

DEPARTMENT OF
ECOLOGY
State of Washington

2012 Industrial Stormwater General Permit Modification

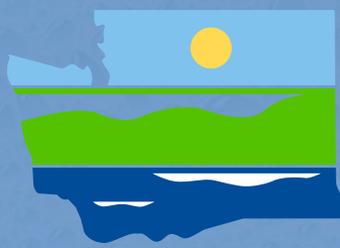
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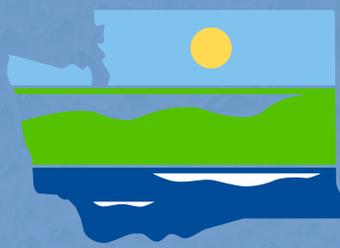




Purpose of Modification

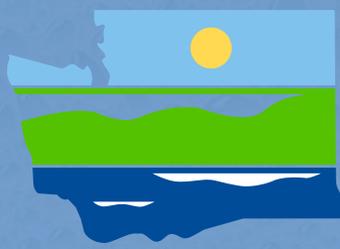
- Address 2011 PCHB Ruling on Appeal
- Change requirements for discharges to bacteria “impaired” waterbodies
- Fix errors/typos





Summary of Changes Effective July 1, 2012

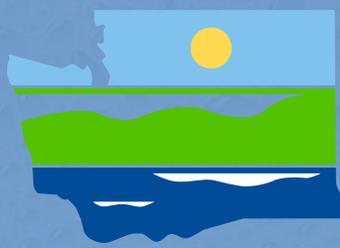
- Clarified which industrial facilities are categorically included and excluded from the general permit
- Clarified that modifications of permit coverage are not automatically approved
- Revised Sampling Requirements
- Revised requirements for discharges to Fecal Coliform 303(d)-listed waters
- Revised Level 1, 2, and 3 Corrective Action requirements



Condition S1. Permit Coverage

- Clarified the secondary triggers for transportation facilities:
 - vehicle maintenance activity shops, ~~material handling facilities~~, equipment cleaning operations, or airport deicing operations*
 - Vehicle maintenance includes the rehabilitation, mechanical repair,
 - painting, fueling, and/or lubrication of vehicles.

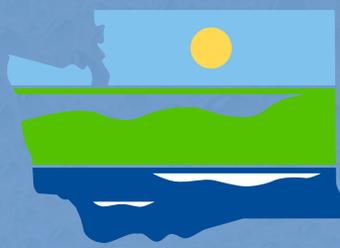




Federal Facilities excluded from ISGP coverage

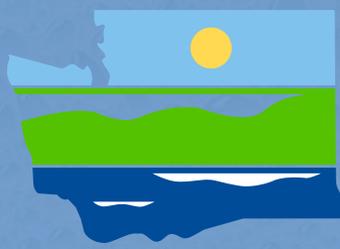
- Clarifications made to harmonize “federal facility” terminology with EPA’s Multi-Sector General Permit.





Permit Coverage Timeline

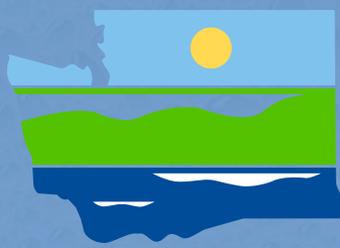
- Automatic approval of new permit applications (NOIs) after 31 days
- Modifications of coverage are not automatically approved.



Sampling Requirements – Timing and Frequency

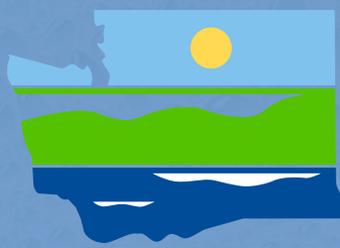
- Sample within first 12 hrs of a discharge, if possible.
- Permittees need to document when sampling occurred.
- New language** added to allow permittee to document if it's “unknown” if sample was >12 hrs or <12 hrs of discharge.





