

## **Appendix F.7**

### **Hazardous Materials and Waste**

1. Summary of IRP, MMRP and FUDS Sites in the Proposed Project Areas .....F.7-1

## Summary of IRP, MMRP and FUDS Sites in the Proposed Project Areas

### *Potts Junction Tank Farm*

This site is located within the military installation adjacent to the south side of Route 9, just north of Chalan Kareta and south of the Route 9/3 intersection. This site is included in the Installation Restoration Program (IRP) Sites – Andersen AFB Main Base plans provided by the Department of Defense (DoD); however, the associated information regarding this site is not included in the reports reviewed for this project. According to the DoD IRP Sites – Andersen AFB Main Base plans, this site is included in the IRP. A review of aerial photography shows heavy vegetation cover and possible remnants of concrete pads. During a site visit in March 2009, this site was inaccessible and could not be seen from the roadway. It is unknown if there are incidents of contamination associated with this site; however, no groundwater monitoring wells were found on- or off-site.

**Table F.1-8. Summary of IRP, MMRP and FUDS Sites in the Proposed Project Areas**

<i>Site ID</i>	<i>Site Description</i>	<i>Contaminants</i>	<i>Status</i>
Site 03 (Waste Pile 3)	This site is about 19 ac and is located in the North Field of Andersen AFB. The site was actively used from 1947 to 1977.	Pesticides, POL, solvents, scrap metal, sanitary trash, construction debris, and industrial waste, pesticides, and construction debris.	RI/FS is ongoing.
Site 05 (Landfill 5)	This site is approximately 3 ac and is located in the North Field of Andersen AFB. Years of operation were from 1956 to 1958.	Sanitary trash, metals, and dioxins in soil.	ROD was completed in 2007 that included the requirement for long-term monitoring.
Site 06 (Landfill 8)	Site 06 is about 8 ac and is located between the North and Northwest Fields of Andersen AFB. This site operated from 1946 to 1949.	Asphalt and asphaltic wastes, metals.	ROD was issued in 2007 recommending soil removal that is planned for FY 2010.
Site 35 (Waste Pile 1)	This site is located in the North Field and consists of approximately 7 ac.	Asphalt tar and heavy metals.	A ROD recommending land use control to prevent future residents was issued in 2008.
Site 50 (Building 8024, Northwest Field, former AOC 85 or SS061)	This site was an area of concern due to the presence of four surface debris mounds.	Heavy metals, asphalt, batteries, scrap metal, unspecified hazardous materials, and construction debris.	A ROD was issued in 2007 recommending soil removal planned for 2010. Antimony in subsurface soils would be a concern for future residents.

**Table F.1-8. Summary of IRP, MMRP and FUDS Sites in the Proposed Project Areas**

<i>Site ID</i>	<i>Site Description</i>	<i>Contaminants</i>	<i>Status</i>
Site 52 (UXO 4A MRA 254 Burn/Dump Site)	This 6 ac site was used to deposit and burn UXO.	UXO and munitions constituents.	This site is under consideration for the MMRP.
Site 64 (Asphalt Drum Area; AJJYDAO75 or Site I06)	This 3.5 ac drum disposal area is on Andersen AFB containing an estimated 100 to 300 deteriorated drums that leaked tar onto the ground leaving 6 to 8 inch pools of tar.	Asphal /tar waste.	RI/FS is in process. An RI report was completed in 2009.
Site 65 (Asphalt Drum Area and OEW Area with Oil/Water Separator; AJJYDA076 or Site I07)	This 50 ac drum disposal area and oil/water separator is located within the confines of Andersen AFB was a former industrial shops area.	POL, various debris, MEC, scrap metal, tires, PAHs, heavy metals including lead, concrete, and asphalt.	RI/FS is in process. Part of this site will be transferred to the MMRP. An RI report was completed in 2009.
AOC 46 (previously called AOC 1)	Surficial Waste Disposal Area – 17 automobile batteries were observed and removed with no evidence of contamination.		NFA Recommended
AOC 47 (combined previously called AOCs 2, 3, 4, 5, and 6)	Surficial Waste Disposal Area - Waste includes household surface debris, applicances, abandoned vehicles and vehicle parts, metal debris, and electric equipment. Material disposed is non-hazardous and potential contamination is unlikely.		Removal of surface wastes is recommended
AOC-86 Achae Point Quarry	Identified as an AOC due to the potential disposal of hazardous materials including pesticides, PCBs, and/or petroleum related products at an abandoned dump site with glass bottles, scrap metal, vehicle parts, and used oil filters.		No Further Action is recommended based on health risk evaluation
AOC-87 Radar Bomb Scoring Site Cleared Area	Identified as an AOC due to the presence of surface waste debris such as metal debris and an empty 55-gallon drum near a shallow depression area. No contaminants of concern were detected above PRGs.		No Further Action is recommended based on health risk evaluation
AOC-89 Lighthouse Road Quarry	Identified as an AOC due to the presence of surface waste debris such as soda bottles, a diesel engine block, tires, air brake cylinders, vehicle parts, and scrap metal near quarry. Antimony, Lead, Manganese, and Arsenic were detected at the site.		No Further Action is recommended based on health risk evaluation
AOC-90 Mt. Machanao Area	Identified as an AOC due to the presence of surface waste debris such as a utility pole, insulators, scrap metal, and wires near a mound. Manganese was detected at the site.		No Further Action is recommended based on health risk evaluation
AOC-91 EOD Rifle Range	Identified as an AOC due to the potential presence of spent ordnance at two mounds suspected of a backdrop for the firing range. Beryllium and Manganese were detected above residential PRGs.		Soil Remedial or Removal Action is recommended
AOC-92 Abandoned AVGAS Tanks	Identified as an AOC due to the potential release of fuel-related constituents and surface waste debris such as bottles, cans, scrap metal, and metal pieces at a former aviation fuel tank farm.		No Further Action is recommended based on health risk evaluation

