



Municipal Separate Storm Sewer (MS4) Annual Report

MS4 Permittee Name/Organization:

CITY OF COEUR d'ALENE (MS4)

Enter the name of co-permittee submitting report (if applicable):

NPDES Permit Number:

Indicate Annual Report Number & Reporting Period:

- ☐ Year 1 Reporting Period
- ☐ Year 2 Reporting Period
- ☐ Year 3 Reporting Period
- ☒ Year 4 Reporting Period
- ☐ Year 5 Reporting Period
- ☐ Other

Section I General Information

MS4 Facility Contact Name:

CITY OF COEUR d'ALENE

MS4 Contact Telephone:

MS4 Contact Email Address:

MS4 Facility Contact Type:

☐ Owner ☐ Operator ☒ Main Contact

MS4 Facility Site (physical) Address:

710 EAST MULLAN AVEN

MS4 Facility Site City, State, Zip Code:

COEUR D ALENE, ID, 838

MS4 Facility Mailing Address:

, , ,

List All Receiving Water(s) for the MS4 Discharges:

Lake Coeur d'Alene, Spokane River, Fernan Creek

Section II. Permittee Responsibility:

1. **This Permittee organization shares implementation responsibility for Permit compliance with one or more Permittees.**

☐ Yes ☒ No ☐ Not Applicable

Is the agreement between the Permittees described/cited in the Stormwater Management Program (SWMP) Document?

☐ Yes ☐ No ☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

2. **This Permittee organization shares implementation responsibility for Permit compliance with one or more outside (non-Permittee) entities.**

☐ Yes ☒ No ☐ Not Applicable

Is the agreement with these other entity(ies) described/cited in the SWMP Document?

☐ Yes ☐ No ☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

3. **This Permittee organization maintains relevant ordinances or other regulatory mechanisms to control pollutant discharges into and from the MS4 to meet the requirements of this GP.**

☒ Yes ☐ No ☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

4. **This Permittee organization's SWMP Document is posted on a publicly accessible website.**

☒ Yes ☐ No ☐ Not Applicable

Identify the URL for the webpage where the SWMP Document can be accessed:

[http:// www.cdaid.org/files/Engineering/Stormwater_Management_Plan_2023.pdf](http://www.cdaid.org/files/Engineering/Stormwater_Management_Plan_2023.pdf)

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

6. **This Permittee organization regularly tracks certain activities to set priorities and assess compliance with the Permit requirements.**

☒ Yes ☐ No ☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

7. **During the reporting period, responsibility for SMWP implementation has changed due to a Transfer of Ownership or Operational Authority over a geographic portion of the MS4. This Permittee's SWMP Document has been updated to reflect these changes in responsibility for any new or transferred areas served by the MS4.**

☒ Yes ☐ No ☐ Not Applicable

This Permittee's SWMP Document has been updated to reflect these changes in responsibility for any new or transferred areas served by the MS4.

☒ Yes ☐ No ☐ Not Applicable

Please provide a brief statement summarizing the change in ownership or operational authority. City of Coeur d'Alene annexed 440 acres which are now in city limits but do not drain to the water of the US.

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

Section II Comments

The ongoing progress in our Stormwater Outfall Volume Reduction Program successfully reduced the volume of stormwater discharging to our surface waters within our MS4. In this past year, we diverted approximately 86 additional acres of urban residential stormwater flows from Lake Coeur d'Alene by diversion of flows to newly constructed storage/filtration/infiltration basins. The outfall addressed was CD1. The city intends to continue efforts to reduce the volume of stormwater discharge from our MS4.

Section III. Status of SWMP Control Measures

8. **This Permittee organization conducts an education, outreach, and public involvement program based on stormwater issues of significance in the Permittee's jurisdiction.**

☒ Yes, this organization conducts the education, outreach, and involvement activities required by the Permit

☐ Yes, this organization works through contract with other entities to conduct the education, outreach, and involvement activities required by the Permit

Please cite any relevant information and/or statistics that helps illustrate the implementation of the organization's education outreach and/or public involvement program.

Please cite any relevant information and/or statistics that helps illustrate the implementation of the organization's education outreach and/or public involvement program. The City of Coeur d'Alene promotes and participates in many events to exhibit our stormwater outfall reduction projects and to provide pollution prevention information. During this permit year we presented at 5 events.

☐ No

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

9. **Target Audience: During the reporting period, this Permittee organization focused its education, outreach, and public involvement messages to the following audience(s):**

☒ **General Public** (including homeowners, homeowner's associations, landscapers, and property managers)

☐ **Business/Industrial/Commercial/Institutions** (including home based and mobile businesses)

- ☒ **Construction/Development** (e.g., Engineers, Contractors, Developers, Landscape Architects, Site Design Professionals)
- ☒ **Elected Officials, Land Use Policy and Planning Staff**
- ☐ Other

Please describe in the space provided:

10. **Topics: During the reporting period, this Permittee organization focused its education, outreach, and public involvement messages on the following topics (select all that apply):**

- ☒ General impacts of stormwater flows into surface water, and appropriate actions to prevent adverse impacts;
- ☐ Impacts from impervious surfaces, techniques to avoid adverse impacts;
- ☐ Yard care techniques protective of water quality, such as composting;
- ☐ Proper use, application & storage of pesticides, herbicides, and fertilizers;
- ☒ Litter & trash control and recycling programs;
- ☐ BMPs for power washing, carpet cleaning, auto repair & maintenance;
- ☒ Low Impact Development/green infrastructure techniques, including site design, pervious paving, retention of mature trees/vegetation, landscaping and vegetative buffers;
- ☒ Maintenance of landscape features providing water quality benefits;
- ☒ Stormwater treatment and volume control practices;
- ☒ Technical standards for stormwater site plans; including appropriate selection, installation, and use of required construction site control measures
- ☐ Source control BMPs and environmental stewardship;
- ☐ Impacts of illicit discharges and how to report them;
- ☒ Actions and opportunities for pet waste control/disposal,
- ☒ Water wise landscaping, water conservation, water efficiency
- ☐ BMPs for use and storage of automotive chemicals, hazardous cleaning supplies, vehicle wash soaps and other hazardous materials;

11. **During the reporting period, this Permittee organization began and/or continued distribution of the selected messages/activities to the intended target audience.**

☒ Yes

Please summarize the message/activity conducted during the reporting period below: During this permit year the City has once again partnered with other City departments and agencies to deliver a stormwater pollution prevention message to our community.

