EWMA also collected three samples along the southwest boundary of this area on September 22, 1998, in order to delineate the southern horizontal extent of the elevated metal concentrations. Three horizontal delineation samples (BN-SW-1, BG-SW-2 and BG-SW-3) were obtained at a depth of 0-1' bsg. All of the samples were analyzed for PPMs. BG-SW-2 exhibited a mercury concentration of 38.3 ppm. No PPMs were detected at concentrations above the RDSCC in the other two samples.

After evaluating this data, the Department instructed EWMA to advance three additional test pits in this area to further evaluate this area of concern (BG-5, BG-15 and BG-16). The test pits were advanced to a depth of 2' bsg on June 5, 2000. Glass debris was observed in one of the test pits, BG-5, to a depth of 1.5' bsg. EWMA did not note that any elevated PID readings were recorded in any of the test pits. Samples were obtained from native soils, at a depth of 1.5-2' bsg in each test pit and analyzed for pH and PP+40, including TAL metals. No parameters were detected at concentrations in excess of the RDCSCC.

EWMA, based upon the sampling performed, remediated the soil impacted with metals via excavation and off-site disposal. Excavation and disposal was completed in November 2000 and January and September of 2001. The excavated soil was segregated into two distinct piles prior to disposal classification. The soil excavated in November of 2000 (356.97 tons) was transported to Linden Landfill, in Linden, New Jersey, for use as landfill cover. The soil excavated in 2001 (1,122 tons) was transported to American Landfill in Waynesburg, Ohio due to the visible presence of thermometer fragments. The excavation was backfilled to grade with ¾" quarry process from Tilcon New Jersey, located in Millington, New Jersey.

Due to concerns regarding the location of the alleged mercury disposal area, the NJDEP requested the collection of three additional samples from this area to confirm horizontal delineation boundaries.

EWMA oversaw the installation of three borings and the collection of three samples outlined in Mr. McGrath's letter of December 14, 2004:

1. One sample (AOC20-B1) was collected to the south of BGS-2, from a depth of 1-1.5' bsg;
2. One sample (AOC20-B2) was obtained to the west of BGS-6, from a depth of 3-3.5' bsg; and
3. One sample (ACO20-B3) was obtained to the west of BGS-6A, from a