

AGENDA

DES MOINES CITY COUNCIL
ENVIRONMENT COMMITTEE
City Council Chambers
21630 11th Avenue S, Des Moines, Washington
Thursday, July 11, 2024 - 5:00 PM

Environment Committee: Chair JC Harris, Vice Chair Yoshiko Grace Matsui, Gene Achziger

CALL TO ORDER

AGENDA

- Item 1. APPROVAL OF THE MINUTES FROM THE MEETING OF 06.13.2024
[06.13.24 Draft Environment Committee Minutes](#)
- Item 2. 2024 NPDES PERMIT REISSUANCE (20 MINUTES)
- *Staff will provide a presentation of the final 2024 NDPES Permit and the new requirements.*
- [2024 NPDES Permit Reissuance](#)
- Item 3. STORMFEST PROGRAM OVERVIEW (15 MINUTES)
- *Staff will provide a summary of the 2024 Stormfest Event.*
- [2024 Stormfest Program Update](#)

ADJOURNMENT

DRAFT MINUTES – ENVIRONMENT COUNCIL COMMITTEE MEETING 06.13.2024

The meeting was called to order at 5:00 PM, Thursday, June 13, 2024 in the Council Chamber with the following in attendance:

Council Members

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

City Staff

Tim George – Interim City Manager
Tommy Owen – Acting Public Works Director
Tyler Beekley – Surface Water/Environmental Engineering
Manager
Michael Posey – SWM Engineering Technician I
Matthew Hutchins – Assistant City Attorney
Sara Lee – Deputy City Clerk
Laura Hopp – Administrative Coordinator I
Jodi Grager – Administrative Coordinator I

Guests – Mayor Traci Buxton, Councilmembers Matt Mahoney and Harry Steinmetz
StART SEA Stakeholder Advisory Round Table Representatives Joe Dusenbury and Steve Novak
Barbara McMichael, Martha Hamilton, Chuck Coleman

AGENDA

1. Approval of the minutes from the 05.09.2024 meeting
2. Public Works Yard Groundwater Remediation Update
3. Capital Improvement Plan (CIP) Project Update
4. StART Update

MEETING:

1. Unanimous approval of the 05.09.2024 minutes.
2. SW/Environmental Engineering Manager Tyler Beekley presented a summary of the history and progress of the remediation efforts at 21650 11th Ave S (see Item #1 Attachments). The City has been involved in the Voluntary Cleanup Program (VCP) with the Department of Ecology since 2000. The most recent remediation strategy involved injecting a solution of in-situ chemical oxidation with the goal of promoting the degradation of the remaining constituents of concern (COCs). It is hoped that future testing levels may indicate proceeding to close-out of these efforts.
3. Manager Beekley stated that the CIP hasn't changed much from the last update to the committee (see Item #3 Attachment). He reviewed the projects listed as Current Construction:
 - WSDOTs project, the KDM Culvert Replacement is 99% completed and final paving could happen June 21st-22nd.

- The utilities have completed their undergrounding work on 24th Ave S. and staff are expecting the contractor to be on site next week.
- Pump floats have yet to be delivered for 1st Ave. The contractor will begin close-out once the pump floats have been installed.
- Harkness Construction was awarded the bid on Segment A of the KDM/16th Ave S project. They have indicated a July start.

Other projects discussed were:

- Staff are close to completing the permitting/design work on the Des Moines Memorial Drive (S 208th-212th). Although it may be awkward timing for going to bid, the consultants are confident that competitive bids will be received.
- The Deepdene Outfall Project will likely see construction start next summer.
- The Estuary Pocket Projects are in the preliminary design phase. Updates will be provided to this committee.

Additional information was provided regarding a replacement pipe project that will address flooding issues on 6th Place/S 287th. Manager Beekley also mentioned SWM has applied for a grant to study stormwater run-off at the proposed Marina Steps Project. The study would look at new medias that may be effective in removing pollutants from stormwater run-off.

4. Citizen Representatives to the StART Committee Joe Dusenbury and Steve Novak presented a summary of the April 8th, 2024 Aviation Noise Working Group meeting (see Item #4 Attachment). The Committee appreciated their participation in this advisory round table.

Citizens Martha Hamilton provided public comment regarding Accessory Dwelling Units and the costs for additional utility hook-ups. Barbara McMichael stated that there should be coordination of Part 150 Airport Noise meeting schedules with the surrounding cities. The last meeting was scheduled the same date as a council meeting.

Meeting adjourned at 5:50 p.m.

Minutes respectfully submitted by: Jodi Grager, Admin Coordinator



2024 NPDES PERMIT REISSUANCE JULY 2024

New 2024 NPDES Permit and Program Requirements

The City's current NPDES permit expires on July 31, 2024 and on August 1, 2024 a new permit will be issued and become effective. The summary below highlights the significant new requirements under the new permit.

1) Stormwater Planning

- No later than December 31, 2028, Permittees shall adopt and implement tree canopy goals and policies to support stormwater management and water quality improvement in receiving waters.
- No later than March 31, 2027, Permittees shall complete a Stormwater Management Action Plan (SMAP) for at least one new high-priority catchment area or additional actions for an existing SMAP.

2) Public Education and Outreach

- No later than July 1, 2025, each Permittee shall evaluate the effectiveness of an ongoing behavior change campaign. Permittees shall document lessons learned and recommendations for which option to select from below and no later than September 1, 2026, begin to implement the strategy developed.
 1. Develop a strategy and schedule to more effectively implement the existing campaign;
 2. Develop a strategy and schedule to expand the existing campaign to a new priority audience or BMPs; or
 3. Develop a strategy and schedule for a new priority audience and BMP behavior change campaign.