Stormwater Presentations:

Earth Day 2024, CDA Library, Stormwater Pollution Prevention Booth

☐ No

Note: Permittee is required to conduct at least eight (8) educational messages or activities by the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

12. **During this reporting period, this Permittee organization assessed, or participated in efforts to assess, the understanding and adoption of intended behaviors by the target audience.**

☐ Yes

Please summarize efforts to assess the selected education, outreach and public involvement activities conducted during the reporting period. If information is available, describe how this information is used to improve education/outreach efforts.

☒ No

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met. The requirement was met in the last permit year.

Please explain why this Permit Requirement does not apply.

13. **During this reporting period, this Permittee organization offered (or worked with others to offer) training/education regarding construction site runoff control measures to site operators working in the Permittee's jurisdiction.**

☒ Yes

☐ No

Note: Permittee is required to offer outreach/training on construction site control measures at least twice during the permit term no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

14. **During this reporting period, this Permittee organization offered (or worked with others to offer) training/education regarding permanent stormwater controls to audiences working in the Permittee's**

jurisdiction.

☒ Yes

☐ No

Note: Permittee is required to offer outreach/training on permanent controls at least during the permit term no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

15. **This Permittee organization maintains and promotes a publicly-accessible website that provides current SWMP-related information cited in Permit Part 3.1.8. This website was recently updated prior to submitting this Report.**

☒ Yes

URL for the Permittee's webpage

:

<https://www.cdaid.org/611/utilities/drainage>

☐ No

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

Comments on Public Education, Outreach, and Involvement Program: *Use this Comments field to explain or discuss unique implementation schedules, summarize nature of the education, outreach, and public involvement activities conducted during the reporting period.*

During this permit year the City has once again partnered with other City departments and agencies to deliver a stormwater pollution prevention message to our community.

Stormwater Presentations:

Earth Day 2024, CDA Library, Stormwater Pollution Prevention Booth

Silverwood Science and Physics Day

Stormwater Outfall Reduction Projects Presentations: Chris Bosley, City Engineer

City of Coeur d'Alene website, Drainage Utility page, Streets & Engineering page, Urban Forestry and Water Department.

Illicit Discharge Detection and Elimination Program (Permit Part 3.2)

16. **To the extent allowable pursuant to authority granted under Idaho law, this Permittee organization conducts and enforces a program to detect and eliminate illicit discharges into the MS4.**

☒ Yes

☐ No

Note: Permittee is required to revise and update existing programs as necessary to comply with the Permit no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

17. **This Permittee organization maintains a current MS4 Map and Outfall Inventory as described in the Permit.**

☒ Yes

☐ No

Note: Permittee is required to update their Map(s) and Inventory no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

18. **To the extent allowable pursuant to authority granted under Idaho law, this Permittee organization prohibits non-storm water discharges into the MS4 (*except those identified in the Permit*) through an ordinance or other regulatory mechanism.**

☒ Yes

if yes, please provide citation/web address to the ordinance/regulatory mechanism:

ORDINANCE NO. 3455, <https://codelibrary.amlegal.com/codes/coeurdaleneid/latest/overview>

☐ No

Note: Permittee is required to revise and update their existing programs as necessary no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

19. **This Permittee organization maintains a dedicated telephone number, email address, and/or other means for the public to report illicit discharges.**

☒ Yes

if yes, please provide phone number/web address:

<https://www.cdaid.org/Forms/EmailForm/2> 208-676-7405 City Hot-Line Reporting

☐ No

Note: Permittee is required to revise and update their existing programs as necessary no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

20. **This Permittee organization responds and investigates illicit discharge complaints or reports within two working days.**

☒ Yes

☐ No

Note: Permittee is required to revise and update their existing programs as necessary no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

21. **Number of Public Complaints/Reports Received During this Reporting Period: 0**

22. **Number of Illicit Discharge Complaints/Reports Investigated through field visits,sampling or other follow-up action 0**

23. **Number of Illicit Discharge Complaints/Reports Resolved: 0**

24. **This Permittee organization conducts a dry weather analytical and field screening monitoring program to identify non-stormwater flows from MS4 outfalls.**

☒ Yes

☐ No

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

25. **During the reporting period, this Permittee organization used its written protocols to prioritize and identify MS4 outfalls for dry weather discharge investigation.**

- ☐ Yes
☒ No
☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met. The City is developing a written policy and will be submitted with the permit renewal application

Please explain why this Permit Requirement does not apply.

26. **Total Number of MS4 Outfalls in the Permittee's jurisdiction of the Permit Area: 13**

27. **During the reporting period, this Permittee organization completed visual dryweather screening on at least 50 MS4 outfalls.**

- ☐ Yes
☒ No – Total # of outfalls screened in this jurisdiction was less than 50
☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met. There are less than 50 outfalls that direct inject to surface waters in our MS4.

Please explain why this Permit Requirement does not apply.