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<i>Site ID</i>	<i>Site Description</i>	<i>Contaminants</i>	<i>Status</i>
AOC-93 South Runway Approach Zone	Identified as an AOC due to the presence of surface waste debris such as glass bottles and scrap metal near a group of trenches and mounds. Aluminum, Beryllium, Total Chromium, and Manganese were detected above residential PRGs.		Soil Remedial or Removal Action is recommended
AOC-94 UXO	Identified as an AOC due to the suspected disposal of ordnance at the 380-ac area.		Needs further investigation to characterize the existence of UXO contamination or its potential for a release to the environment.
IR PWC Site 2810: Construction Battalion (CB) Landfill	The former CB Landfill is located at the Naval Computer and Telecommunications Area Master Station (NCTAMS), Finegayan, Guam. It encompasses 2.6 ac and is located in the southwestern portion of the facility. The former CB Landfill was used primarily for disposal of wastes from a CB maintenance shop. The site was investigated from 1982 through 1995. A removal action was conducted at the site in 1998 and included a low permeability containment system consisting of a soil and synthetic cover system over buried landfill wastes. Based on results of post-removal action monitoring, the site no longer requires groundwater and gas monitoring.	POL, scrap metal, aircraft and vehicle parts, tires, concrete, glass, paint cans, and domestic trash.	The final remedy for this site is the implementation of LUCs. The site is currently maintained semiannually and five-year reviews are implemented to ensure that the site is not used. Surface soils may pose unacceptable risk to human health and the environment due to concentrations of metals, polycyclic aromatic hydrocarbons, and pesticides.
IR NCTAMS WESTPAC Site 14: RTF Barrigada Golf Course	The site is a landfill that was utilized from 1950 to 1954. The site is a depression located approx. 400 ft to the southeast of the 3rd hole and approx. 300 ft directly north of the 5th hole of the Nimitz Golf Course. It was reported that municipal “refuse” and possibly waste oil from motor pool activities were indicated that debris generated during construction of the golf course (e.g. trees, shrubs, dirt and rocks) were disposed of at the site.	Total petroleum hydrocarbons (TPH), total fuel hydrocarbons (TFH), and SVOCs.	A Site Inspection (SI) was conducted in September 1991. The SI recommended that further work be conducted to assess the nature and extent of the identified hydrocarbons. A remedial investigation (RI) is programmed to start in FY 12.  Potential media: soil and groundwater.
NCTS Finegayan Landfill No. 1	This landfill is located along Haputo Road that parallels an exercise trail and encompasses approximately three acres. This Landfill was used from the late 1940s until 1968.	Metals, scrap wood, solvents and other industrial wastes, and municipal refuse	SI field work complete. No significant health hazards other than low levels of lead below the maximum contaminant level (MCL) have been observed from sampling events (dry and wet seasons) at this Landfill.

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<i>Site ID</i>	<i>Site Description</i>	<i>Contaminants</i>	<i>Status</i>
NCTS Finegayan Landfill No. 2	This landfill is approximately 2,000 feet northeast of NCTS Finegayan Landfill No. 1 and was in use from 1968 until 1980. This landfill is located within a naturally occurring sinkhole.	Building rubble and demolition debris, waste oils, solvents, insulation materials, PCB-containing oils, and oil filters	SI field work complete. No significant health hazards other than low levels of lead below MCL have been observed from sampling events (dry and wet seasons) at this Landfill.
IR NAVACTS Site 35: Tear Gas Burial Site	This site is located in the northwest corner of the Naval magazine in southern Guam. Approximately 350 pounds of tear gas were buried in the 1960s in one gallon metal canisters about 8 ft deep.	Chloroacetophenone (CN) or mace and chlorobenzylidene malononitrile (CS) and other debris and burn area-related chemicals	Planned activities include a RI to evaluate the extent of the site. If necessary, based on the results of the RI, an evaluation of cleanup alternatives will be conducted.
MRP NAVACTS UXO 3: Naval Magazine Small Arms Range	The range is located close to Bona Spring in the northern portion of former Naval Magazine. The range was last used by Marines units in the 1980s.	Metals	SI field work complete. Preliminary results indicate that elevated concentrations of lead may present a risk. Further study is required.

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