

# Item H, Informational Item: 1200-Z Industrial Stormwater Discharge General Permit Renewal

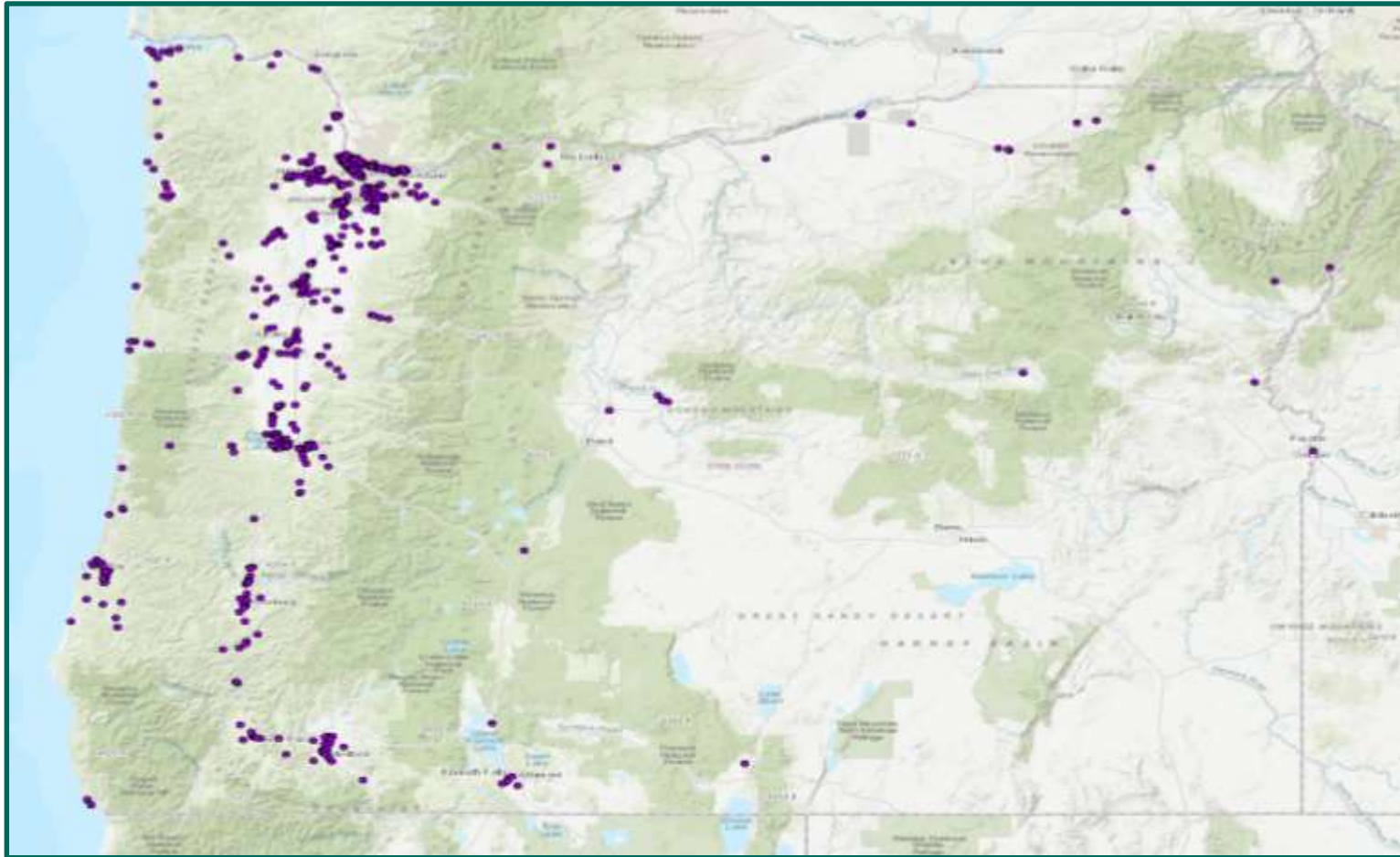
Presenting: Christine Svetkovich, Water Quality Manager

