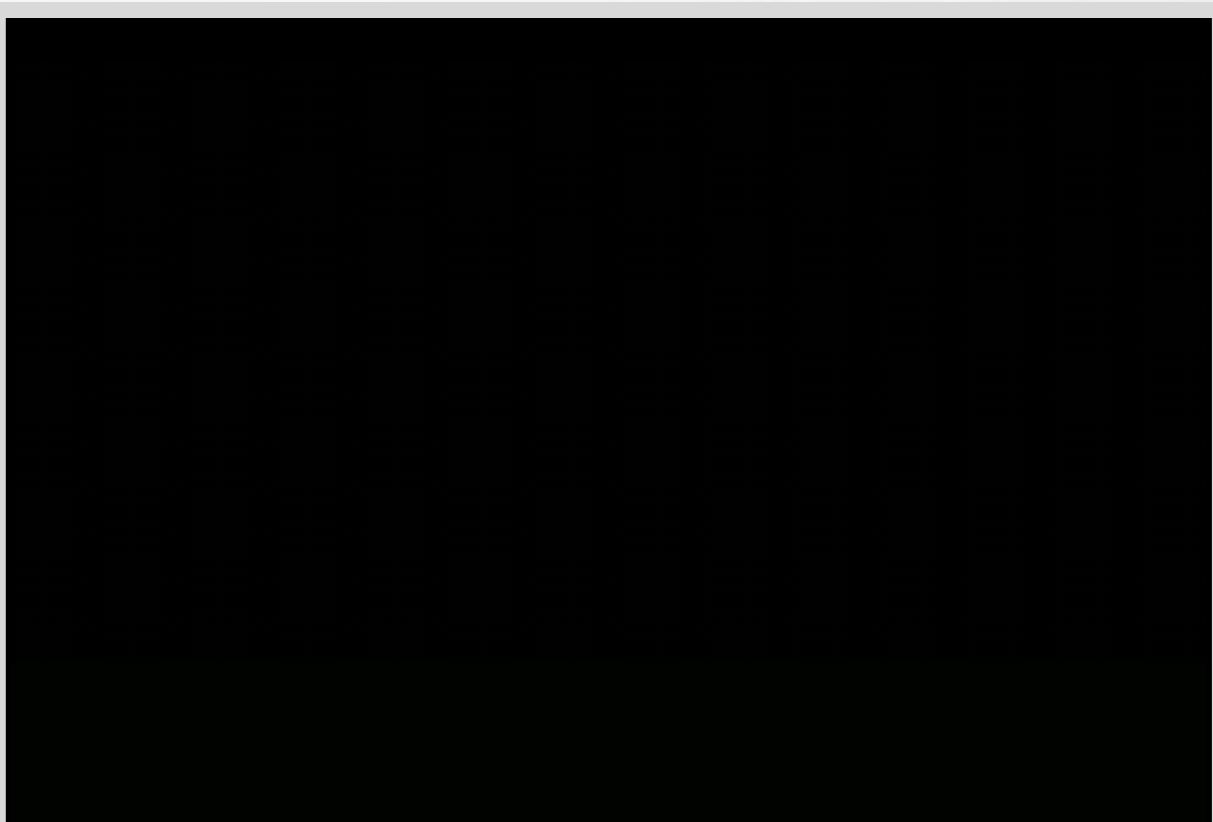


SPILL CONTROL & RESPONSE

- EVERYONE SHOULD BE FAMILIAR WITH SPILL CONTROL RESPONSE ACTIONS:
- WHAT TO DO
- WHO TO CALL
- WHERE IS SPILL EQUIPMENT



SPILL CONTROL & RESPONSE





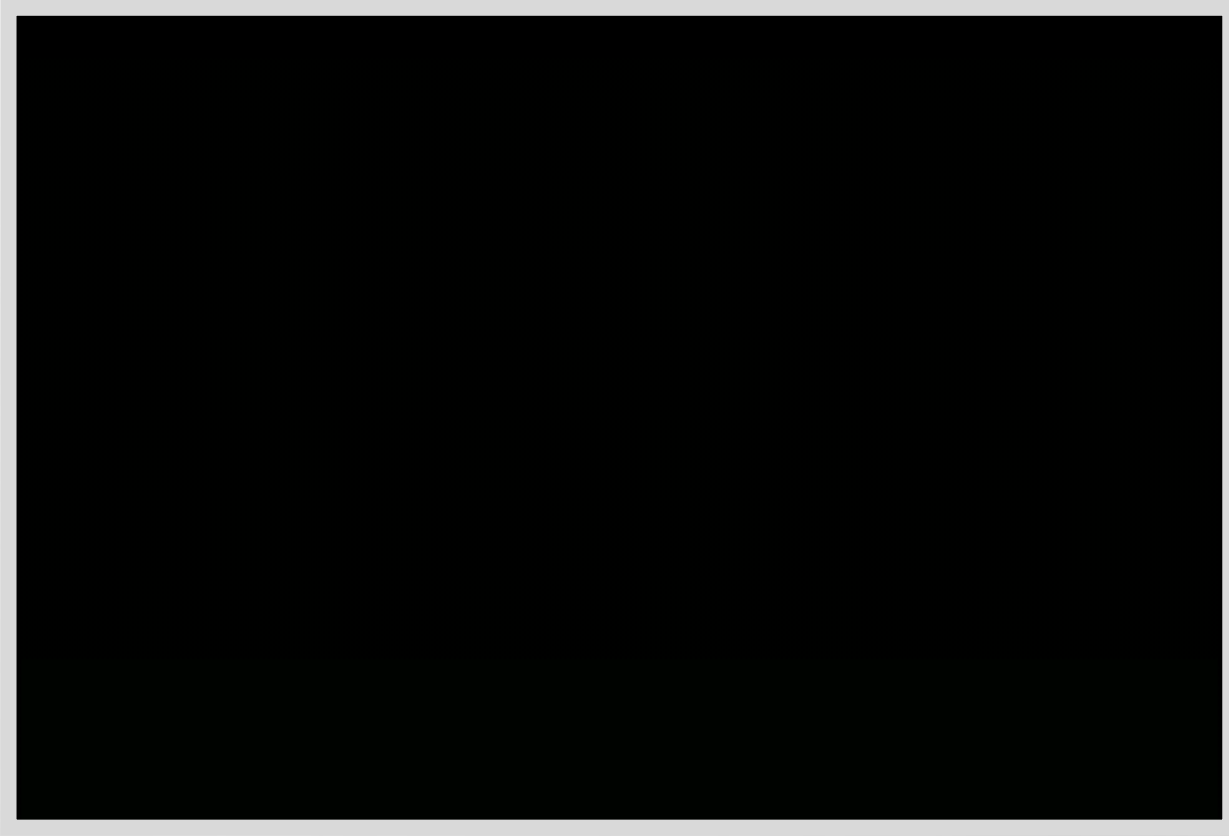
BUILDING AND GROUNDS MAINTENANCE

BUILDING AND GROUNDS MAINTENANCE

- CLEAN UP AFTER YOURSELF
- KEEP SOLID WASTE IN CONTAINERS AWAY FROM DRAINAGE SYSTEMS
- PERFORM PERIODIC BROOMING OF THE MAINTENANCE YARD



BUILDING & GROUND MAINTENANCE





Behind Crickets







THE BOTTOM LINE.....



Is Keeping our Waters Clean!

ANY QUESTIONS?



ENGINEERS ♦ PLANNERS ♦ SURVEYORS

LAURA WINTER, P.E., CFM

LWINTER@RUENYEAGER.COM

(208) 292-0820