

EXHIBIT 5
 DATE 2.9.05
 HB 491

C. Self-Monitoring Requirements

1. Wastewater Discharge Monitoring - Outfall 001

- a. As a minimum, upon the effective date of this permit, the following constituents shall be monitored at the frequency and with the type of measurement indicated; samples or measurements shall be representative of the volume and nature of the monitored discharge. If no discharge occurs during the entire monitoring period, it shall be stated on the Discharge Monitoring Report Form (EPA No. 3320-1) that no discharge or overflow occurred.

Table 1.

Parameter	Frequency (1)	Sample Type (2)	Minimum Level
Effluent Flow Rate, gpm	Continuous	Instantaneous (3)	(4)
Influent Flow Rate, gpd	Continuous	Instantaneous (3)	(4)
Flow, By-Passing Treatment Unit, gpd	Continuous	Instantaneous (3)	(4)
Treatment Unit Bypass, Max., Percent	Daily	Calculated	NA
pH, SU	Daily	Instantaneous	0.1
Specific Conductivity, μ S/cm	Daily	Instantaneous	10
Sodium, mg/L	Weekly	Composite	1.
Calcium, mg/L	Weekly	Composite	1.
Magnesium, mg/L	Weekly	Composite	1.
Total Dissolved Solids, mg/L	Weekly	Composite	10
Sodium Adsorption Ratio, (SAR)	Weekly	Calculate	0.1
Total Suspended Solids, mg/L	Weekly	Grab	10
Cadmium, Total Recoverable, mg/L	Monthly	Grab	0.0001
Selenium, Total Recoverable, mg/L	Monthly	Grab	0.001
Arsenic, Total Recoverable, mg/L	Monthly	Grab	0.001
Mercury, Total Recoverable, mg/L	Monthly	Grab	0.0001
Radium, Total, pCi/L	Monthly	Grab	0.1

Footnotes:
 (1) Refers to the frequency of observation or measurement.
 (2) See the definitions in Part I.A. of the permit.
 (3) Requires the use of recording device or totalizing device.
 (4) Part II.B requires that flow measurements must be within 10% of the measured flow.

Table 2.

Parameter ⁽³⁾	Frequency ⁽¹⁾	Sample Type ⁽²⁾	Minimum Level
Temperature, °C	Weekly	Instantaneous	1
Nitrite + Nitrate, as N, mg/L	Monthly	Grab	0.05
Kjeldahl Nitrogen, Total, as N, mg/L	Monthly	Grab	0.1
Ammonia, as N, mg/L	Monthly	Grab	0.05
Total Nitrogen, mg/L ⁽⁵⁾	Monthly	Calculate	0.1
Phosphorous, Total, mg/L	Monthly	Grab	0.01
Biochemical Oxygen Demand, mg/L	Semi Annual	Composite	5
Chemical Oxygen Demand, mg/L	Semi Annual	Composite	10
Total Organic Carbon, mg/L	Semi Annual	Composite	0.5
Radioactivity, Alpha-Total, pCi/L	Semi Annual	Composite	1
Radioactivity, Beta-Total, pCi/L	Semi Annual	Composite	1
Fluoride, mg/L	Semi Annual	Composite	1
Aluminum, Dissolved, mg/L	Semi Annual	Composite	0.01
Barium, Total Recoverable, mg/L	Semi Annual	Composite	0.01
Boron, Total Recoverable, mg/L	Semi Annual	Composite	0.01
Copper, Total Recoverable, mg/L	Semi Annual	Composite	0.001
Iron, Dissolved, mg/L	Semi Annual	Composite	0.01
Iron, Total Recoverable, mg/L	Semi Annual	Composite	0.01
Lead, Total Recoverable, mg/L	Semi Annual	Composite	0.001
Strontium, Total Recoverable, mg/L	Semi Annual	Composite	0.1
Manganese, Total Recoverable, mg/L	Semi Annual	Composite	0.01
Zinc, Total Recoverable, mg/L	Semi Annual	Composite	0.01
Phenols, Total, mg/L	Semi Annual	Grab	0.1
Cyanide, Total, mg/L	Semi Annual	Grab	0.005
Oil & Grease, mg/L	Semi Annual	Grab	1
Toxicity, chronic ⁽⁴⁾	Quarterly ⁽⁶⁾	Composite	NA

Footnotes:
 (1) Refers to the frequency of observation or measurement.
 (2) See the definitions in Part I.A. of the permit.
 (3) The parameter must be monitored in the first two years after the effective date of the permit and in the fourth year of the permit.
 (4) Chronic test shall utilize Flathead Minnow (*Pimephales promelas*) EPA Method 1000.0 and *Ceriodaphnia dubia*, EPA Method 1002.0.
 (5) Total nitrogen is sum of Kjeldahl nitrogen and nitrite plus nitrate nitrogen.
 (6) If no chronic or acute toxicity is observed for four consecutive calendar quarters, testing may be reduced to alternating one species quarterly testing. Test results shall be reported along with DMR for the end of the calendar period for which the testing was conducted. The format for the report shall be consistent with the August 1997 Region VIII Guidance for Chronic Whole Effluent Reporting and shall include all physical testing specified.
 NA -- Not Applicable