

# ENVIRONMENT COMMITTEE AGENDA

May 9, 2019 – North Conference Room

21630 11<sup>th</sup> Avenue South – Des Moines 98198

6:00 PM – 6:50 PM

1. Approval of the minutes of 3.14.2019 meeting (Chair to call the meeting to order at 6:00 pm)
2. NPDES Program Update (Informational – 6:00 to 6:25 pm)  
*Staff will provide an update for the ongoing NPDES Program.*
3. Draft 2019-2024 NPDES Permit (Informational - 6:25 to 6:45 pm)  
*Staff will be briefing the Committee on the 5-year NPDES Permit renewal that is scheduled to be issued to the City later this year.*
4. 2019 Work Plan (Informational – 6:45 – 6:50 pm)  
*Staff will seek confirmation from the Committee on the 2019 Work Plan.*

## DRAFT MINUTES - ENVIRONMENTAL COUNCIL COMMITTEE MEETING 3.14.2019

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The meeting was called to order @ 6:00 PM, Thursday, February 21, 2019, in the North Conference room @ 21630 11<sup>th</sup> Avenue South, Des Moines with the following in attendance:

### Council Members

Traci Buxton (Chair)  
Robert Back  
Matt Pina

### Guests:

Robert & Sandy Bisordi

### City Staff

Dan Brewer – Chief Operations Officer  
Brandon Carver, PW Director  
Loren Reinhold, SWM Utility Manager  
Tyler Beekley, Civil Engineer II  
Tim George, City Attorney  
Beth Anne Rowe, Finance Director  
Matt Hutchins, Assistant City Attorney  
Peggy Volin, Admin Asst. II

### **AGENDA:**

1. Approval of 11.8.2018 & 2.21.2019 Minutes
2. CIP Project Updates
3. Poverty Bay Shellfish Protection District Update

### **MEETING:**

1. Approval of the minutes of 11.8.2018 & 2.21.2019 meetings – unanimous approval.
2. CIP Project Updates: Loren Reinhold, SWM Utility Manager and Tyler Beekley, Civil Engineer II provided updates on the 2019 CIP schedule. They went through each item listed which included the current status, timeline and any other pertinent information.
3. Poverty Bay Shellfish Protection District Update: Tyler Beekley, Civil Engineer II updated the Committee on the latest Poverty Bay Technical Committee meeting which spanned many topics relating to the Shellfish Protection District and the ongoing efforts to reopen the shellfish beds.

Meeting adjourned at 6:50 pm

Minutes respectfully Submitted by: Peggy Volin, Admin Asst II

## **Environment Committee Meeting 5/9/19 NPDES Permit Update:**

### **Overview:**

Each year staff provides the Council Environment Committee with an update on the City's NPDES permit. The Permit is held and managed by the Surface Water Department. Each update entails a brief history of the permit, an explanation of the various requirements and how we are meeting them, and future updates to the permit.



### **NPDES Program Summary and Background:**

NPDES is an acronym for the **National Pollutant Discharge Elimination System** and is a permit program that was first introduced as part of the Federal Clean Water Act in 1972. The goal of the permit program is to control and regulate the discharge of point source pollution into the nation's water by issuing permits to dischargers. Drainage systems, like the City of Des Moines' drainage system, are considered dischargers.

Nationally, the NPDES program is administered by the Environmental Protection Agency. In some states, including Washington, the authority to administer the program has been delegated to the State. In Washington, this authority belongs to the Washington State Department of Ecology (Ecology).

Phase II of the NPDES program unfolded in 2007 and required that smaller communities also obtain permit coverage and develop stormwater management plans. The City of Des Moines is currently under the 2013-2018 Western Washington Phase II Permit and a draft permit for 2019-2024 will become effective August 1, 2019.

### **NPDES Program Requirements:**

The current NPDES permit has many requirements aimed at preventing, reducing, and eliminating pollutants from both our creeks and the Puget Sound. These requirements are broken down into five main categories: public education/outreach, public involvement/participation, illicit discharge detection/elimination, controlling runoff from construction sites, and public operations/maintenance.

## ❶ Public Education and Outreach

The program is required to include an education and outreach program designed to reduce or eliminate behaviors and practices that cause or contribute to adverse stormwater impacts and encourage the public to participate in stewardship activities. The following list provides examples of ways we met this requirement in 2018.