28. **Of the outfalls screened during the reporting period:**

How many outfalls were discharging during dry weather? 0

How many of these identified dry weather discharges were sampled or otherwise investigated to determine the discharge source? 0

How many of the identified dry weather discharges resulted in the Permittee action to address and eliminate the discharge source? 0

29. **During this reporting period, how many of the Permittee's MS4 outfalls have been identified as having dry weather flows caused by irrigation return flow or ground water seepage?**

Number of outfalls identified this reporting period 0

Total number of MS4 outfalls identified to date, as having dry weather flows from irrigation or groundwater seepage 3

Note: Permittee is required to provide a complete list of MS4 outfall locations identified as having dry weather flows caused by

irrigation return flow or ground water seepage as part of the Permit Renewal Application no later than the date specified in the Permit.

30. **This Permittee organization maintains written spill response procedures and coordinates appropriate spill prevention, containment and response activities with other organizations in the Permit Area to ensure maximum water quality protection at all times.**

- ☒ Yes
☐ No
☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

31. **This Permittee organization coordinates with appropriate local entities to educate employees and the public of the proper management and disposal or recycling of used oil, vehicle fluids, toxic materials, and other household hazardous wastes.**

- ☒ Yes
☐ No
☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

32. **This Permittee organization's staff responsible for investigating, identifying and eliminating illicit discharges, spills, and illicit connections into the MS4 are trained to conduct such activities**

- ☒ Yes
☐ No
☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

Comments on Illicit Discharge Detection and Elimination Program:

Use this Comments field to explain any unique implementation schedules, highlight investigation results or follow-up actions, discuss

subsequent enforcement actions, etc. that were conducted during the relevant reporting period.

The City performed 400+ hours of cleaning and video of stormline, with no lateral intrusions found.

Construction Site Runoff Control Program

33. **This Permittee organization uses an ordinance or other regulatory mechanism to require erosion, sediment, and waste material management controls at construction project site activity that results in land disturbance of one (1) or more acres and discharges to the MS4.**

☒ Yes

☐ No

Note: Permittee is required to update their construction site runoff control requirements no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

34. **This Permittee organization requires construction site operators to submit construction site plans for projects disturbing one (1) or more acres for Permittee review.**

☒ Yes

☐ No

Note: Permittee is required to update their construction site runoff control requirements no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

35. **This Permittee organization inspects construction sites that disturb one (1) or more acres to ensure compliance with applicable requirements for erosion, sediment and waste material management controls.**

☒ Yes

☐ No

Note: Permittee is required to update their construction site runoff control requirements no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

36. This Permittee organization inspects construction sites using an inspection prioritization system.

☒ Yes

☐ No

Note: Permittee is required to update their construction site runoff control requirements no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

37. This Permittee organization implements a written escalating enforcement response policy or plan (ERP) for construction site runoff control.

☒ Yes

☐ No

Note: Permittee is required to update their construction site runoff control requirements no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

38. This Permittee organization ensures that all persons responsible for preconstruction site plan review, site inspections, and enforcement of construction site runoff control requirements are appropriately trained to conduct such activities - specifically, this organization provides orientation and training for new staff working on construction runoff control issues within the first six (6) months of employment.

☒ Yes

☐ No

Note: Permittee is required to update their construction site runoff control requirements no later than the date specified in the

Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

Comments on Construction Site Runoff Control:

Use this Comments field to explain any unique implementation schedules, summarize the number of site inspections, follow-up actions, and/or any subsequent enforcement actions, etc. that were conducted during the relevant reporting period.

Best Management Practices Inspections for 2024 : 841

Inspections are prioritized based on type of project and proximity to storm sewer system.

Correction Notices: 159

Plan Reviews: 200+

Engineering staff have received on going training in plan review requirements and performing on site inspections

All inspectors are SEEP (Stormwater & Erosion Education Programs) Certified and two Engineering Inspectors have completed a Certified Stormwater Inspector Training. Inspectors have completed educational webinars; Extreme Weather Events and Stormwater, "Let it All Soak In", Rain Gardens, "The Importance of Performance in Stormwater: A National Perspective and Local Considerations." and Hydrology of Stormwater.

Post Construction Stormwater Management in New Development & Redevelopment

39. **Through ordinance or other regulatory mechanism, this Permittee organization requires the installation and long-term maintenance of permanent stormwater controls at new development and redevelopment project sites that result from land disturbance greater than or equal to 1 acre and that discharges to the MS4.**

The required stormwater controls must be sufficient to retain onsite the runoff volume produced from a 24-hour 95th percentile storm event, and/or require runoff treatment sufficient to attain an equal or greater level of water quality benefit as this onsite retention standard.

☒ Yes

Please cite to the ordinance containing the permanent stormwater control requirements: Chapter 13.30 of the Title 13 of the

Municipal Code

☐ No

Note: Permittee is required to update their permanent stormwater control requirements no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

40. **This Permittee organization requires permanent storm water controls through written specifications.**

☒ Yes

Please cite to the ordinance containing the permanent stormwater control requirements: Ordinance Number 3455

☐ No

Note: Permittee is required to update their permanent stormwater control requirements no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

41. **This Permittee organization requires preconstruction site plan review and approval for permanent storm water controls at new development and redevelopment sites that result in land disturbance of one or more acres and discharge to the MS4.**

☒ Yes

☐ No

Note: Permittee is required to update their permanent stormwater control requirements no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

42. **This Permittee organization has identified high priority locations in the jurisdiction where the Permittee regularly inspects the installation and long-term operation of permanent stormwater controls.**

☒ Yes

☐ No

Note: Permittee is required to update their permanent stormwater control requirements no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

43. **This Permittee organization has an enforcement strategy to ensure and maintain the functional integrity of permanent stormwater controls within this jurisdiction.**

☒ Yes

☐ No

Note: Permittee is required to update their permanent stormwater control requirements no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

44. **This Permittee organization uses a database inventory to track and manage the operational condition of permanent stormwater controls within this jurisdiction.**

☒ Yes

☐ No

Note: Permittee is required to update their permanent stormwater control requirements no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

45. **This Permittee organization requires enforceable and transferable O&M Agreements, where parties other than this Permittee organization are responsible for operation and maintenance of permanent storm water controls.**

☒ Yes

☐ No

Note: Permittee is required to update their permanent stormwater control requirements no later than the date specified in the

Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

46. **This Permittee organization ensures that all persons responsible for reviewing site plans for permanent stormwater controls and/or for inspecting the installation and operation of permanent controls are trained to conduct such activities.**

☒ Yes

☐ No

Note: Permittee is required to update their permanent stormwater control requirements no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

Comments on Post Construction Stormwater Management in New Development and Redevelopment

Use this Comments field as necessary to explain any unique implementation schedules, summarize inspections, actions, etc. that were conducted during the relevant reporting period.

