

Appendix F
Dewatering Pad Modifications

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As an effort to enhance the removal of total suspended solids (TSS) in the effluent of the thickeners, two 8,000 gallon tanks were added downstream of the thickeners. These two open top tanks, placed in series, provided additional retention time. This additional time aided in TSS removal and provided more contact time for the sodium hypochlorite, which was added to the thickener effluent. This was done to cut down the biological growth entering the pad and destroy any residual polymer. The discharge from the first tank flowed into the second tank, which discharged onto filter fabric before allowing the water to enter the pad. The tanks were connected with a series of 8 inch pipes and a second set of pipes discharged the water to the fabric. The existing blue tank was placed in the granular activated carbon (GAC) and Krofta decant water discharge basin (aka "hot tub). These units discharged their backwash water into the tank before overflowing onto the filter fabric. This area was placed in the northwest corner of the pad.

Minor modifications were made to the thickeners for the 2007 RA season. A weir wall was placed inside the thickeners with the intent to help settle the flocked material. Two additional spray bars were also added to each trammel screen to assist during times of excess vegetation and debris on the screens.

The manufacturer of Tencate geotubes, used the previous years, changed their stacking recommendations. The circumference of the geotextile tubes increased five feet for each successively higher layer. They recommended this to help prevent the geotubes from rolling and decrease the gap between the tubes when they were filled.