

ENVIRONMENT COMMITTEE AGENDA

March 13, 2025 – Council Chamber

5:00P – 5:50P

Chair will call the meeting to order at 5:00 p.m.

1. Approval of the minutes from the meeting of 02.13.2025
2. NPDES Program Overview (15 minutes)
Staff will present an overview of NPDES actions performed in 2024.
3. 2025 Stormwater Management Program Plan (15 minutes)
Staff will present an overview of the 2025 Stormwater Management Program Plan.

DRAFT MINUTES – ENVIRONMENT COUNCIL COMMITTEE MEETING 02.13.2025

The meeting was called to order at 5:00 PM, Thursday, February 13, 2025 in the Council Chamber with the following in attendance:

Council Members

J.C. Harris (Chair)
Yoshiko Grace Matsui (Vice Chair) absent
Gene Achziger

City Staff

Katherine Caffrey – City Manager
Michael Slevin – Public Works Director
Tommy Owen – City Engineer
Tyler Beekley – Surface Water/Environmental Engineering
Manager
Alex Johnson – Surface Water Engineer
Rebecca Deming – Community Development Director
Jeff Friend – Finance Director
Matthew Hutchins – Assistant City Attorney
Sara Lee – Deputy City Clerk
Jodi Grager – Administrative Coordinator I

Guests – Mayor Traci Buxton and Councilmember Matt Mahoney, Bill Linscott
Parametrix Consultants – Nikki Redden and Paul Fendt

AGENDA

1. Approval of the minutes from the 01.09.2025 meeting
2. CIP Project Updates + Des Moines Creek Estuary Follow Up

MEETING:

1. Unanimous approval of the 01.09.2025 meeting
2. Surface Water/Environmental Engineering Manager Tyler Beekley introduced Civil Engineer Alex Johnson to review a Capital Project Update (Item #2 Attachments 1-2). The Committee discussed the delays on the 24th Ave S Roadway Improvements Project. A previous project at Marine View Drive S and Lower Massey Creek area was also highlighted. It was suggested that future updates include information on budget and schedule risks. C.E. Johnson along with Parametrix consultants Nikki Redden and Paul Fendt provided a PowerPoint *Des Moines Creek Estuary Restoration 02/13/2025*. The design has progressed a bit from last month's presentation. Several 3D renderings and a fly through video were included in the PowerPoint. This project is funded through the 30% design stage. Later this month, staff will be submitting a grant application which will allow for 100% design funding. As the project evolves there will be additional time for public engagement and feedback. The Full Council will receive the presentation at tonight's meeting should there be additional committee comments and questions. The project timeline, funding, cosmetic vs. functional aspects and flooding elevations were topics of interest.

Meeting adjourned at 5:48 p.m. Minutes respectfully submitted by: Jodi Grager, Admin Coordinator



NPDES PROGRAM OVERVIEW

MARCH 2025 UPDATE

NPDES PROGRAM SUMMARY AND BACKGROUND

The National Pollutant Discharge Elimination System (NPDES) is a permit program first introduced as part of the Federal Clean Water Act in 1972. Public owners of stormwater drainage systems, like the City of Des Moines', are considered dischargers.

- Each year staff provides the Environment Committee with an update on the City's NPDES permit and the efforts completed over the previous year (2024).
- Phase II of the NPDES program unfolded in 2007 and required smaller communities to obtain a permit and develop stormwater management plans.

NPDES PROGRAM REQUIREMENTS

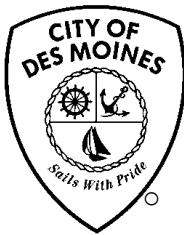
- The 2019-2024 Western Washington Phase II permit has many requirements aimed at preventing, reducing, and eliminating pollutants. These requirements are broken down into eight categories.
- 2024 marked a transition year as the City prepared for new permit requirements while continuing compliance under the 2019-2024 permit. The new 2024-2029 permit became effective on August 1, 2024.

1. STORMWATER PLANNING

- Low Impact Development – ongoing requirement to make LID the preferred and commonly used approach
- Began aligning stormwater planning efforts with new NPDES permit requirements, including tree canopy evaluation and future watershed-based strategies.
- Watershed Planning Program
 - The Stormwater Management Action Plan (SMAP) was completed before the March 2023 deadline. Lower Massey and Barnes Creek was selected as a high priority basin and various short/long term goals were added to the SMAP.