Inspectors and staff that review plans have completed training in the following:

Certified Stormwater Inspector Training

Stormwater & Erosion Education Program, Panhandle SEEP

Training Webinars, Low Impact Development, Plan Review

Stormwater facility assessments are ongoing to identify maintenance needs and appropriate action taken.

During this permit year 435 hours of scupper/swale cleaning to allow for flows to enter vegetated swales.

Pollution Prevention/Good Housekeeping for MS4 Operations

47. **This Permittee organization inspects all MS4 catch basins and inlets in the jurisdiction at least once every five years and takes appropriate maintenance or cleaning action based on those inspections.**

☒ Yes

☐ No -Permittee uses an alternate inspection & maintenance schedule as outlined in the SWMP Document.

☐ No

Note: Permittee is required to update their requirements for pollution prevention/good housekeeping for MS4 Operations no later than the date specified in the Permit.

☐ Not Applicable

Please outline the alternate inspection and maintenance schedule.

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

Total Number of catch basins and inlets inspected this reporting period 925

48. **This Permittee organization operates and maintains Streets, Roads, Highways and/or Parking Lots in its jurisdiction in a manner that protects water quality and reduces the discharge of pollutants through the MS4.**

☒ Yes

☐ No

Note: Permittee is required to update their requirements for pollution prevention/good housekeeping for MS4 Operations no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

49. **This Permittee organization operates all street/road maintenance material storage locations in a manner that prevents pollutants in stormwater runoff from discharging to the MS4 or into any receiving waterbody. A description of each Material Storage Location is included in the SWMP Document, as required by Permit.**

☒ Yes

☐ No

Note: Permittee is required to update their requirements for pollution prevention/good housekeeping for MS4 Operations no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be

met.

Please explain why this Permit Requirement does not apply.

50. **This Permittee organization sweeps all areas of the jurisdiction that discharge to the MS4 at least once annually. A description of the street sweeping program, as required by Permit, is included in the SWMP cument.**

☒ Yes

☐ No

Note: Permittee is required to update their requirements for pollution prevention/good housekeeping for MS4 Operations no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

51. **This Permittee organization has reviewed its operation and maintenance activities for the types of activities listed below and confirms that all such activities are conducted in a manner that protects water quality and reduces the discharge of pollutants through the MS4.** Municipal Activities to be addressed include: grounds/park and open space maintenance operations; fleet maintenance and vehicle washing operations; building maintenance; snow disposal site operation and maintenance; solid waste transfer activities; municipal golf course maintenance; materials storage; hazardous materials storage; used oil recycling; and spill control and prevention measures for municipal refueling facilities.

☒ Yes

☐ No

Note: Permittee is required to update their requirements for pollution prevention/good housekeeping for MS4 Operations no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

52. **This Permittee organization ensures appropriate practices to reduce the discharge of pollutants to the MS4 associated with the application, storage and disposal of pesticides, herbicides and fertilizers. All employees or contractors applying pesticides, etc. are instructed to follow all label requirements, including those regarding application methods, rates, number of applications allowed, and disposal of the pesticide/herbicide/fertilizer and rinsate.**

☒ Yes

☐ No

Note: Permittee is required to update their requirements for pollution prevention/good housekeeping for MS4 Operations no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

53. **This Permittee organization uses site specific Storm Water Pollution Prevention Plans for all Permittee-owned material storage facilities, heavy equipment storage areas, and maintenance yards located in the Permit Area.**

☐ Yes

☒ No

Note: Permittee is required to update their requirements for pollution prevention/good housekeeping for MS4 Operations no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met. Inspection of all facilities and appropriate SWPPP's required will be included in our permit renewal application.

Please explain why this Permit Requirement does not apply.

54. **This Permittee organization ensures that all persons responsible for municipal operations and maintenance activities are trained to conduct such activities.**

☒ Yes

☐ No

Note: Permittee is required to update their requirements for pollution prevention/good housekeeping for MS4 Operations no later than the date specified in the Permit.

☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

Comments on Pollution Prevention/Good Housekeeping for MS4 Operations

Use this Comments field as necessary to explain any unique implementation schedules, summarize inspections, actions, etc. that were conducted during the relevant reporting period

During this permit year:

City wide street sweeping was performed 4 times, with an emphasis on hard pipe areas.

Catch basin cleaned, 925

Manholes cleaned, 190

Spill kits were updated and additional supplies provided to the Streets & Engineering, Parks Department and Water Department fleet.

Streets & Engineering fleet are inspected daily before operating to check for any leaks.

Training for new staff included proper maintenance techniques related to stormwater infrastructure, spill prevention and illicit discharge detection.

Parks staff have been trained in proper application of fertilizers and weed killer application.

Section IV. SPECIAL CONDITIONS FOR DISCHARGES TO IMPAIRED WATERS

Provide a current status report regarding the development of any required Monitoring/Assessment Plan and implementation of pollutant reduction activities as required by Permit.