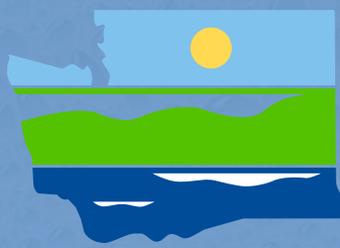
Suspension of Sampling– Based on “Consistent Attainment”

- ◆ Increased from 4 to 8 consecutive quarters
- ◆ Permittees who have suspended sampling already must resume sampling July 1, 2012 until a total of 8 samples meet benchmark
- ◆ Permittees get retroactive credit for quarters with consistent attainment prior to July 2012



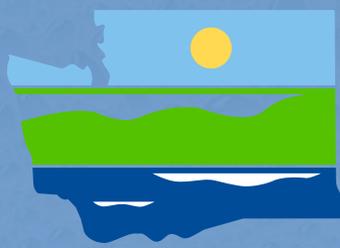
Suspension of Sampling– Based on “Consistent Attainment”

- **Example:** If a permittee suspended sampling Zinc on January 1, 2012 based on meeting benchmark during **4 consecutive quarters in 2011**, the permittee must resume sampling Zinc on July 1, 2012 until zinc benchmark is met during **four consecutive quarters** (for a total of 8)



Sampling and Effluent Limits Applicable to Discharges to Fecal Coliform 303(d)-Listed Waters

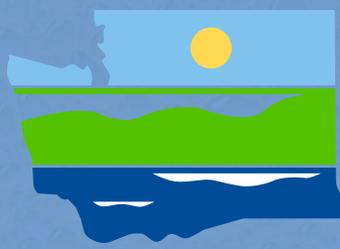
- Removed *numeric* effluent limits
- Added *narrative* effluent limits
 - Must still sample fecal coliform quarterly, and report results
 - Must implement mandatory BMPs to control potential sources of bacteria



- 1) Use all known, available and reasonable methods to prevent rodents, birds, and other animals from feeding/nesting/roosting at the facility.
 - Don't violate any applicable federal, state, or local statutes, ordinances, or regulations, e.g., Migratory Bird Treaty Act

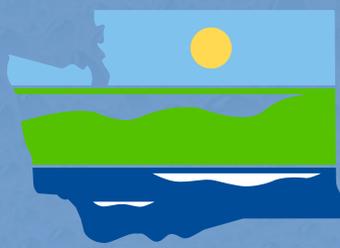


Example: Bird Control Wires



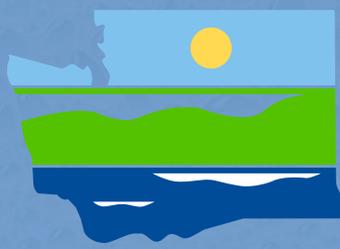
2) perform at least one annual dry weather inspection of the stormwater system to identify and eliminate sanitary sewer cross-connections;





- 3) Install structural source control BMPs to address on-site activities and sources that could cause bacterial contamination (e.g., dumpsters, compost piles, food waste, animal products, etc.);

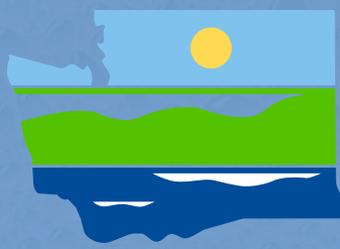




4) Implement operational source control BMPs to prevent bacterial contamination from any known sources of fecal coliform bacteria (e.g., animal waste, etc.);

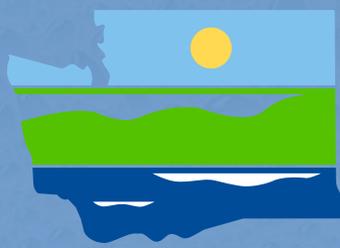


Example: Pressure Wash Dumpster Pad



5) Additional bacteria-related sampling and/or BMPs, if ordered by Ecology on a case-by-case basis.





S8. Corrective Actions

Adaptive Management Drives Incremental Improvements in Pollution Prevention

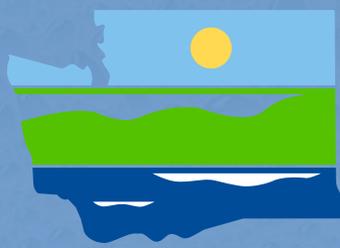
- Level 1 – Operational Source Control BMPs
 - Each time benchmark is exceeded
- Level 2 – Structural Source Control BMPs
 - If benchmark exceeded 2X/year
- Level 3 – Treatment BMPs
 - If benchmark exceeded 3X/year



Level One Corrective Actions – Operational Source Control BMPs

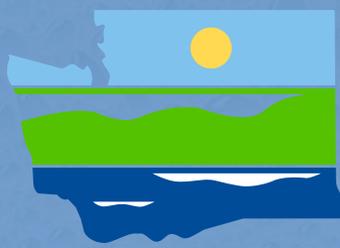
- Within 14 days of benchmark exceedance
 - Inspect facility to investigate causes
 - Revise SWPPP to include additional Operational Source Control BMPs





