



CAF 98
DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 27th FIGHTER WING (ACC)
CANNON AIR FORCE BASE NEW MEXICO

gda

10 MAY 1998

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Mr. Benito J. Garcia, Chief
Hazardous and Radioactive Materials Bureau
New Mexico Environment Department
2044 Galisteo Street
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Santa Fe NM 87502



Dear Mr. Garcia

Enclosed are revisions to the Final Work Plan for Site Inspections at Areas Of Concern (AOC) E, F, G, and H located at Cannon Air Force Base (AFB). These revisions address changes in administrative procedures for laboratory analysis resulting from a contractual modification.

These modifications will result in the use of a new laboratory for analysis of samples taken during the Site Investigation.

If you have any questions, please contact Mr. Sanford Hutsell, of my Environmental Flight, at (505) 784-6378.

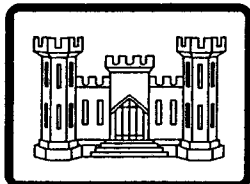
Sincerely

James A. Thomas III
JAMES A. THOMAS III, Colonel, USAF

Attachment:
New Cover, Spine, & Appendix A

cc:
NMED w/o Atch (C. Will)
NMED GW Bureau (J. Jacobs)
EPA Region VI (D. Neleigh)

CERCLA SITE INSPECTIONS AT
AREAS OF CONCERN (AOCS)
E, F, G, AND H
CANNON AFB, NEW MEXICO



Prepared for
U.S. Department of the Army
Corps of Engineers, Omaha District
Omaha, Nebraska

April 1998

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Acronym List

A-E	Architect-Engineer
AFB	Air Force Base
AOC	Area of Concern
ASTM	American Society for Testing and Materials
B.P.	Before Present
BGS	Below Ground Surface
BRA	Baseline Risk Assessment
CEC	Cation Exchange Capacity
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
cm	Centimeter(s)
cm/sec	Centimeter(s)-per-second
cm/yr	Centimeter(s)-per-year
COC	Chemical of Concern
DOT	Department of Transportation
DQCR	Daily Quality Control Report
DQO	Data Quality Objective
EM	Electromagnetic
EPA	Environmental Protection Agency
ft/yr	Feet-per-year
FSP	Field Sampling Plan
gal/ft	Gallons-per-foot
gpm	Gallons-per-minute
HA	Hand Auger Boring
HQ	Hazard Quotient
ICP	Inductively Coupled Plasma
IDW	Investigation-Derived Waste
IEUBK	Integrated Exposure Uptake Biokinetic
Km/hr	Kilometer(s)-per-hour
L/min	Liters-per-minute
m ³ /m	Cubicmeters-per-meter
m/yr	Meter(s)-per-year
mg/kg	Milligrams-per-kilogram
mg/L	Milligrams-per-Liter
MSL	Mean Sea Level
MS/MSD	Matrix Spike/Matrix Spike Duplicate
MSC	Media-Specific Concentration
NWR	National Wildlife Refuge
PPE	Personal Protective Equipment
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RCRA	Resource Conservation and Recovery Act
RfD	Reference Dose
RI/FS	Remedial Investigation/Feasibility Study
SB	Soil Boring

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Acronym List

SCEM	Site Conceptual Exposure Model
SSHP	Site Safety and Health Plan
SI	Site Inspection
SOP	Standard Operating Procedure
SOS	Scope of Services
SS	Surface Soil Sample
TM	Technical Manager
USACE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency
UTL	Upper Tolerance Limit
W-C	Woodward-Clyde

1.1 PURPOSE AND SCOPE

This Work Plan (WP) describes the field sampling requirements for the completion of Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Site Inspections (SI) to be completed at four Areas of Concern (AOCs) at Cannon Air Force Base (AFB) near Clovis, New Mexico. These AOCs include AOC-E, -F, -G, and -H. A map of Cannon AFB and the locations of the four AOCs are shown on Figure 1-1.

This WP describes the investigative activities required to provide the necessary information to determine the presence or absence of chemical contamination which may pose an unacceptable risk to human health or the environment at the four AOCs.

This WP is based on and meets the data requirements established in the Scope of Services (SOS) provided by USACE, Omaha District. It includes preparing planning documents, doing a field investigation (surface and subsurface soil sampling), analyzing the field samples for chemicals, evaluating the chemical data, comparing the analytical results to established media-specific concentrations (MSCs), and preparing the final SI report.

Section 2.0 discusses the decision process to be used, including information on site conceptual exposure models and screening-level health risk evaluation methodology.

Section 3.0 includes field sampling procedures and site-specific sampling objectives.