55. Narrative Status Report:

As detailed in the Section II Comments, the primary pollutant reduction activity performed by the City is achieved by the reduction of stormwater direct injection to surface waters through our Stormwater Outfall Volume Reduction Program. Our goal for the next permit year is to reduce stormwater discharge through an outfall reduction project; 3rd Street (CD4). This project is currently in final design with construction anticipated for spring of 2025. The goal of the project is to reduce stormwater flows equating to a minimum of 12 acres from an approximately 240 acre drainage area consisting of commercial and residential properties, streets, and open space.

Section V. Response To Excursions Above Idaho Water Quality Standards

56. During this or any prior reporting period, did the Permittee submit written notification to EPA and IDEQ regarding MS4 discharge that are causing or contributing to an excursion above the WQS as directed by the Permit?

- ☐ Yes
- ☒ No
- ☐ Not Applicable

57. **During this or any prior reporting period, did the Permittee submit an Adaptive Management Report to EPA and IDEQ, as directed by the Permit?**

- ☐ Yes
- ☒ No
- ☐ Not Applicable

Please explain why this Permit Requirement has not been met and outline the expected dates that the Requirement will be met.

Please explain why this Permit Requirement does not apply.

58. **Provide a summary of the Permittee’s efforts to date that address the MS4 discharges contributing to the original water quality excursion, including the results of any monitoring, assessment, or evaluation efforts conducted during the reporting period.**

As detailed in the Section II Comments, in the past permit year the City has reduced the amount of stormwater runoff to both the Spokane River and Lake Coeur d'Alene with our Stormwater Outfall Volume Reduction program through construction of swales and stormwater storage/filtration units. This has equated to an approximately 90 acre reduction in stormwater run-off from commercial and residential properties, streets, and open space. Assessment of the effectiveness of these projects has consisted of visual monitoring of performance during and after large rainfall events. Each assessment verified that all stormwater diverted from the 90 acre drainage area was contained within the storage/filtration units with no excess stormwater reaching the overflow and discharging to the outfalls. Monitoring will continue to ensure performance expectations are met. Construction of the 3rd Street outfall reduction project is anticipated for spring of 2025, further reducing our MS4 discharges.

Monitoring results for this permit period are being submitted with this annual report.

59. **Please upload any documents that support this annual Report.**

List of Uploaded Documents	Size (MB)
No records to display	

☐ 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 gather and evaluate 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 have no personal knowledge that the information submitted is other than 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."

North Idaho Fair Booth, August 16-25,2024 (1000+ possible views)



City Engineer, Chris Bosley Stormwater Presentations:

March 19, 2024; Council presentation; Independence Point Outfall Reduction Project; 50 attendees, presentation was also televised and recorded for on line viewing.

April 9, 2024; City of Coeur d'Alene Stormwater Presentation; Sunrise Rotary,100 attendees

Silverwood Science & Physics Day, May 23, 2024



From Nick Goodwin: Tree City USA

The city of Coeur d'Alene Urban Forestry Department was informed today that our community will once again be recognized as a Tree City USA for 2023. This will be our 39th consecutive year being recognized by the Arbor Day Foundation as well as the 17th Consecutive year that we have received a Growth Award for demonstrating environmental improvement and an outstanding level of tree care.

This is a testament to the Citizens of Coeur d'Alene who work diligently with the City of Coeur d'Alene to care for our Urban Forest through the public partnership that our trees rely on. The City of Coeur d'Alene Urban Forestry thanks the community for their continued support in the care of public trees as well as the City team for its continued support of Urban Forestry programs!



FOR IMMEDIATE RELEASE: February 27, 2024

It's time to get your free street trees!

Planting for the Future: Re-Leaf CDA offers residents street trees for free

The City of Coeur d'Alene has a number of street trees that need good homes! Street trees are planted at residential locations within public right-of-way areas in the city limits through the CDA Re-Leaf program. Trees are planted at no cost to the homeowner to enhance our neighborhoods and provide many street-side benefits such as mitigating storm water and reducing pollution.

Trees are provided to homeowners who are willing to provide care, including watering and protecting from mowers and trimmers. The tree species still available are Emerald Sunshine Elm, Black Tupelo, English Oak and Greenspire linden. However, a limited number of powerline rated trees are available for those with powerlines over their planting space.

Interested homeowners may contact the Urban Forester with the Coeur d'Alene Parks Department and sign up for a street tree. Due to the limited number of trees, distribution will be on a first-come, first-served basis. The deadline to apply for this program is March 29, 2024. The trees will be planted by a contract tree planting crew starting in April.

For more information, please visit www.cdaid.org/parks under urban forestry Re-leaf. You can also send an email to ngoodwin@cdaid.org or call the Urban Forestry division of the Parks Department at 769-2266 to claim your free tree today. These trees cannot be used to fulfill street tree requirements/for a refund.

Earth Day 2024


On a beautiful, sunny, Saturday April 20, 2024, the City of Coeur d'Alene celebrated Earth Day. The day started with a guided bird tour on Tubbs Hill as well as a clean up of Tubbs Hill by volunteers. City staff members Nick Goodwin of the Parks/Urban Forestry Division, Kim Harrington of the Streets & Engineering/Stormwater Division and Mike Anderson, Director of the Wastewater Department, all hosted booths to provide information to the public. Mr. Anderson shared the wonders of Coeur d'Green compost and the process of turning waste material into an awesome product for landscapes and gardens.

Ms. Harrington discussed the importance of stormwater mitigation and how storm water is treated for contaminants before it can enter the lake. Mr. Goodwin worked with the Tubbs Hill Foundation and the Friends of Tubbs Hill spreading the word about city tree care and the treasure that is Tubbs Hill. It was a great event hosted by the Coeur d'Alene Library. Kids were able to learn a few things that the community does as great stewards of our planet, as well as play fun games and receive free SWAG. A huge thank you to all that participated! Happy Earth Day!



