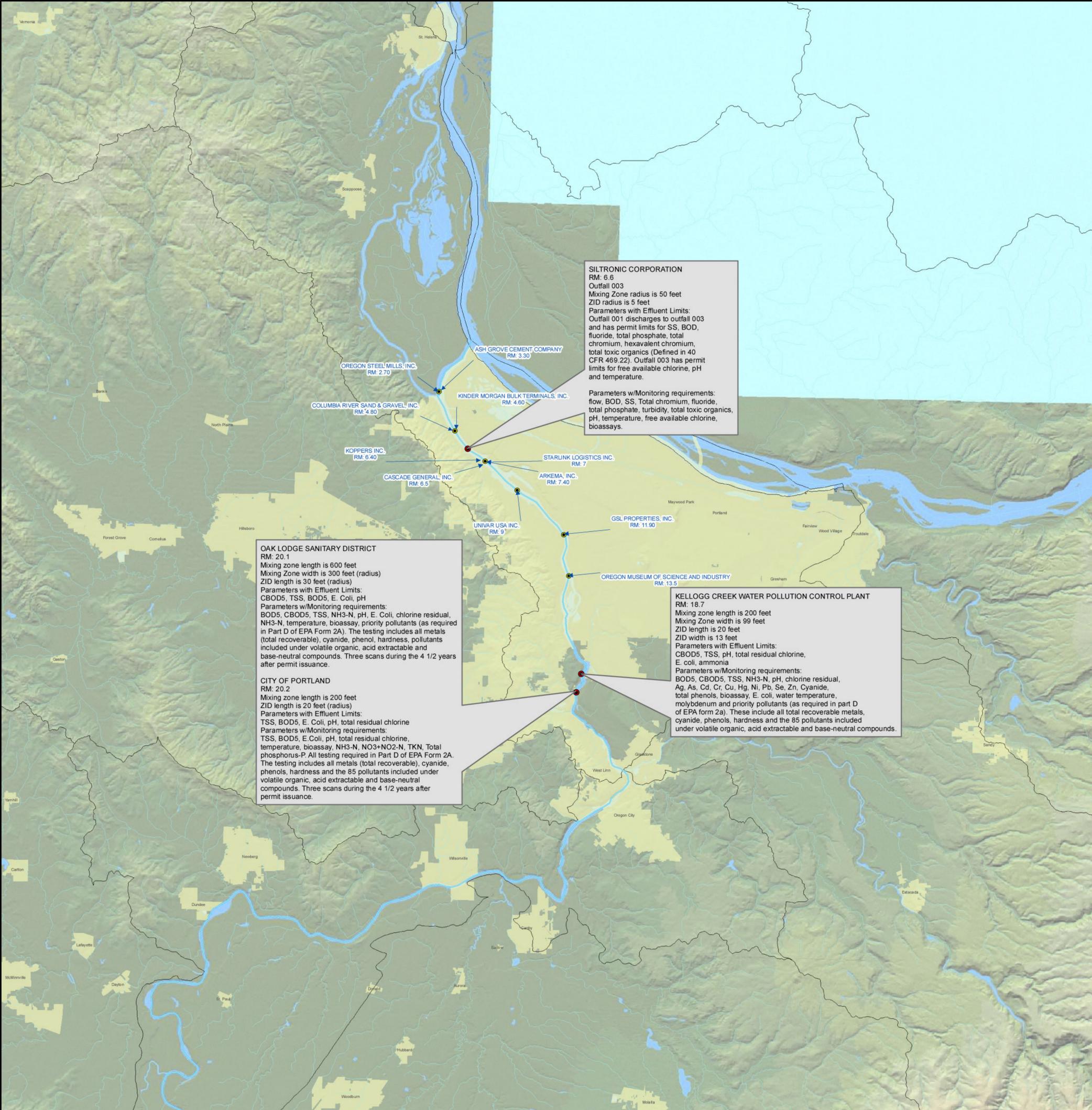


Major and minor NPDES facilities with permitted mixing zones to the Willamette River

Lower Willamette



SILTRONIC CORPORATION
 RM: 6.6
 Outfall 003
 Mixing Zone radius is 50 feet
 ZID radius is 5 feet
 Parameters with Effluent Limits:
 Outfall 001 discharges to outfall 003 and has permit limits for SS, BOD, fluoride, total phosphate, total chromium, hexavalent chromium, total toxic organics (Defined in 40 CFR 469.22). Outfall 003 has permit limits for free available chlorine, pH and temperature.
 Parameters w/Monitoring requirements:
 flow, BOD, SS, Total chromium, fluoride, total phosphate, turbidity, total toxic organics, pH, temperature, free available chlorine, bioassays.

OAK LODGE SANITARY DISTRICT
 RM: 20.1
 Mixing zone length is 600 feet
 Mixing Zone width is 300 feet (radius)
 ZID length is 30 feet (radius)
 Parameters with Effluent Limits:
 CBOD5, TSS, BOD5, E. Coli, pH
 Parameters w/Monitoring requirements:
 BOD5, CBOD5, TSS, NH3-N, pH, E. Coli, chlorine residual, NH3-N, temperature, bioassay, priority pollutants (as required in Part D of EPA Form 2A). The testing includes all metals (total recoverable), cyanide, phenol, hardness, pollutants included under volatile organic, acid extractable and base-neutral compounds. Three scans during the 4 1/2 years after permit issuance.
CITY OF PORTLAND
 RM: 20.2
 Mixing zone length is 200 feet
 ZID length is 20 feet (radius)
 Parameters with Effluent Limits:
 TSS, BOD5, E. Coli, pH, total residual chlorine
 Parameters w/Monitoring requirements:
 TSS, BOD5, E. Coli, pH, total residual chlorine, temperature, bioassay, NH3-N, NO3+NO2-N, TKN, Total phosphorus-P. All testing required in Part D of EPA Form 2A. The testing includes all metals (total recoverable), cyanide, phenols, hardness and the 85 pollutants included under volatile organic, acid extractable and base-neutral compounds. Three scans during the 4 1/2 years after permit issuance.

KELLOGG CREEK WATER POLLUTION CONTROL PLANT
 RM: 18.7
 Mixing zone length is 200 feet
 Mixing Zone width is 99 feet
 ZID length is 20 feet
 ZID width is 13 feet
 Parameters with Effluent Limits:
 CBOD5, TSS, pH, total residual chlorine, E. coli, ammonia
 Parameters w/Monitoring requirements:
 BOD5, CBOD5, TSS, NH3-N, pH, chlorine residual, Ag, As, Cd, Cr, Cu, Hg, Ni, Pb, Se, Zn, Cyanide, total phenols, bioassay, E. coli, water temperature, molybdenum and priority pollutants (as required in part D of EPA form 2a). These include all total recoverable metals, cyanide, phenols, hardness and the 85 pollutants included under volatile organic, acid extractable and base-neutral compounds.

Legend

- Denotes approximate river mile for outfall
- Minor Facilities
- Major Facilities
- Willamette River
- River and Streams
- City Limits
- Lower Willamette Basin

Information on the size of the mixing zone was collected from the permit, mixing zone evaluation reports and facility plans.

