

have been evaluated as not posing a risk to human health and the environment (BRAC environmental condition of property 1, 2, 3 and 4).

The boundaries of the base are within the following coordinates: 30.3012 North Latitude, 81.9306 West Longitude; 30.3012 North Latitude, 81.9244 West Longitude; 30.3063 North Latitude, 81.8781 West Longitude; 30.2468 North Latitude, 81.8445 West Longitude; 30.1784 North Latitude, 81.8676 West Longitude; 30.1783 North Latitude, 81.8847 West Longitude. Within these coordinates are several areas which are not part of this partial deletion. The areas not included are Building 635, Building 605, Potential Source of Contamination (PSC) 51 (Current Golf Course), Operable Unit (OU) 1 (Sites 1—Old Landfill and Site 2—recent landfill), OU 2 (Site 5—Oil Disposal Area Northwest and Site 17—Oil and Sludge Disposal Pit Southwest), OU 3 (Site 7—Old Firefighter Training Area and Site 8—Bore site Range/Hazardous Waste Storage/Firefighting Area), OU 5 (Site 15—Blue 10 Ordnance Disposal Area, Site 49—Recent Skeet Range), OU 6 (Site 11—Golf Course Pesticide Disposal Area), OU 7, (Site 16—AIMD Seepage Pit/NDI Holding Tank), OU 8 (Site 3—Oil and Sludge Disposal Pit), OU 9 (Site 36—Control Tower TCE Plume, Site 37—Hangars 13 and 14 DCE Plume, Site 57—Building 824A/Day Tank 1 Area, and Site 58—Building 312 Area), OU 10 (Site 21—Golf Course Maintenance Area and Site 25—Former Transformer Storage Area), OU 11 (Site 45—Former Steam Generating Plant), and OU 12 (Site 32—Former DRMO Area). Maps identifying all areas are available for review in the partial deletion docket.

Operable Unit 4

Operable Unit 4 (site 10) occupies approximately 6.5 acres and operated as a rubble disposal area in the 1950's and 1960's. The Remedial Investigation was conducted in 1996, and did not identify any contamination which would pose a risk to human health or the environment. At OU 4 the primary source of contamination would be from demolition and rubble debris resulting from infrastructure demolition including runway and taxiway pavement. Historical records and physical debris did not indicate the presence of solvents, petroleum products, or other hazardous materials. In July 1997, a Record of Decision was signed for no further action. In June 1999, an Explanation of Significant Differences was approved which would address surface soil contamination with arsenic levels above the State of

Florida's residential cleanup target levels. In October 1999, 335 tons of arsenic contaminated soil were removed from this site and taken to an approved landfill, confirmation samples were collected and the area was backfilled with clean fill. No further action is required at this site.

Operable Unit 5

Operable Unit 5 (site 14) was known as the Blue 5 Ordnance Disposal Area and consisted of 19 acres located in the Yellow Water Weapons Area. The site was used for ordnance disposal from 1967 through 1977. Disposal operations at this site consisted of detonation of excess ordnance such as fuses, 100-pound bombs, large munitions and explosive materials that normally do not burn. Typical explosives detonated included trinitrotoluene (TNT), trinitrophenylmethylnitramine and cyclotrimethylenetrinitramine. Ordnance detonation generates residual metals, primarily aluminum and lead oxides with minor amounts of unreacted or partially reacted organics. The Remedial Investigation (RI) was completed in October 1997. As part of the RI 102 soil samples were collected. Results showed that TNT is sporadically distributed at low concentrations that pose no explosive or biological hazards over the area of investigation. It was determined that the site did not pose a threat to human health or the environment. In July 1998, a Record of Decision (ROD) was signed for no further action.

Operable Unit 12

Operable Unit 12 consists of four sites, site 32, 42, 44 and the old golf course. Removal actions have been completed at all four sites, however, because contamination remains at site 32 above residential levels it is not part of this partial deletion proposal. Site 42 was known as the former boiler house/steam plant and general storehouse. The steam plant and storehouse were demolished about 40-years ago. Currently, only the foundations remain and the area is heavily vegetated. Surface and subsurface soil samples identified polycyclic aromatic hydrocarbons (PAHs), total recoverable petroleum hydrocarbons and metals (chromium, arsenic, and barium). An Action memorandum was prepared and approved in September 2000. Areas of soil where BaPEqs, TRPH, antimony, arsenic, barium and chromium concentrations were greater than the leachability soil concentration target level or three times that residential soil target cleanup level were excavated in March 2001. A total of 2,420.36 tons of

soil was excavated, transported and disposed off-site. The site was backfilled with certified clean fill, graded and seeded.

Site 44 is referred to as the ditch from the Defense Reutilization and Marketing Organization (DRMO) to the active federally owned wastewater treatment building. The ditch received storm water runoff from the western edge of the east-west runways, the DRMO area and from the UNF 6 wash rack. Sampling identified lead, Polychlorinated biphenyls (PCBs), pesticides, PAHs, and inorganics (aluminum, cadmium, chromium, lead, mercury, and zinc) in excess of ecological screening criteria in the ditch as well as PCB's above residential risk levels in and around the ditch. No groundwater issues were identified. An action memorandum was prepared and approved in June 2000. Soil with PCB concentrations in excess of 1,500 µg/kg were excavated and disposed at a permitted solid waste disposal facility in September 2000. This resulted in a UCL concentration of PCBs before the Florida residential soil target level of 500 µg/kg. A total of 292 tons of soil was excavated. The site was then backfilled with certified clean fill, graded and seeded.

The old golf course operated from the early 1940's until 1946 when the current golf course was constructed. The area is now heavily wooded with a portion occupied by the former bachelor officer's quarters (BOQ). Surface and Subsurface soil sampling identified arsenic above Florida soil target cleanup levels. An action memorandum was prepared and approved in June 2000. Areas of soil where arsenic concentrations were greater than the residential cleanup levels established by statistical analyses have been excavated. During August 2000, 483-tons of contaminated soil was removed, transported and disposed off site. The site was backfilled with certified clean fill, graded and seeded.

Five-Year Review

The initial Five-Year Review for Naval Air Station Cecil Field was concurred upon by EPA in October 2000. The review focused on interim remedial actions that had been conducted at Operable Unit (OU) 2 (Sites 5 and 17), OU 7 (Site 16), OU 6 (Site 11). Discussions and recommendations were included for the long-term groundwater actions at these three operable units as well as operable units 1, 3, 4, 5, and 8 where the remedies had been in place for less than five years. The next five-year review is scheduled for October 2005.