Municipal Separate Storm Sewer (MS4) Annual Report

Panhandle SEEP
(Stormwater & Erosion Education Program)




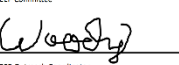
Michael Willis

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


Date recertified: March 21, 2024

Certification expires: March 2027


SEEP Committee


SEEP Outreach Coordinator

Panhandle SEEP
(Stormwater & Erosion Education Program)

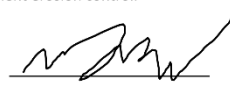


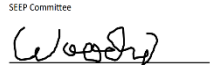
Aman Sterling

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

Date recertified: March 21, 2024

Certification expires: March 2027


SEEP Committee


SEEP Outreach Coordinator

CERTIFICATE
PROUDLY PRESENTED TO

Shane Roberts

Extreme Weather Events and Stormwater -- 15 CEU's

Oct 18, 2024
Date of Completion

National Stormwater Center
Organizer



CERTIFICATE
PROUDLY PRESENTED TO

Shane Roberts

"Let It All Soak In" - Rain Gardens

May 15, 2024
Date of Completion

National Stormwater Center
Organizer



CERTIFICATE
PROUDLY PRESENTED TO

Shane Roberts

"The Importance of Performance in Stormwater: A National Perspective and Local Considerations."

Mar 20, 2024
Date of Completion

National Stormwater Center
Organizer



CERTIFICATE
PROUDLY PRESENTED TO

Shane Roberts

"Hydrology of Stormwater"

Jan 17, 2024
Date of Completion

National Stormwater Center
Organizer



Accurate Testing Labs, LLC

7950 Meadowlark Way
Coeur d'Alene, ID 83815
Phone (208) 762 8378 Fax (208) 762 9082
www.accuratetesting.com
info@accuratetesting.com

Certificate of Analysis

Order No.: 2023090653

Page: 1 of 1

CDA Drainage Utility
710 Mullan Ave
CDA, ID 83814

Project: Stormwater Monitoring

Date Received: 09/26/2023 11:05

Sample: 1
Location: CDA Lake (3rd St Boat Launch)
Sample Type: Grabs

Matrix: Non-Potable Water
D/T Collected: 09/26/2023 07:44
Collected by: Aman Sterling

Municipal Separate St

Analyte	Result	Unit	Method	PQL	Analysis Date	Analyst
Cadmium	ND	ug/L	SM 3120B	0.5	10/10/23	WM
Phosphorus, Total	0.234	mg/L	EPA 365.1	0.004	09/28/23	WM
Lead	1.63	ug/L	SM 3120B	0.5	10/10/23	WM
Zinc	37.2	ug/L	SM 3120B	0.5	10/10/23	WM

Sample: 2
Location: Spokane River (Bellerive)
Sample Type: Grabs

Matrix: Non-Potable Water
D/T Collected: 09/26/2023 07:20
Collected by: Aman Sterling

Analyte	Result	Unit	Method	PQL	Analysis Date	Analyst
Phosphorus, Total	0.171	mg/L	EPA 365.1	0.004	09/28/23	WM
Lead	1.87	ug/L	SM 3120B	0.5	10/10/23	WM
Zinc	61.2	ug/L	SM 3120B	0.5	10/10/23	WM

If the RESULT is 'ND' (Not Detected) or 'Absent', that means the concentration is less than the PQL (Practical Quantitation Limit for this method).

Comments:



Laboratory Supervisor, Digitally signed by: Walter Mueller Date: 10/10/23

2023090653



Chain of Custody

Chain of Custody

Accurate Testing Labs

7950 Meadowlark Way | Coeur d'Alene, ID 83815 | Phone: (208) 762-8

E-mail: mueller@accuratetesting.com | Internet: <http://www.accuratetesting.com>

Results & Invoice to:

Name: City of Coeur d Alene Drainage Utility

Address: 710 E. Mullan Avenue

Coeur d Alene, Idaho 83814

Phone: 208-769-2300

Fax:

Billing: kimh@cdaid.org

Project Information:

Project Name: Stormwater Monitoring

Project Number:

Purchase Order Number:

Reporting Requirements:

Preliminary: FAX ☐ Verbal ☐ by: / /Final Report: FAX ☐ Verbal ☐ by: / /Rushes: 48 hrs. ☐ Other: ☐amansterling@cdaid.org

Name of Sampler:

Aman Sterling

Remarks/Sample Conditions

ANALYSIS REQUEST

NO. OF CONTAINERS

Lab # Sample ID Date Time Matrix

90653-1 Cda Lake 9-26-23 7:44am

(3rd St. Boat Launch)

Spokane River 9-26-23 7:20am

(Bellerive)

Relinquished by:

Aman Sterling

Date 9/26/23

Time 8:00 AM

Signature Kim Hester

Received by:

Spokane River

Date 9/26/23

Time 11:05

Signature Aman Sterling

Date Time

Chain of Custody Seals

☐ Yes ☐ No ☐ N/A☐ UPS ☐ FedEx☐ Bus ☐ Hand

Municipal Separate St

Accurate Testing Labs, LLC

7950 Meadowlark Way
Coeur d'Alene, ID 83815
Phone (208) 762 8378 Fax (208) 762 9082
www.accuratetesting.com
info@accuratetesting.com

Certificate of Analysis

Order No.:

2023110028

Page: 1 of 1

CDA Drainage Utility
710 Mullan Ave
CDA , ID 83814

Project: Stormwater Monitoring

Date Received: 11/02/2023 09:35

Sample: 1
Location: CDA Lake (3rd St Boat Launch)
Sample Type: Grabs

Matrix: Non-Potable Water
D/T Collected: 11/02/2023 08:45
Collected by: Aman Sterling

