

### B.3. GROUNDWATER MONITORING REQUIREMENTS

a. Groundwater shall be monitored for the parameters and at the frequency listed below:

Parameter (units)	Discharge Limitations <sup>(1)</sup>	Measurement Frequency	Sample Type
Depth to Groundwater (feet)	Report	One Day/Month	Grab
Nitrate, as N (mg/L)	10	One Day/Month	Grab
pH (standard unit)	Report	One Day/Month	Grab
Specific Conductivity ( $\mu\text{mho}/\text{cm}$ )	Report	One Day/Month	Grab
<i>Escherichia coli</i> (#/100mL)	Zero Positive Samples	One Day/Quarter	Grab

<sup>(1)</sup> The permittee must sample all monitoring wells and report testing results for each well on the Discharge Monitoring Reports (DMRs). 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. The numerical limitations only apply to down-gradient wells.

b. Monitoring wells shall be identified in all reports submitted to EPD as up-gradient, midfield, 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
U001	Up-gradient	D003	Down-gradient
M001	Midfield	D004	Down-gradient
D001	Down-gradient	D005	Down-gradient
D002	Down-gradient	D006	Down-gradient

c. 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.3 of this permit.