Wastewater effluent quality is monitored by MWRA to assess compliance with water quality standards and the pollutant limits set forth in the NPDES permit issued by EPA and DEP to MWRA. The graphs below display the levels of pollutants measured compared with the NPDES permit limits.

The dry day flow is calculated by averaging influent flow over the previous 365 days during dry weather. The February dry day flow therefore is the average of all dry day flows for the period March 00 to February 01.

Fecal Coliform is an indicator of the presence of pathogens. The levels of these bacteria after disinfection show how effectively the plant is inactivating many forms of disease-causing microorganisms. There are four conditions in the permit including daily geomean, a weekly geomean, 10% of all samples, and three consecutive samples not to exceed 14000 col/100mL. In February, all of these conditions were met.

pH is a measure of the alkalinity or acidity of the effluent. Sudden change in pH does not have an adverse effect on marine environments. Because of the pure oxygen used in the activated sludge reactor, the effluent pH tend to be at the lower pH range. In February, all pH measurements were within the permit limit range.