- ECOSS Business Outreach (30 Businesses served)
- Highline Stormfest (Over 2,000 students served)
- Puget Sound Starts Here Commercial Series (NW Emmy Nominated)
- City Currents Articles
- United Way's Day of Caring (54 volunteers)
- Storm Drain Marker Program (Over 600 basins marked)
- Carwash Kits (3 kits checked out)



## ❷ Public Involvement and Participation

The program is required to provide ongoing opportunities for public involvement and participation in the development of the program management plan.

- Storm Water Management Program Updated Annually
- SWM Website Public Comment Invitation

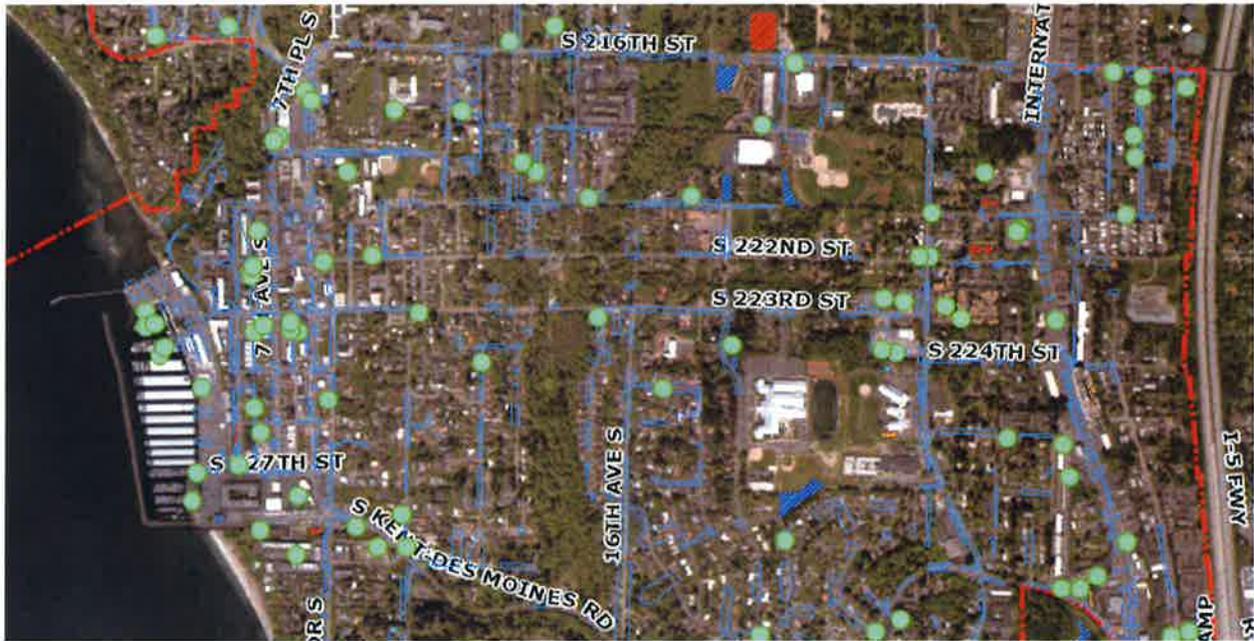
## ❸ Illicit Discharge Detection and Elimination

The program is required to include an ongoing program designed to prevent, detect, characterize, trace and eliminate illicit connections and illicit discharges into the municipal stormwater system. The following list provides examples of ways we met this requirement in 2018.

- Citywide map updates/improvements
- Spill Response Tracking/Investigation (39 Spill Responses)
- Field Screening Program (12% each year)



- King County Local Source Control Inspections (89 Inspections)
- Staff Training



#### ④ Controlling Runoff from Construction Sites

The program is required to implement and enforce a program to reduce pollutants in stormwater runoff from new development, redevelopment and construction site activities. The following list provides examples of ways we met this requirement in 2018.

- Plan Review process (157 projects reviewed)
- Inspection process (81 construction sites inspected)
- Enforcement Actions (101 enforcement actions taken, 30% reduction from 2017)



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## 5 Pollution Prevention in Municipal Operations and Maintenance

The program is required to implement an operations and maintenance (O&M) program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations. The following list provides examples of ways we met this requirement in 2018.

- Stormwater Facility Inspections (216 Completed)
- Stormwater Facility Maintenance (81 Maintained)
- Catchbasin Inspections (1127 Completed)
- Catchbasin Maintained (463 Maintained)
- SWPPP for City Maintenance/Storage Facilities
- Facility Inspections/Ipad Integration
- Cityworks Inspection Tracking



## **New 2019 NPDES Permit and Program Requirements**

The City's current NPDES permit expires on July 31, 2019 and on August 1, 2019 a new permit will be issued and become effective. Formal drafts of the new permit have been issued and final permits will be reissued July 1, 2019 after the Department of Ecology considers all public comments and makes the final changes. The summary below highlights the new requirements under the new permit.

