

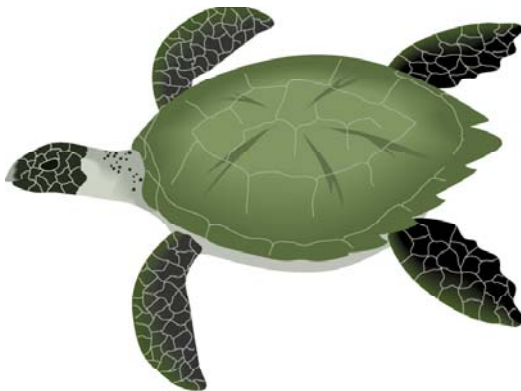


**United States Air Force  
15th Air Base Wing  
Environmental Restoration Program**

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***Final*  
WORK PLAN  
FOR SITE INSPECTIONS  
AT AREAS OF CONCERN 18, 20, AND 21  
Bellows Air Force Station  
Oahu, Hawaii**

**EXECUTIVE SUMMARY**



**April 15, 2002**

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# Executive Summary

This Work Plan has been prepared to support Site Inspections (SIs) at three Areas of Concern (AOCs) at Bellows Air Force Station (AFS) and Marine Corps Training Area, Oahu, Hawaii (collectively referred to hereafter as “Bellows”). The SIs are being conducted to support Installation Restoration Program (IRP) activities managed by the 15th Air Base Wing (15 ABW) Civil Engineer Squadron/Environmental Restoration Element (15 CES/CEVR) located at Hickam Air Force Base (AFB), Oahu, Hawaii. This work is being performed by CH2M HILL through the Air Force Center for Environmental Excellence (AFCEE) under Contract Number F41624-00-D-8021, Task Order 0024.

The SIs will address three AOCs at Bellows that are suspected to have been subject to the historical release of potentially hazardous contaminants. The three sites, shown on Figure ES-1, are:

- AOC 18, World War II Landfill
- AOC 20, Former Base Motor Pool Buildings 283 and 285
- AOC 21, Former “Decon” Building 470

Based on historical data and previous work conducted at these sites, conceptual exposure models (CEMs) were developed and the SI field investigation approaches were identified following establishment of data quality objectives (DQOs). The strategy for the SI field investigation phase is to collect the data necessary to support one of the following decisions: (1) proceed to a No Further Response Action Planned (NFRAP) designation for a particular AOC; or (2) recommend additional site characterization for an AOC under the IRP. The decisionmaking recommendations will be based on a risk-screening evaluation process that includes comparison of SI analytical data to appropriate screening criteria (such as State of Hawaii Department of Health [HDOH] Tier 1 action levels and/or U.S. Environmental Protection Agency [EPA] Preliminary Remediation Goals [PRGs]).

Completed SI fieldwork includes vegetation clearing at AOCs 18, 20, and 21, and a geophysical survey at AOC 18. Additional SI fieldwork to be conducted will consist of surface soil sampling, subsurface soil and groundwater sampling using direct-push system (DPS) drilling methods, subsurface soil and groundwater sampling using hollow-stem auger (HSA) drilling methods. At AOC 18, excavation of trenches using a backhoe to evaluate potential landfill materials and to collect subsurface soil samples will be performed. Table ES-1 summarizes the SI field investigation tasks to be conducted at each of the AOCs.

The SI field investigation will be followed by laboratory analysis of soil and groundwater samples, analytical data validation, data evaluation and reporting (in the form of one SI Report for the three AOCs), and NFRAP documentation for each AOC, as appropriate.

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**TABLE ES-1****Site Inspection Fieldwork Tasks for AOCs 18, 20, and 21***Site Inspections at AOCs 18, 20, and 21, Bellows AFS, Oahu, Hawaii*

Area of Concern (AOC)	Vegetation Clearing*	Geophysical Survey*	Surface Soil Sampling	Subsurface Soil Sampling	Trench Excavation	Groundwater Sampling
AOC 18 (World War II Landfill)	X	X	X	X	X	X
AOC 20 (Former Base Motor Pool Buildings 283 and 285)	X		X	X		X
AOC 21 (Former "Decon" Building 470)	X		X	X		X

**Notes:**

\*Task completed