Environmental Quality Commission meeting

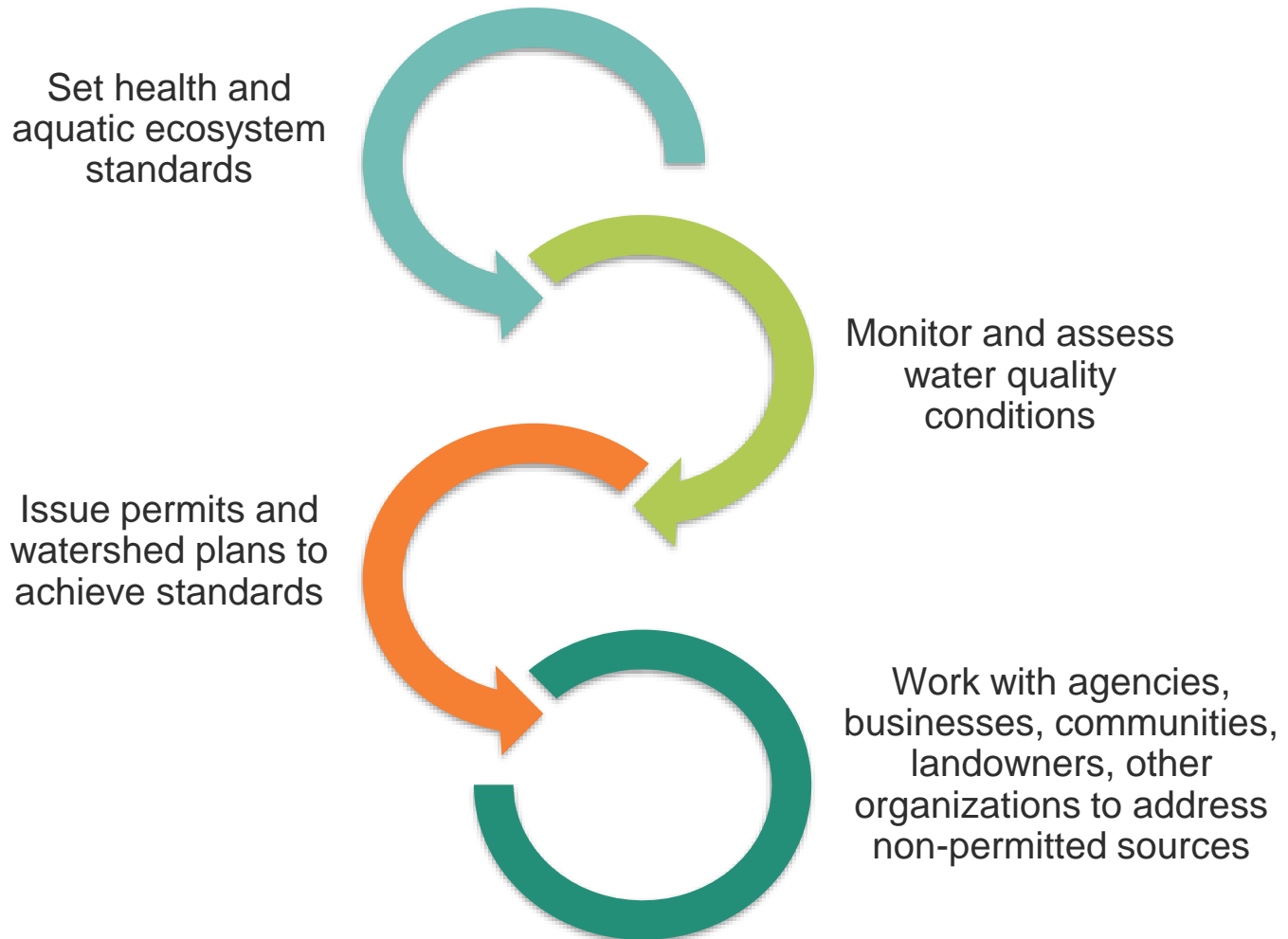
Jan. 21, 2021

Portland, Oregon

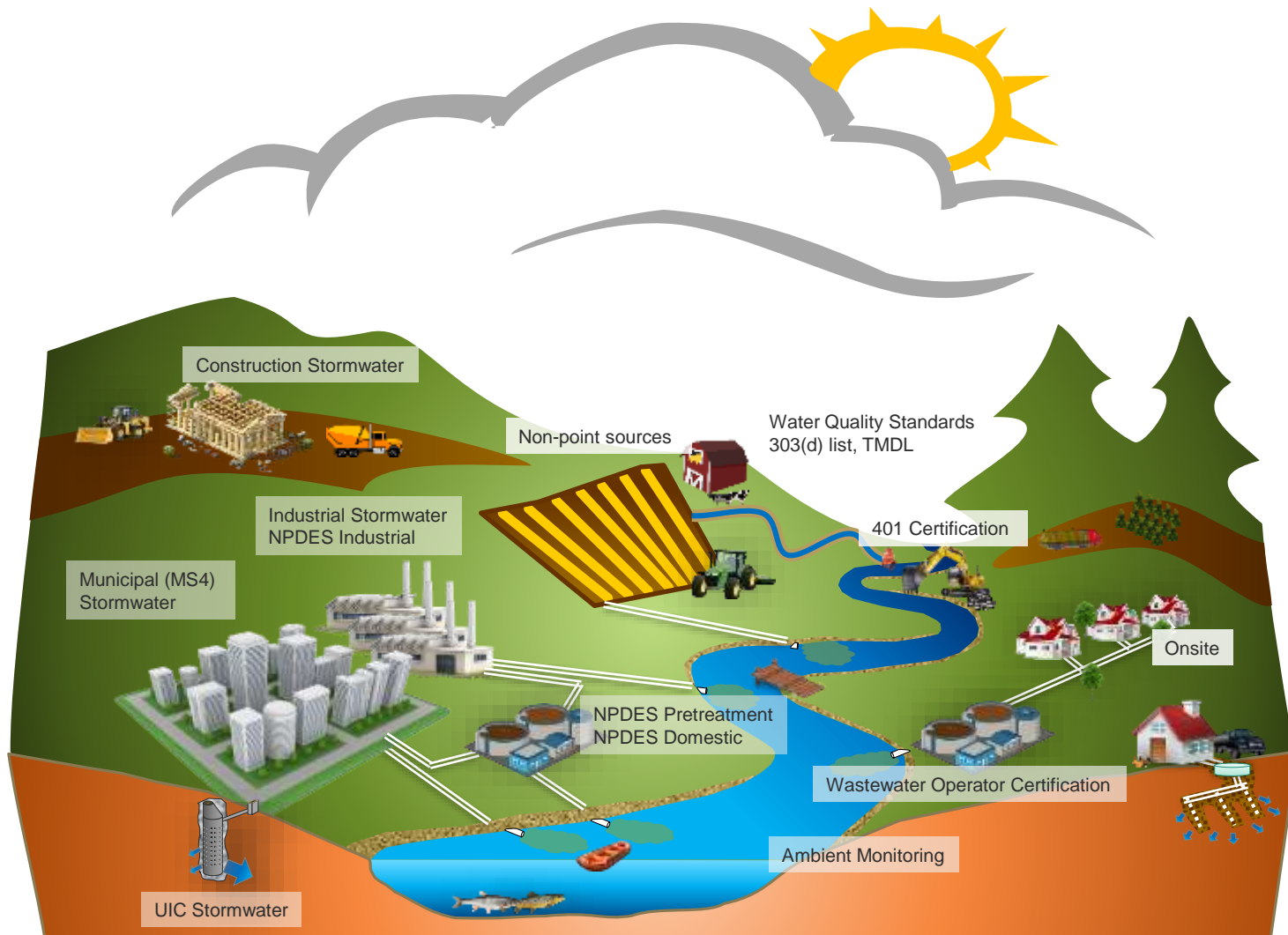
# 1200-Z permit overview



# WQ program basics



# 1200-Z permit



# 1200-Z permit rulemaking



# 1200-Z permit history

## Permit Issuance Dates

1991 (11 separate permits)

1997 (first 1200-Z single permit)

2002

2007

2012

2017 Reissuance 2018

# Current 1200-Z permit framework

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## All facilities:

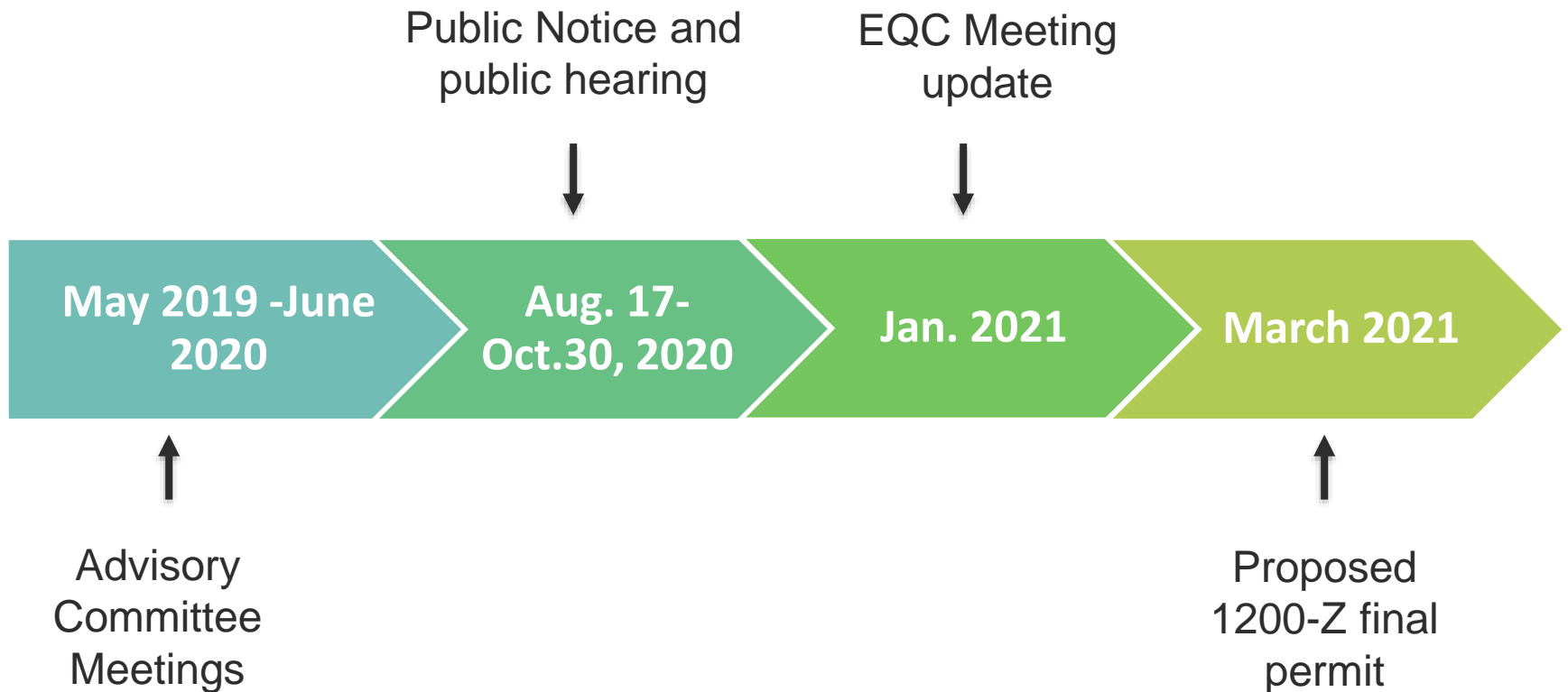
- Develop and implement a site specific stormwater pollution control plan
- Monitor stormwater
  - Benchmarks for copper, lead, zinc, pH and Total Suspended Solids (TSS)
  - Impairment pollutants
  - Sector specifics pollutants
- Required to install additional pollution controls if samples are above benchmarks

# 1200-Z permit rulemaking





# 1200-Z rulemaking timeline 2019-2021



# 1200-Z proposed permit changes

## Category 5: 303(d) listed waters:

- Water quality-based effluent limit for pH
- Schedule C, compliance schedule
- Narrowed sampling: copper lead, zinc, bacteria, and iron

