



Alabama

Anniston Army Depot

Facility and Location

Anniston Army Depot is located in Anniston, Alabama. It performs depot level maintenance for combat tanks, tracked combat vehicles, small arms weapons, mortars, recoilless rifles, and optical and electronic fire control systems. It also provides ammunition storage, renovation, modification, and disposal. Perchlorate may be associated with earlier disposal and maintenance practices related to explosives and propellant from missiles as well as electroplating and chrome plating activities. Perchlorate is included in long term monitoring of the ammunition storage area.

Media Sampled and Finding

Groundwater — In 2011, 16 of 16 samples detected perchlorate from 0.18 to 24 ppb. In 2010, 13 of 16 samples detected perchlorate from 0.18 to 11 ppb. In 2009, 27 of 27 samples detected perchlorate from 0.06 to 23.5 ppb. In 2008, 10 of 19 samples detected perchlorate from 0.16 to 31.2 ppb. In 2007, nine samples reported no detection.

Surface Water — In 2011, two of two samples detected perchlorate at 0.4 ppb. In 2010, four of four samples detected perchlorate from 0.12 to 49 ppb. In 2009, two samples reported no detection.

Appropriate Actions

Groundwater samples were above EPA and DoD Preliminary Remediation Goal of 15 ppb. To address perchlorate concentrations, compliance monitoring is required under the Resource Conservation and Recovery Act (RCRA) Subpart X open burn/open detonation (OB/OD) permit. Monitoring will continue to track the level and extent of perchlorate.

Elevated concentrations from the September 2010 sampling event were from storm water collected at two installation outfalls. Prior sampling results from these same outfalls were reported either as non-detect or below the maximum contaminant level. Per our permit, Anniston Army Depot will continue to sample the two outfalls on an annual basis. Future results will assist in determining if the September 2010 results were outliers. Given past analytical history and the state permit levels, no action is being taken at this time.

Contact Information