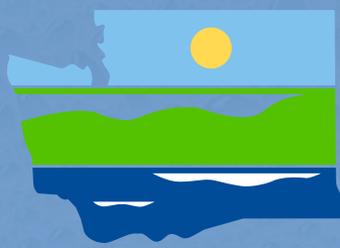
Level Two Corrective Actions – If BM exceeded 2X/year

- New: Can skip Level 2 (structural source control) and do Level 3 (treatment) instead
- New Level 2 Deadline: August 31st the following calendar year
 - Not effective until next year.
 - For Level 2s triggered in 2011, deadline is still September 30, 2012
- New Extension/Waiver request deadline: May 15th



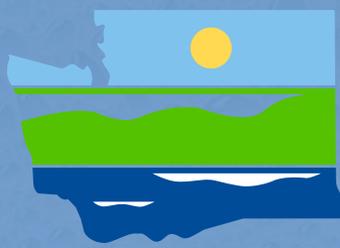
Level Two Corrective Actions – If BM exceeded 2X/year

- ◆ Clarification: During the year after a Permittee triggers a Level 2 corrective action, benchmark exceedences (for the same parameter) do not count towards additional Level 2 or 3 Corrective Actions.
- ◆ “Time out” period allows permittees time to complete corrective actions without triggering a second Level 2 or 3



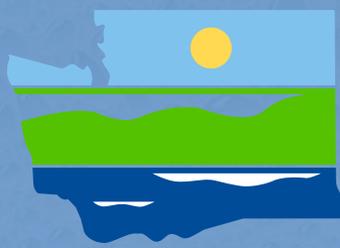
Level Two Corrective Actions – If BM exceeded 2X/year

- **Example:** Zinc benchmark exceeded 2x in 2011; Level 2 corrective action is due September 30, 2012
- Even if zinc benchmark is exceeded 2+ times in 2012, a second Level 2 or 3 is not required, because they occurred during the “time out” period
- However, if the zinc benchmark is exceeded 2+ times in 2013 (calendar year after Level 2 installation deadline), additional Level 2 or 3 corrective actions are required in 2014.



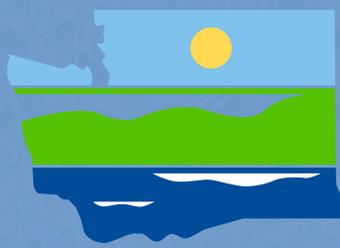
Level Three Corrective Actions – Treatment BMPs

- Clarified that if a Level 3 is triggered, the permittee isn't also required to do a Level 2; *Levels 2 & 3 are mutually exclusive*
- Level 3 SWPPP Update
 - Must include additional operational and structural source control BMPs ***if necessary for proper performance and maintenance of Treatment BMPs***
- Clarified that Ecology may waive requirement for P.E. to design/stamp the SWPPP *if the treatment BMP doesn't require site-specific design or sizing.*



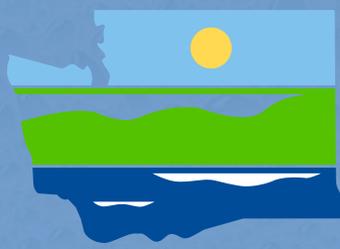
Level Three Corrective Actions – Treatment BMPs

- Clarified that if Treatment BMPs require site-specific design or sizing, the Permittee must submit an engineering report to Ecology for review (Chapter 173-240 WAC).
- Engineering reports are due May 15th prior to the Level 3 deadline, unless alternative date is specified in an Order.
- Plans and Specifications and Operations and Maintenance (O&M) Manual due at least 30 days before construction.
 - Upon request of Permittee, Ecology may allow *final conceptual drawings* to be substituted for plans and specifications.



Level Three Corrective Actions – Treatment BMPs

- Annual Reports – due May 15th
- Summarize the Level 3 Corrective Actions (planned or taken) in the Annual Report
- **New:** Include information on how monitoring, assessment or evaluation information was (or will be) used to determine whether existing treatment BMPs will be modified/enhanced, or if new/additional treatment BMPs will be installed.

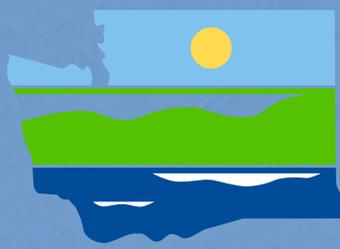


Permit Modification Appealed

- BNSF
- Boeing
- Puget Soundkeeper Alliance

Appeals have been consolidated

- Hearing scheduled for April 29 – May 9, 2013



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Questions?

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