### CATEGORY 5: 303(d) LISTED WATERS EXCEEDANCE RESPONSE

#### 13. Water Quality-based Effluent Limits

- A permit registrant that discharges into Category 5: 303(d) listed waters for pH must achieve the applicable basin-specific pH effluent limits in Table 5 and Appendix A.
- If either of the following events occur based on sample results for total copper, total lead, or total zinc, and the permit registrant that discharges into Category 5: 303(d) listed waters for that pollutant, the permit registrant must comply with an effluent limit, established by DEQ, that equal to the applicable water quality criteria specified in Table 6 shall become effective for the remainder of the permit term.
  - Any two consecutive samples exceed the applicable water quality criteria; or
  - Any one sample is greater than two times the water quality criteria.
- Permit registrants will be allowed a two year compliance schedule in accordance with Schedule C, when the water quality criteria in Table 6 escalates to a numeric effluent limit.
- Permit registrants that discharge into Category 5: 303(d) listed waters for fecal coliform and enterococcus must monitor stormwater discharge and report as specified in Tables 7 and 8 applicable to impairment pollutants. DEQ may require additional narrative water quality-based effluent limits if a public health risk is identified from the discharge.
- Permit registrant that discharge into Category 5: 303(d) listed waters for E. coli must implement controls to achieve 406 colonies per 100 ml.
  - Permit registrants' monitoring results that exceed E. coli two consecutive times during this permit term must implement the following narrative water quality-based effluent limits:
    - Prevent rodents, birds, and other animals from feeding/nesting/roosting at the facility to the degree possible. Nothing in this section shall be construed as allowing violations of

# 1200-Z proposed permit changes

## Benchmarks:

- Expanded geo-regions
- Recalculated concentrations based on Oregon's water quality criteria

### 2. Statewide Benchmarks:

Permit registrants must monitor for the following applicable benchmarks at all discharge points. See Schedule E of this permit for sector-specific benchmarks that apply to certain industrial sectors and co-located industrial activities. See Schedule B.6.c.ii and iii for exception.

Table 4: Statewide Benchmarks

Pollutant	Units	Columbia Slough	Portland Harbor	Cascades	Coastal	Columbia River	Eastern	Willamette Valley
pH	n.u.	5.5-9.0	5.5-9.0	5.5-9.0	5.5-9.0	6.0-9.0	5.5-9.0	5.5-9.0
Total copper	mg/L	0.012	0.012	0.016	0.018	0.024	0.032	0.014
Total lead		0.060	0.060	0.016	0.016	0.18	0.054	0.046
Total zinc		0.15	0.16	0.066	0.050	0.35	0.15	0.12
TSS		30	30	100	100	100	100	100
BOD <sub>5</sub>		24						
Total Phosphorus		0.16						
E. coli	Counts/ml	406						

# 1200-Z proposed permit changes

- Edits to improve clarity
- Corrective action responses
- Elements from EPA's draft permit

## BENCHMARK EXCEEDANCES CORRECTIVE ACTIONS

11. **Tier 1 and Tier 1.5 Corrective Action Response based on Exceedances of Benchmarks**
  - a. Permit registrants must take Tier 1 corrective actions based on triggering events below.
  - b. Triggering events include:
    - i. If the permit registrants' monitoring results exceeds a qualifying sample of any applicable statewide benchmarks in Table 4 of this permit or sector-specific benchmarks in Schedule E.
    - ii. Visual observations show signs of pollution as specified in Schedule B.11.vii.
  - c. Corrective action and reporting must include:
    - i. Investigate the cause of the elevated pollutant levels, including conducting, commencing or planning for any needed pollutant source tracing activities. Ensure that known or discovered significant materials from previous operations are controlled, removed or otherwise not exposed.
    - ii. Review the SWPCP to ensure it is implemented; evaluate selection, design, installation and implementation of control measures for compliance with this permit and manufacturers' specifications. Evaluate whether any previous pollutant source isolation actions are complete and whether additional modifications are necessary.
    - iii. Evaluate any treatment measures, infiltration devices and mass reduction measures, including if they were properly installed, maintained and implemented and whether maintenance, corrections, or modifications are necessary.
    - iv. Applicable corrective action response must be assessed and implemented on all substantially similar discharge points.

# Rulemaking comments and next steps



# 1200-Z permit rulemaking

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Questions?

# 1200-Z permit rulemaking

