

WHAT'S NEW AT ECOLOGY

September 2016 overview of actions with potential pretreatment implications

Dave Knight, P.E.
dakn461@ecy.wa.gov

MAJOR NEWS FROM ECOLOGY

- + Updated Human Health Criteria Aug 2016
- + New 303(d) List Approved - July 2016
- + No Discharge Zones - Proposal Sent to EPA covers Puget Sound July 2016
- + Electronic DMR's - Urgency w/ERR being passed in September 2015.
- + New Pubs: Model QA Manual for a small POTW Laboratory Pub: July 2016
- + <https://fortress.wa.gov/ecy/publications/documents/1603025.pdf>

NEW HUMAN HEALTH CRITERIA

- ✘ Ecology adopted new WQ criteria Aug 1, 2016
- ✘ Criteria are all for EPA "Priority Pollutants".
- ✘ [http://www.ecy.wa.gov/programs/wq/ruledev/wac173201A/1203ov.html](http://www.ecy.wa.gov/programs/wq/ruleddev/wac173201A/1203ov.html)
- ✘ [http://www.ecy.wa.gov/programs/wq/ruledev/wac173201A/1203res.html](http://www.ecy.wa.gov/programs/wq/ruleddev/wac173201A/1203res.html)
- ✘ Arsenic limits were increased to 10 ug/L
- ✘ www.ecy.wa.gov/programs/wq/ruleddev/wac173201A/PosterArsenicFINAL.pdf

WHAT CHANGED - NEW OR DELETED PARAMETERS

- ✘ Rule has 98 total criteria (previously 101 criteria)
- ✘ 6 deleted
 - + BIS(2 CHLOROISOPROPYL)ETHER 42
 - + N-Nitrosodiethylamine
 - + Chlorophenoxy Herbicide (2,4-D)
 - + Chloroisopropyl Ether (BIS-2)
 - + Nitrosodibutylamine
 - + Manganese
- ✘ 3 new
 - + 3-Methyl-4-Chlorophenol 22
 - + beta-Endosulfan 96
 - + ZINC 128

HOW DID THE CRITERIA CHANGE

- ✘ More stringent criteria (water + organisms) = 65 / 98 Notably:
 - + Bis(2-ethylhexyl) Phthalate 1.8 -> 0.23
 - + Trichloroethylene (TCE) 2.7 -> 0.38
 - + Vinyl Chloride 2.0 -> 0.02
- ✘ Less stringent 31 / 98
 - + Lindane 0.019 -> 15.0
- ✘ Same: PCB's and Mercury

NEW 303D LIST APPROVED BY EPA

- ✘ Current WA 303(d) list of impaired waters. Approved by EPA this summer (July 22, 2016):
- ✘ <http://www.ecy.wa.gov/programs/wq/303d/currentassessmt.html>
- ✘ Went to a "Stream sector" based on hydrologic database approach rather than township and range. Similar to other states.

PUGET SOUND - NO DISCHARGE ZONE

- ✘ Ecology on 7/16/2016 has now submitted the proposed no discharge zone to EPA for approval.
- ✘ The zone incorporates all of Puget Sound
- ✘ Nationally 80 NDZ's, 42 since 2000, but none in EPA Region X
- ✘ Next will be EPA's response or approval.
- ✘ <http://www.ecy.wa.gov/programs/wq/nonpoint/CleanBoating/nodischargezone.html>

PHASING OF NEW CRITERIA

- ✘ EPA has a 90 day review period
- ✘ Ecology will develop tools for staff
- ✘ Ecology will be moving to collecting all priority pollutant data by analyte (rather than a scanned report)
- ✘ Data entry will include detection/QL
- ✘ Effort linked to electronic reporting rule
- ✘ Ecology will review data when renewing permits.
- ✘ Review of prior data showed BEHP sometimes would be problematic.

EPA'S ELECTRONIC REPORTING RULE

- ✘ EPA signed 9/24/2015 rule requiring several reports to be submitted electronically. These include:
- ✘ Annual Reports from POTWs to AA
- ✘ SIU reports sent to EPA or States
- ✘ Inspections of POTWs and IUs

PHASING OF ERR

- ✘ Phase 1 - One year after effective date of final rule
 - + Inspections, violation determinations, enforcement
 - + DMRs of NPDES permittees.
 - + Biosolids Annual Reports to EPA (42 states).
 - + States plans for meeting Phase 2 to EPA.
- ✘ Phase 2—Five years after effective date of final rule
 - + General permit reports
 - + Biosolids Annual Program Reports for 8 states
 - + (CAFO) Annual Program Reports
 - + MS4 Program Reports
 - + Pretreatment Program Reports 40 CFR 403.12(i)
 - + SIU Reports outside Approved Programs 40 CFR 403.12(e)
 - + Sewer Overflow/Bypass Event Reports
 - + CWA Section 316(b) Annual Reports

ELECTRONIC DMRS - UPDATE

- ✘ Ecology now promoting submitting Electronic Discharge Monitoring Reports by internet
- ✘ No fees for using the "WQWebDMR" system - setup account using SAW
- ✘ <https://fortress.wa.gov/ecy/webdmrview/HelpPages/ESAHelp.aspx>
- ✘ Use mandatory for permits as they are renewed
- ✘ <https://fortress.wa.gov/ecy/publications/SummaryPages/1110013.html>