

5. PERMIT CONDITIONS AND LIMITATIONS FOR THE LAND TREATMENT SYSTEM

5.1 Pretreatment Limitations and Monitoring:

5.1.1 BOD, TSS, and pH Limitations:

BOD: 50 mg/L; TSS: 90 mg/L; pH: 6.0-9.0

The proposed BOD, TSS, and pH limits in the draft permit are in accordance with EPD guidelines for land application of domestic wastewater on sites with limited use (controlled public access) and the DDR concurred with on September 10, 2001.

5.2 Storage Pond Monitoring:

5.2.1 Nitrogen Loading:

Quarterly monitoring for nitrate and total Kjeldahl nitrogen for the storage pond effluent has been included in the draft permit to determine nutrient speciation.

5.3 Land Treatment System:

5.3.1 Application Rates and Wetted Area:

Treated effluent is disposed of via spray irrigation:

Crop:

Bermuda Grass and Ryegrass

Wetted area:

54.9 acres (divided into 5 fields)

Application rates:

2.0 in/week

The wetted area and the application rate in the draft permit are in accordance with the DDR approved on September 10, 2001.