

B.3. LAND TREATMENT SYSTEM (SPRAYFIELDS)

CONTINUED

d. GROUNDWATER MONITORING REQUIREMENTS

- i. Groundwater leaving the land treatment system boundaries (as defined in this permit as the spray field) must not exceed the primary maximum contaminant levels for drinking water. Samples of the groundwater shall be monitored from each groundwater monitoring well(s) by the permittee for the parameters and at the frequency listed below:

Parameter (units)	Measurement Frequency	Sample Type
Depth to Groundwater (feet)	One Day/Month	Grab
Nitrate, as N (mg/L) ⁽¹⁾	One Day/Quarter	Grab
pH (standard unit)	One Day/Quarter	Grab
Specific Conductivity (µmho/cm)	One Day/Quarter	Grab
<i>Escherichia Coli</i> (#/100mL) ⁽²⁾	One Day/Six Months	Grab

⁽¹⁾ The maximum contaminant level for nitrate nitrogen is 10.0 mg/L, as amended in the Safe Drinking Water Rules and Regulations.

⁽²⁾ The maximum contaminant level for *E. coli* is zero positive samples, as amended in the Safe Drinking Water Rules and Regulations.

- ii. Monitoring wells shall be identified in all reports submitted to EPD as up-gradient, mid-field, and down-gradient, as referenced below. The down-gradient groundwater monitoring wells shall be considered the compliance wells. The monitoring wells are identified as follows:

Well	Location	Well	Location
B-1	Up-gradient	P-2	Down-gradient
O-1	Mid-gradient	P-3	Down-gradient
P-1	Down-gradient	P-4	Down-gradient

- iii. As per Part I.B.2 and Part II.A.9-10 of this permit, upon written notification to EPD, additional up-gradient, mid-field and down-gradient monitoring wells may be added in accordance with EPD's Manual for Groundwater Monitoring, September 1991, as amended, the Environmental Protection Agency Guidance Design and Installation of Monitoring Wells, or other approved guidance without EPD approval and without modification to this permit. The additional wells are subject to the sampling parameters and sampling frequency(s) in Part I.B.3 of this permit, Groundwater Monitoring Requirements. The sampling analysis of additional wells shall be reported in accordance with Part I.A.4 of this permit.