Municipal Separate St

Analyte	Result	Unit	Method	PQL	Analysis Date	Analyst
Cadmium	ND	ug/L	SM 3120B	1	11/14/23	WM
Phosphorus, Total	1.16	mg/L	EPA 365.1	0.004	11/09/23	WM
Lead	4.23	ug/L	SM 3120B	1	11/14/23	WM
Zinc	65.1	ug/L	SM 3120B	2.5	11/14/23	WM

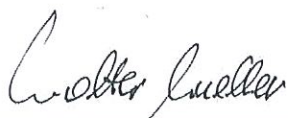
Sample: 2
Location: Spokane River (Bellerive)
Sample Type: Grabs

Matrix: Non-Potable Water
D/T Collected: 11/02/2023 08:45
Collected by: Aman Sterling

Analyte	Result	Unit	Method	PQL	Analysis Date	Analyst
Phosphorus, Total	0.222	mg/L	EPA 365.1	0.004	11/09/23	WM
Lead	3.03	ug/L	SM 3120B	1	11/14/23	WM
Zinc	78.2	ug/L	SM 3120B	2.5	11/14/23	WM

If the RESULT is 'ND' (Not Detected) or 'Absent', that means the concentration is less than the PQL (Practical Quantitation Limit for this method).

Comments:



Laboratory Supervisor, Digitally signed by: Walter Mueller Date: 11/14/23



Chain of Custody

Chain of Custody

Accurate Testing Labs

7950 Meadowlark Way | Coeur d'Alene, ID 83815 | Phone: (208) 762-8378 | Fax: (208) 762-8379
E-mail: muel@accuratetesting.com | Internet: <http://www.accuratetesting.com>

E-mail: mueller@accuratetesting.com | Internet: <http://www.accuratetesting.com>

Results & Invoice to:

City of Coeur d'Alene Drainage Utility

Address: 710 E. Mullan Avenue

Coeur d'Alene, Idaho 83814

Phone: 208-769-2300
Fax:

Project Information:

Stormwater Monitoring

Project Number:

Purchase Order Number:

[illegible]

Reporting Requirements:

Preliminary: FAX ☐ Verbal ☐ by: / /Final Report: FAX ☐ Verbal ☐ by: _____Rushes: 48 hrs. ☐ Other: ☐

Name of Sampler:

Aman Sterling

Remarks/Sample Conditions

ANALYSIS REQUEST

[illegible]

Relinquished by:

Aman Sterling

Date _____ Time _____

11/2/23	91357000
---------	----------

Received by:

--

Date Time

11-21-23-9311

Chain of Custody Seals

☐ Yes ☐ No ☐ N/A☐ UPS ☐ FedEx☐ Bus ☐ Hand

①

Municipal Separate St

Accurate Testing Labs, LLC

7950 Meadowlark Way
Coeur d'Alene, ID 83815
Phone (208) 762 8378 Fax (208) 762 9082
www.accuratetesting.com
info@accuratetesting.com

Certificate of Analysis

Order No.:

2024020326

Page: 1 of 1

CDA Drainage Utility
710 Mullan Ave
CDA , ID 83814

Project: Stormwater Monitoring

Date Received: 02/20/2024 08:25

Sample: 1
Location: CDA Lake (3rd St Boat Launch)
Sample Type: Grabs

Matrix: Non-Potable Water
D/T Collected: 02/20/2024 07:30
Collected by: Aman Sterling

Municipal Separate St

Analyte	Result	Unit	Method	PQL	Analysis Date	Analyst
Cadmium	ND	ug/L	SM 3120B	0.5	03/04/24	WM
Phosphorus, Total	0.172	mg/L	EPA 365.1	0.004	02/22/24	WM
Lead	3.44	ug/L	SM 3120B	0.5	03/04/24	WM
Zinc	53.2	ug/L	SM 3120B	0.5	03/04/24	WM

Sample: 2
Location: Spokane River (Bellerive)
Sample Type: Grabs

Matrix: Non-Potable Water
D/T Collected: 02/20/2024 07:15
Collected by: Aman Sterling

Analyte	Result	Unit	Method	PQL	Analysis Date	Analyst
Phosphorus, Total	0.129	mg/L	EPA 365.1	0.004	02/22/24	WM
Lead	3.22	ug/L	SM 3120B	0.5	03/04/24	WM
Zinc	62.0	ug/L	SM 3120B	0.5	03/04/24	WM

If the RESULT is 'ND' (Not Detected) or 'Absent', that means the concentration is less than the PQL (Practical Quantitation Limit for this method).

Comments:



Laboratory Supervisor, Digitally signed by: Walter Mueller Date: 03/04/24

Accurate Testing Labs, LLC

7950 Meadowlark Way
Coeur d'Alene, ID 83815
Phone (208) 762 8378 Fax (208) 762 9082
www.accuratetesting.com
info@accuratetesting.com

Certificate of Analysis

Order No.:

2024080402

Page: 1 of 1

CDA Drainage Utility

710 Mullan Ave

CDA , ID 83814

Project: Stormwater Monitoring

Date Received: 08/16/2024 09:34

Sample: 1
Location: CDA Lake (3rd St Boat Launch)
Sample Type: Grabs

Matrix: Non-Potable Water
D/T Collected: 08/16/2024 07:10
Collected by: Kim Harrington

Municipal Separate St

Analyte	Result	Unit	Method	PQL	Analysis Date	Analyst
Cadmium	ND	ug/L	SM 3120B	0.5	08/20/24	WM
Phosphorus, Total	0.199	mg/L	EPA 365.1	0.004	08/22/24	WM
Lead	1.19	ug/L	SM 3120B	0.5	08/20/24	WM
Zinc	15.3	ug/L	SM 3120B	0.5	08/20/24	WM

Sample: 2
Location: Spokane River (Bellerive)
Sample Type: Grabs

Matrix: Non-Potable Water
D/T Collected: 08/16/2024 06:55
Collected by: Kim Harrington

Analyte	Result	Unit	Method	PQL	Analysis Date	Analyst
Phosphorus, Total	0.242	mg/L	EPA 365.1	0.004	08/22/24	WM
Lead	ND	ug/L	SM 3120B	0.5	08/20/24	WM
Zinc	12.3	ug/L	SM 3120B	0.5	08/20/24	WM

If the RESULT is 'ND' (Not Detected) or 'Absent', that means the concentration is less than the PQL (Practical Quantitation Limit for this method).

