

EXECUTIVE SUMMARY

The Site Inspection (SI) for Operable Unit (OU) 9 North Area was conducted to evaluate whether environmental contamination is present at the facilities of potential concern identified in the *North Area Preliminary Assessment Report*, (Montgomery Watson, 1995a) and to categorize each facility according to its potential threat to human health and the environment. The purpose of this report is to summarize the results of the site reconnaissance and field sampling effort, and to present final SI categories and recommendations for each facility of potential concern.

The OU 9 North Area consists of approximately 4,400 acres and occupies about two-thirds of Hill Air Force Base. The OU 9 North Area includes the former Ogden Ordnance Depot, the former Ogden Arsenal, the former Air Force Plant 77, portions of the original Hill Field, the Missile Assembly, Maintenance and Storage area, the current administration complex in the west-central portion of the Base, the main runway and flightline area north of the 388th Fighter Wing, and the area between the eastern Base boundary and the main runway.

During the site reconnaissance, members of the project team visited each facility, interviewed on-site personnel, and reviewed available investigative reports. Facilities that were judged to have little potential for contaminant release were subsequently categorized as requiring no further investigation or deferred investigation. The SI field effort included cone penetrometer testing and direct push soil borings for subsurface soil characterization, surface soil to assess immediate risk to workers, and direct-push ground-water sampling and piezometer installation for aquifer characterization.

The results of the SI indicate that there are three primary categories of facilities/areas that are recommended for further action. The following is a brief summary of the areas that will be investigated further at the OU 9 North Area.

Category 2A-Ground Water. The following areas and ground-water contaminants of concern are recommended for further investigation and analysis to better characterize contaminant distribution and ground-water flow characteristics:

- Zone 7, Golf Course Maintenance Area (VOCs)
- Zone 16, Munitions Storage Area (VOCs)
- Zones 11 and 12, Western Base Boundary (VOCs).

Ground water beneath these areas is recommended for further investigation because it contains chlorinated solvents above maximum contaminant levels. Because the shallow ground water beneath Hill AFB is not used for human consumptive purposes and there is no immediate risk to the employees and residents of the Base, no immediate action is necessary. Further investigation of these sites will be performed as part of the CERCLA remedial investigation process.

Category 2A-Soil. The following three facilities, and contaminants of concern, are recommended for further investigation:

- Zone 9, Used Transformer Storage Yard (PCBs)
- Zone 24, Building 2402 (PCBs)
- Zone 24, Building 2403 (PCBs).

Soil beneath and/or adjacent to each of these facilities contains PCBs at concentrations above industrial risk-based screening levels (RBSLs). The most appropriate regulatory environment for the above sites is the Toxic Substances Control Act (TSCA). During the period between the Final SI report and the submittal of this revised document, these sites have undergone a removal action under the TSCA guidance. Because PCB contamination above the residential cleanup level of 1 part per million have been removed, each of these sites are now considered to be Category 3 and require no further action. Further information on the details of the site delineation and contamination removal are contained in the *Draft PCB Removal Report for Buildings 2402 & 2403, and the Used Transformer Storage Yard* (Montgomery Watson, 1999). However, when TSCA clean up criteria have been met, a memorandum will be issued to reclassify these sites as Category 3, no further action.

Category 2B. This category includes those facilities where contaminant concentrations were below industrial RBSLs, but were above residential RBSLs, and vadose zone modeling indicates that it is unlikely that contaminants would reach ground water. These facilities are not recommended for further investigation as long as the site use remains industrial. If the site use changes and the facility area is developed for residential purposes, further investigation may be required. Each of the following facilities and their respective contaminants of concern, are recommended for Category 2B:

- Zone 15, Building 1503 (PCBs)
- Zone 15, OB/OD Area (explosives)
- Zone 15, Building 11420 (PCBs)
- Zone 22, Building 2214 (lead)
- Zone 24, Building 2401 (PCBs)
- Zone 24, Building 2405 (PCBs)
- Zone 24, Building 2406 (PCBs)
- Zone 24, Building 2407 (PCBs)
- Zone 24, Building 2408 (PCBs).

These facilities are located in industrial-type settings. The contaminant levels detected to-date do not pose an immediate threat to site workers who may visit for routine maintenance. However, SGB will be contacted and informed that exposure to contaminated soil in these areas may cause a risk, and that any work at each facility be coordinated with the Hill AFB OU 9 Project Manager before initiation of the work.

Category 2C. This category contains facilities located in industrial-type settings that can only be sampled during intrusive activities. Some of the sites may still be active or surface conditions may make sampling difficult and/or cost-prohibitive. Investigation at these sites will be deferred until intrusive activities are planned. If the site use changes

and the facility area is developed for residential purposes, further investigation will be required. Each of the following facilities is recommended for Category 2C.

- Zone 7: Buildings 5, 732, 741, and 752
- Zone 9: Buildings 776, 787, 916, 918, 935, 940, 960, 965, 970, 975, 980, 983, 1011, 1012, 1021, and 1023
- Zone 11: Buildings 1112, 1116, 1117, 1132, 1133, 1135, 1140, 1141, and 1142
- Zone 12: Buildings 1243, 1248, 1253, 1258, 1264, 1267, 1289, and Off-base in Sunset City
- Zone 13: Buildings 1312, 1377, 1521, 1522, 1534, 1538, 1539, 1542, 1543, 1545, and 1590
- Zone 14: Building 1566
- Zone 15: Buildings 1422, 1424, 1504, 1524, 1528, 1548, and the Storm Sewer Discharge Area
- Zone 16: Buildings 167, 1600, 1606, 1607, 1643, 1644, 1649, 1653, 1654, and 1655
- Zone 17: Building 1701
- Zone 18: Building 1833
- Zone 19: Buildings 1907, 1913, 1917, 1919, 1931, 1934, 1936, 1937, 1939, 1948, 1950, 1952, and 1969
- Zone 20: Buildings 2001, 2002, 2007, 2008, 2015, and 2016
- Zone 21: Buildings 2112, 2114, 2116, 2122, 2133, 2137, 2143, 2144, 2145, and 2149
- Zone 22: Building 2202
- Zone 23: Buildings 2310, 2314, 2317, 2331, 2332, 2335, 2338, and 2410
- Zone 24: Building 2401

Because contaminant levels at these sites are not known, SGB will be contacted and informed that exposure to contaminated soils in these areas may cause a risk, and that any work at these facilities will be coordinated with the Hill AFB OU9 Project Manager.