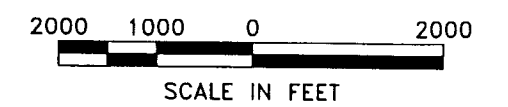
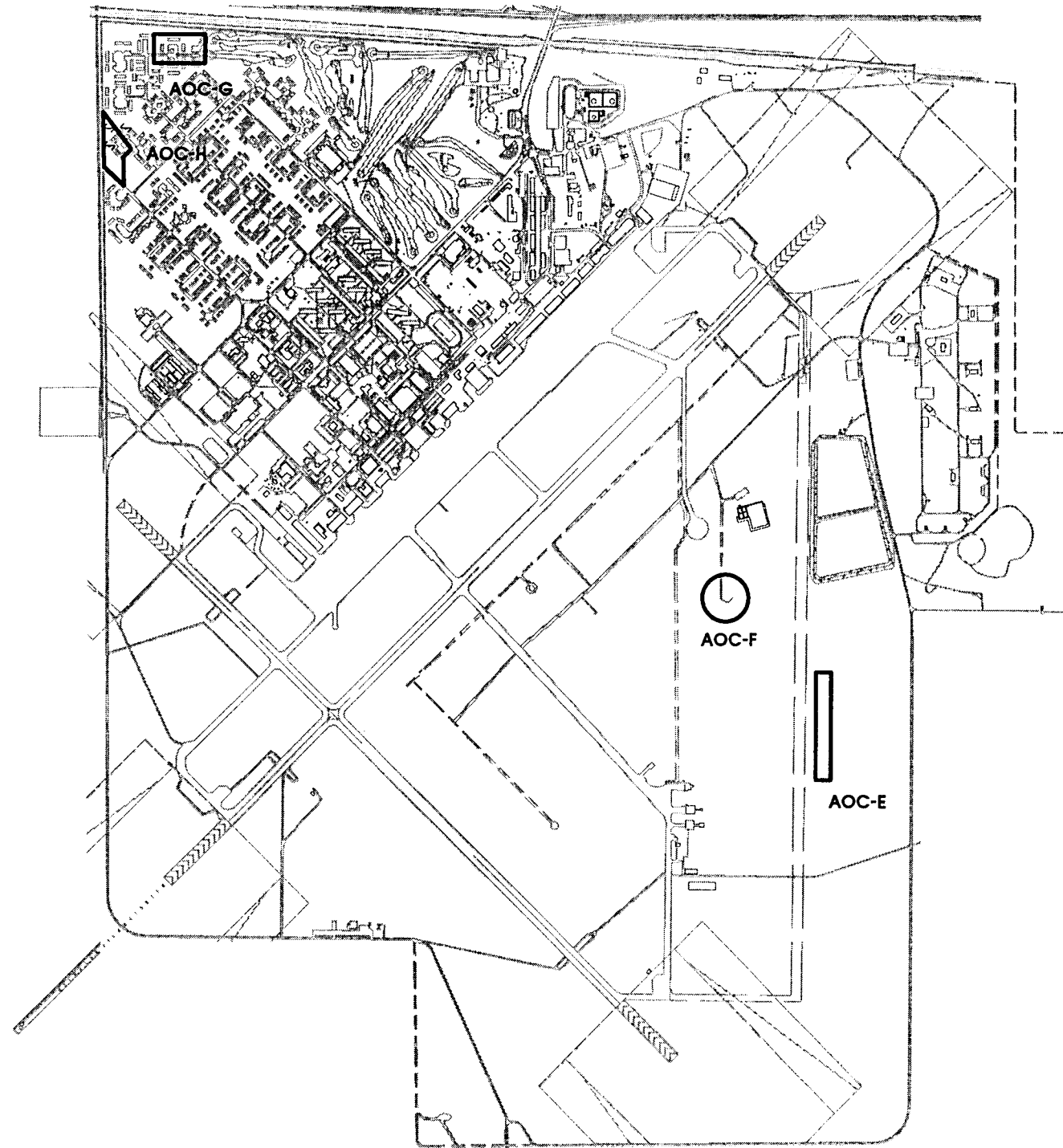
Appendix A contains the QAPP Addendum. Appendix B contains the SSHP Addendum. SOPs are in Appendix C. EPA Region VI Human Health Media-Specific Screening Alternatives are in Appendix D.

1.2 REGULATORY FRAMEWORK

This WP follows the United States Army Corps of Engineers (USACE) specified guidance from the United States Environmental Protection Agency (USEPA) "Guidance for Performing Site Inspections under CERCLA," USEPA OSWER Directive 93415.1-05 (September 1992).

LEGEND

AOC	DESIGNATED AREA
E	RUNWAY RUBBLE PILE
F	CALIBRATION TARGET BERM
G	DISTURBED AREA
H	DISTURBED AREA



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Drawing: T:\CANNON\M9602R\T1200\FIG1M9620R.DWG (TSSM)
Xrefs: CAN-BASE.DWG

DRN. BY: BAG	DATE: 01/21/98	SITE PLAN AND LOCATION OF AREAS OF CONCERN CANNON AIR FORCE BASE NEW MEXICO	PROJECT NO.	FIG. NO.
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