2. PUBLIC EDUCATION & OUTREACH

- General Awareness Programs
 - Puget Sound Starts Here Ad Campaign
 - City Currents/Facebook Articles
 - Carwash Kits (5 checked out)
 - Highline Stormfest (Environment Committee update scheduled for July)
- Behavior Change Program
 - BEA Environmental Business Outreach (23 businesses served)
- Stewardship Programs
 - Storm Drain Marker Volunteers (2 new volunteers – 250 storm drains marked)



NPDES PROGRAM OVERVIEW MARCH 2025 UPDATE

- Adopt-a-Drain Programs (41 catch basins have been adopted)

3. PUBLIC INVOLVEMENT & PARTICIPATION

- Stormwater Management Program Updated Annually
- City Website Public Comment Invitation (posted 2.21.2024 / City Currents article)

4. UTILITY MAPPING & DOCUMENTATION

- Ongoing mapping of new developments
- Map updates from Public Work Crew field investigations
- Outfall Mapping and material updates
- GIS analysis of the tree canopy (Consultant conducted a stormwater-focused inventory to assess total cover, riparian cover, critical areas, and shoreline canopy)

5. ILLICIT DISCHARGE DETECTION & ELIMINATION (IDDE)

- Spill response tracking & investigation (48 spills reported in 2024)
- Field screening program (61% field screened in 2024)
- Continued training of staff in IDDE

6. CONTROLLING RUNOFF FROM CONSTRUCTION SITES

- Plan review process (97 projects reviewed in 2024)
- Inspection process (111 inspections in 2024)
- Enforcement actions (45 enforcement actions taken in 2024)

7. OPERATIONS & MAINTENANCE

- Stormwater facility inspections/maintenance
 - 235 total facilities
 - 235 inspected
 - 18 maintained
- Catch basin inspection/maintenance
 - 5,095 total CBs
 - 3,097 inspected
 - 610 maintained
- Stormwater Pollution Prevention Plan for City maintenance & storage facilities
- iPad integration & inspection tracking
- Environment Committee update scheduled for May

8. SOURCE CONTROL FOR EXISTING DEVELOPMENT

- BEA Environmental conducted inspections at 40 businesses in 2024.
 - Environment Committee update scheduled for November



STORMWATER MANAGEMENT PLAN (SWMP) OVERVIEW MARCH 2025 UPDATE

Purpose

The City of Des Moines, WA is dedicated to protecting water quality and reducing stormwater pollution in compliance with the National Pollutant Discharge Elimination System (NPDES) Phase II Municipal Stormwater Permit. The 2025 Stormwater Management Plan (SWMP) outlines planned actions to meet regulatory requirements, enhance community engagement, and improve surface water management practices.

Key Program Changes

Public Education & Outreach (S5.C.1)

- Host Stormfest, an interactive event designed to teach students about stormwater. (June 10 – 12)
- Plan for the expansion of the Adopt-a-Drain program to increase community engagement.

Public Involvement & Participation (S5.C.2)

- No change to existing efforts

Illicit Discharge Detection & Elimination (IDDE) (S5.C.3)

- Maintain an updated storm system map and refine tracking by standardizing field data collection procedures and improving documentation of investigation outcomes to ensure more effective follow-up and enforcement.

Runoff Control for Development & Construction (S5.C.6)

- Improve the guidance provided to developers and contractors on Low Impact Development (LID) techniques during permitting and construction.



STORMWATER MANAGEMENT PLAN (SWMP) OVERVIEW MARCH 2025 UPDATE

Source Control for Existing Development (S5.C.8)

- Conduct 40 business inspections for compliance with stormwater BMPs.
- Establish positive relationships with and provide educational materials to businesses regarding proper source control practices.
- Train City staff on updated source control BMPs and enforcement procedures.

Operations & Maintenance (S5.C.7)

- Evaluate and update the street sweeping program for maximum water quality benefits.
- Research PCB BMPs related to City-owned building cleaning, maintenance, and demolition.

Monitoring & Assessment (S8)

- Support stormwater effectiveness studies and source identification efforts, including PFAS monitoring.

Implementation & Reporting

- Track and document all SWMP implementation efforts throughout the year. An annual report summarizing compliance activities and progress will be submitted to the Washington State Department of Ecology by March 31, 2026.