3) Public Involvement and Participation

- Annually, Permittees shall document specific public involvement opportunities provided to overburdened communities. No later than December 31, 2026, document methods used to identify overburdened communities.

4) MS4 Mapping & Documentation

- No later than March 31, 2028, develop a methodology to map and assess acreage of MS4 tributary basins to outfalls or discharge points that have stormwater treatment and flow control facilities owned or operated by the Permittee.

- No later than December 31, 2028, begin mapping of Permittee-owned or operated properties with tree canopy based on available, existing data.

5) Illicit Discharge Detection and Elimination

- *New Code:* Commercial, industrial, and multi-story residential structures constructed or remodeled between the years 1950 and 1980 (i.e. those most likely to have PCB containing building materials), **shall be assessed for PCB-containing materials prior to routine building washdown. Structures confirmed or suspected to have PCB-containing materials shall not discharge washdown to the MS4.** The Permittee shall reduce these discharges through, at minimum, public education activities or water conservation efforts, or both. Single-family residential buildings are exempt from PCB assessment. Structures built or renovated between 1950-1980 and determined to be without PCB- containing materials may conduct routine building washdown (without detergents) as described above.

6) Controlling Runoff from Construction Sites

- No later than June 30, 2027, each Permittee shall adopt and make effective a new stormwater design manual.
- Each Permittee shall manage maintenance activities to inspect all stormwater treatment and flow control BMPs/facilities, and catch basins, in new residential developments at least twice per 12- month period with no less than 4 months between inspections, until 90% of the lots are constructed.

7) Stormwater Management for Existing Development (new section)

Each Permittee shall implement a Program to control or reduce stormwater discharges to waters of the State from areas of existing development. The Program shall aim to focus on strategic stormwater investments over longer planning timeframes.

- Permittees shall implement stormwater facility retrofits, or tailored SWMP actions that meet the assigned equivalent acreage requirement, using one or a combination of the following:
 - Strategic stormwater investments identified in the SMAP; and/or
 - Opportunistic stormwater investments identified by leveraging projects outside of SMAP areas to improve stormwater management and infrastructure.
- The City of Des Moines' assigned equivalent acreage is 5.3 and is based on population.
- No later than March 31st, 2028, Permittees shall fully fund, start construction, or completely implement project(s) that meet the assigned equivalent acreage and submit documentation with the Annual Report.

8) Source Control Program for Existing Development

No substantial changes proposed.

9) Operations and Maintenance

- No later than July 1, 2027, develop and implement a municipal street sweeping program to target high-priority areas and times during the year that would reasonably be expected to result in the maximum water quality benefits to receiving waters.
 - Sweep high-priority areas at least once between July and September each year and two additional times a year as determined by the Permittee to provide additional water quality benefits. For calendar year 2027, only one sweeping event is required.
 - High-priority areas, include:
 - a. High-traffic roads, such as arterials;
 - b. Accessible curb and gutter streets - permittees may need to implement parking restrictions or other effective methods to optimize pollutant removal;
 - c. Areas with significant tire wear, e.g. roundabouts, high traffic intersections, municipal-operated parking lots;
 - d. Areas with significant tree canopy with seasonal leaf litter drop;
 - e. Municipal roads that serve commercial or industrial land use areas; and
 - f. MS4 basins that discharge to surface receiving waters that support salmonids.
 - Annually sweep at least 90% of high-priority areas within the MS4 drainage areas.



HIGHLINE STORMWATER FESTIVAL (STORMFEST) JULY 2024 OVERVIEW

BACKGROUND – WHAT IS STORMFEST?

- Interactive, experiential-based stormwater science educational program for 6th grade students.
- Students rotate through hands-on education stations and learn about their local watershed, the animals that live in them, sources of pollution, and engineering and behavioral solutions to prevent stormwater pollution.
- Developed through an Interlocal Agreement with Des Moines, Burien, Normandy Park, King County, and SeaTac; and partnering with Highline School District, Environmental Science Center, and Enviroissues.
- The first StormFest was in 2018 at the Des Moines Beach Park. During the peak of the COVID-19 pandemic, the StormFest committee adapted the curriculum for remote learning. Since 2023, Stormfest has returned to the Des Moines Beach Park.



HOW DID STORMFEST GO THIS YEAR?



- The StormFest committee and our volunteers welcomed around 1200 students from Glacier, Chinook, Cascade, Sylvester, and Pacific middle schools between June 4th – 6th.
- 6 committee members (including DM), 17 volunteers, 2 interpreters, 42 station educators.



HIGHLINE STORMWATER FESTIVAL (STORMFEST) JULY 2024 OVERVIEW



- Five lessons: Stormwater pollution, watershed model, community actions, schoolyard solutions, and a low tide beach walk.
- The event was well organized and aside from some rain on day 1, the StormFest Committee received much positive feedback from the 6th grade students.
- The Committee will be exploring funding options to provide children with disabilities access to the beach by purchasing an all-terrain wheel chair.

PROPOSED ACTIONS FOR NEXT YEAR'S EVENT

- The StormFest Committee will be working to renew an Interlocal agreement (ILA) between the shared municipalities and continue the Stormfest event for years to come.
- We will be collecting survey data from teachers and students to evaluate the effectiveness of this year's event and apply the feedback to next year's event.
- The StormFest Committee will be discussing the expansion of the event to include local private and homeschools.



7/11/2024 Environment Committee Meeting