Comments:



Laboratory Supervisor, Digitally signed by: Walter Mueller Date: 08/22/24



Chain of Custody

Chain of Custody

Accurate Testing Labs

7950 Meadowlark Way | Cocur d'Alene, ID 83815 | Phone: (208) 762-8378 | Fax: (208) 762-2000
E-mail: mueller@accuratetesting.com | Internet: <http://www.accuratetesting.com>

Results & Invoice to:

City of Coeur d'Alene Drainage Utility

Address: 710 E. Mullan Avenue

Coeur d'Alene, Idaho 83814

Phone: 208-769-2300

Phone: 208-769-2300 Fax:

Billing: kimh@cdaid.org

Project Information:

Project Name: Stormwater Monitoring

Project Number:

Purchase Order Number:

Lab #	Sample ID	Date	Time	Matrix
402-1	Cda Lake	8-16-24	7:10 am	
	(3rd St. Boat Launch)			

- 2	Spokane River	8-16-24	6:55 am
	(Bellerive)		

[illegible]

Relinquished by:	Date	Time
Kim Sturtinger	8-16-24	9:14am
Mike Willis	8-16-24	10:34

Reporting Requirements:

Preliminary: FAX ☐ Verbal ☐ bv: ☐ / ☐Final Report: FAX ☐ Verbal ☐ by: / /Rushes: 48 hrs. ☐ Other: ☐

kimh@cdaid.org

ANALYSIS REQUEST

[illegible]

Relinquished by:	Date	Time
Kim Sturtinger	8-16-24	9:14am
Mike Willis	8-16-24	10:34

Name of Sampler:
Kim Harrington

Remarks/Sample Conditions

Chain of Custody Seals
☐ Yes ☐ No ☐ N/A
☐ UPS ☐ FedEx
☐ Bus ☒ Hand

Municipal Separate St

Coeur d'Alene Press Article

Ice, de-ice, baby!

SharePrint

Courtesy of City of Coeur d'Alene

Municipal Separate St

By **OUR GEM Cd'A LAKE COLLABORATIVE**

| December 10, 2023 1:05 AM

One of the many perks of North Idaho is the four defined seasons we get to experience every year. Spring brings us flowers and sunshine, summer brings us long days full of adventure, in fall we watch the leaves change, and in winter we enjoy a multitude of snow sports. The challenges of winter, though, include walking and driving conditions.

To combat snow and ice, the city of Coeur d'Alene has an annual snow plan, approved each year by the City Council, that sets the standard for snow removal based on temperature and snowfall forecasted. The snow plan and a snowplow status map can be found on the city's website. For icy conditions, the city uses de-icers made at their own brine center. This facility allows the city to mix its own de-icing solutions to meet its needs and also provide it to neighboring cities, the county, North Idaho College, and the school district. The city also works on ways to minimize use, saving taxpayer money and protecting our cars, roads, sidewalks, and water bodies from the potential effects of de-icers.

While the city takes care of our roads and highways, the citizens of Coeur d'Alene are responsible for their sidewalks, walkways, and driveways. Many turn to common salt de-icers to help clear these ways and make them safe for pets and people to walk on. Did you know that many of these de-icers can have a negative impact on environmental health and water quality? Like everything that ends up on our streets and paved surfaces, de-icers find their way into our waterways via stormwater. Once snow melts that water is washed down our storm drains and eventually to our water bodies. This presents another opportunity for residents and business owners to make wise decisions on behalf of our beautiful waterways.

According to the Minnesota Stormwater Manual, high levels of chloride (found in de-icers and salts) can lead to oxygen depletion in water, and low water oxygen

Coeurd'Alene Press Article

levels can be detrimental to fish and other aquatic life. Chlorides can also impact soils and the terrestrial plants growing in them, including lawns and landscapes around homes and businesses. Household de-icers are also known to be corrosive and can damage your sidewalks and driveways over time.

We all know for our community's safety, addressing icy areas is essential. Luckily there are a few tips that can help to reduce the amount of de-icers needed and, where necessary, minimize their negative impacts. Follow the guidelines below for safe walking and a healthy lake this winter.

Municipal Separate St

- Remove snow early and consistently to prevent compaction that can form ice.
- Use ice chisels or ice scrapers to break up the big ice.
- If temperatures drop below 0 degrees Fahrenheit most de-icers don't work well; use sand for traction instead.
- When using sand, sweep up and reuse when possible. This saves money, too!
- Use no more than four pounds of de-icer for every 1,000 square feet. Note: The average parking space is 150 square feet.
- One pound of salt is equal to about one 12-ounce coffee mug.
- Don't buy de-icer that doesn't list ingredients.

Signs you are using too much de-icer:

- Piles or clumps of it; the de-icer should be using sparingly.
- Nearby plants brown or dying.
- Rust on garage doors or metal around areas of application.
- Concrete breaking, chipping or cracking.

By using some of these tips, we can have safe walkways and driveways while doing our part to ensure we are protecting water quality in our treasured Idaho waterways.

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 gather and evaluate the information submitted. Based on the 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.

☒ Check to certify you have read the above language and abide by the language and terms

Name:

Signature Date: