

RESPONSE 73

6.0 ASSESSMENT MONITORING PLAN - §330.409 through §330.415

6.1 Assessment Monitoring

Assessment monitoring will be performed on a site-specific basis pursuant to this Assessment Monitoring Plan (AMP) whenever it is determined that there has been a SSI over background for one or more of the constituents listed in Table 5-1. The purpose of this AMP is to provide the procedures and a statistical methodology to evaluate inorganic and/or organic compound detections in groundwater against background and against health-based groundwater protection standards. This AMP is designed to meet the requirements of the §330.409 through §330.411 and federal Subtitle D (40 CFR Part 258) regulations.

In accordance with 30 TAC §330.409(b), within 90 days of determining that a SSI has occurred (i.e., after verification of the SSI and completion of any alternate source demonstrations, if conducted), and not less than annually thereafter, the groundwater monitoring system will be sampled and analyzed for the full set of constituents in Appendix II to 40 CFR Part 258. Groundwater samples collected as part of assessment monitoring will not be filtered in the field or the laboratory prior to laboratory analysis. If a SSI is verified, assessment monitoring will be initiated at the well(s) exhibiting the SSI and at the immediately adjacent wells on each side of the well(s) exhibiting the SSI, unless an alternative subset of wells is designated by the executive director. For any new constituent(s) detected in the point of compliance wells as a result of the complete Appendix II analysis, a minimum of four statistically independent samples from each background well shall be collected and analyzed to establish background levels for the additional constituent(s). After sampling point of compliance wells for Appendix II constituents, the TCEQ may specify an appropriate subset of wells to be sampled and analyzed for the Appendix II constituents during assessment monitoring and may delete any of the Appendix II constituents if WMTX can document that the removed constituents are not reasonably expected to be in or derived from the waste contained in the unit. All other groundwater wells will continue to be monitored in accordance with the existing detection monitoring protocols and statistical program.

In accordance with 30 TAC §330.409(d), WMTX will submit the results from the initial and subsequent sampling events (if applicable) to the executive director of the TCEQ and also place them in the operating record within 60 days of the sampling event. Within 90 days of