### **① Public Education and Outreach**

- By April 2020 complete an evaluation of the ongoing behavior change program and develop a strategy to improve the ongoing behavior change of target audiences. (Expected to be completed by City staff with minimal relative cost)
- By April 2021 begin to implement strategies develop in the evaluation of ongoing behavior change. (Expected to be completed by City staff with minimal relative cost)
- By March 2024 evaluate and report on the changes in understanding and adoption of targeted behaviors resulting from the implementation of the strategy and any changes to the program in order to be more effective. (Expected to be completed by City staff with minimal relative cost)

### **② Public Involvement and Participation**

- No substantial changes.

### **③ Illicit Discharge Detection and Elimination**

- A new stand-alone permit section for mapping separate from the IDDE section.
- By August 2021 map all known public stormwater outfalls with size and material recorded. (Expected to be completed by City staff with substantial field mapping and investigation efforts)
- Spill Response tracking must conform to Ecology's new format. (Expected to be completed by City staff with minimal relative cost)

### **④ Controlling Runoff from Construction Sites**

- By December 2020 King County will have to amend their current manual to conform to Ecology's 2019 Surface Water Manual. This newly amended manual will be automatically adopted through City of Des Moines Municipal Code. (Expected to be completed by City staff with minimal relative cost)

### **⑤ Pollution Prevention in Municipal Operations and Maintenance**

- No substantial changes.

### ① Source Control Program for Existing Development (New Permit Section)

- By August 2021 Permittees shall adopt and begin enforcement of an ordinance or other enforceable documents, requiring the application of source control BMPs for pollutant generating sources associated with existing land uses. (Expected to be completed by City staff with minimal relative cost)
- By August 2021 Permittees shall establish an inventory that identifies publically and privately owned commercial, and industrial properties which have the potential to generate pollutants. (Expected to be completed by City staff with minimal relative cost)
- By January 2022 Permittees shall implement an inspection program for sites identified.
  - 20% of the identified properties must be inspected each year.
  - All sites must be provided information about activities that may generate pollutants. (Expected to be completed by partnership with King County services or environmental consultant)
- By January 2022 Permittees shall implement a progressive enforcement policy to require sites to come into compliance. (Expected to be completed by City staff with minimal relative cost)

### ① Comprehensive Stormwater Planning (New Permit Section)

- Permittees shall document and assess existing information related to local receiving waters and contributing area conditions to identify receiving waters that will benefit from stormwater management planning. (Stormwater basin planning expected to be done in conjunction with a regional effort or developed with the help of an environmental consultant)
- By June 30, 2022, each Permittee shall develop and follow a prioritization process based on local and regional information. (Stormwater basin planning expected to be done in conjunction with a regional effort or developed with the help of an environmental consultant)
- No later than December 31, 2022, Permittees shall develop a Stormwater Management Action Plan (SMAP) for at least one high priority area. (Stormwater basin planning expected to be done in conjunction with a regional effort or developed with the help of an environmental consultant)

**Environment Committee  
2019 Work Program  
4/30/19**

**January 10, 2019**

No meeting scheduled

**February 21, 2019**

2019 Draft Work Plan  
Highline College Urban Agriculture  
Stormfest Interlocal Agreement

**March 14, 2019**

Poverty Bay Shellfish Protection District Update  
Barnes Creek Culvert Agreement with WSDOT

**April 11, 2019**

No meeting scheduled

**May 9, 2019**

Confirm 2019 Work Program  
NPDES Program Update  
Draft 2019-2024 NPDES Permit

**June 13, 2019**

CIP Project Updates  
Draft 2019-2024 SWM CIP

**July 11, 2019**

TBD

**August 8, 2019**

TBD

**September 12, 2019**

2020 SWM Capital Improvement Budget  
2020 Budget Discussions  
SWM Comprehensive Plan Mid-Plan Update

**October 10, 2019**

*Water District No. 54 Comprehensive Water Plan – tentative*  
Public Works Yard Groundwater Remediation Update

**November 14, 2019**

Poverty Bay Shellfish Downgrade Update  
Update on CMP Pipe Replacement Inventory

**December 12, 2019**

No meeting scheduled.

**Other Potential Topics:**

\*Urban Canopy

\*Saltwater Park – McSorley Creek Pocket Estuary Project