



**DEPARTMENT OF THE AIR FORCE**

HEADQUARTERS 49TH FIGHTER WING (ACC)  
HOLLOMAN AIR FORCE BASE, NEW MEXICO

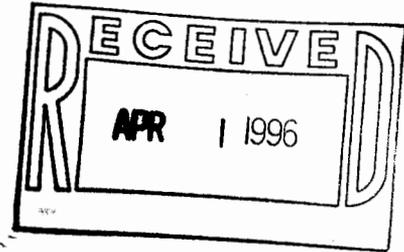
*Stephanie  
↳ F. G.*

**29 MAR 1996**

MEMORANDUM FOR US ENVIRONMENTAL PROTECTION AGENCY  
REGION VI (6H-CS)

Attn: Mr Gene Keepper  
First Interstate Bank Tower  
1445 Ross Avenue  
Dallas TX 75202-2733

FROM: 49 CES/CEV  
550 Tabosa Ave  
Holloman AFB NM 88330-8458



SUBJECT: Compliance Agreement Quarterly Report

1. Pursuant to the requirements set forth in Section X--REPORTING AND EXTENSIONS section of the Compliance Agreement signed on 20 December 1988, we hereby submit the 29th Quarterly Progress Report (Atch 1). This report will provide a brief outline of events from 1 January-31 March 1996.
2. Documentation for the contents of the attached report is available upon request from the 49 CES/CEV office at Holloman AFB. If you have any questions or comments, contact Dr Fred M. Fisher (505) 475-3931.

*Howard E. Moffitt*  
HOWARD E. MOFFITT  
Deputy Base Civil Engineer

Attachment:  
Compliance Agreement Report

cc: w/Atch  
HQ ACC/JA  
HQ ACC/CEVCM (Mr Larry Isaacs)  
ACC CES/ESVW (Mr Jim Haggins)  
  
49 FW/JA (Mr Charles MacDonald)

NM Environment Department  
Hazardous & Radioactive Materials Bureau  
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Santa Fe NM 87502-6110  
Ms Barbara Hoditschek,  
Mr Ron Kern, and  
Ms Stephanie Kruse

Mr Mark Wilson  
Fish and Wildlife Service  
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Albuquerque NM 87113

AFCEE/CCR-D (Mr Tom Manning)  
P.O. Box 116  
525 Griffin St  
Dallas TX 75202

Mr Mark Mercier  
U.S. Army Corps of Engineers  
Omaha District/CEMRO-ED-EA  
215 N. 17th Street  
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Ms Kathleen Alsup  
Radian Corp  
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Mr Dan Holmquist  
Foster Wheeler Corp  
Holloman AFB NM

Mr Raymond P. Churan  
Regional Environmental Officer  
United States Department of the Interior  
P.O. Box 649  
Albuquerque NM 87103

**Holloman Air Force Base (HAFB) Federal Facilities Compliance Agreement (FFCA)  
Twenty-Ninth Quarterly Progress Report, 1 January 1996-31 March 1996  
Civil Engineer Environmental Flight, 49 CES/CEV, 26 March 1995**

3 Jan 1996: Submitted 28th Quarterly Progress Report.

16-18 Jan 1996: Meeting at Radian Corp, Austin, TX, to resolve risk assessment issues and prepare for Stakeholders Closure Meeting. Organizations represented at the meeting included Holloman AFB (HAFB), US Army Corps of Engineers-Omaha District (ACE-Omaha), Foster-Wheeler Environmental Corp (FWEC) and Radian Corp. The major risk assessment issues concerned the Ecological Risk Assessment. Issues included (1) the appropriateness of extrapolating data across taxonomic classes, (2) what numerical uncertainty factors are appropriate when data is extrapolated across genera, families, and orders, and (3) what uncertainty factor is appropriate for the use of data from short-term laboratory studies. Under the system employed in the draft *Risk Assessment Addendum*, the combination of all uncertainty factors could increase estimated hazard by a factor of 6000.

17 Jan 1996: Phone conversation between Mr. Jeff Yurk, US Environmental Protection Agency (EPA) Region 6, and Dr. Fred Applehans, FWEC, regarding uncertainty issues in the Ecological Risk Assessment.

26 Jan 1996: Phone conversation between Mr. Jeff Yurk, EPA, and Dr. Fred Applehans, FWEC regarding a proposal to reduce the level of uncertainty in the Ecological Risk Assessment. The proposal is a modification of uncertainty factors previously approved by EPA Region 7 for the risk assessment of the Rocky Mountain Arsenal (RMA) and other sites.

30 Jan 1996: A letter was sent by Dr. Fred Applehans, FWEC to Mr. Jeff Yurk, EPA Region 6, confirming the proposed uncertainty factors which in combination could increase estimated hazard by a factor of 600. This contrasts to the factors used for the RMA, which can increase estimated hazard by a factor of 400. Based on the general health of organisms observed at HAFB, the factor of 600 will provide more than adequate protection against uncertainty.

23 Feb 1996: Submitted written notification, in accordance with Section 404 of the Clean Water Act, to the US Army Corps of Engineers-El Paso Regulatory Office and the New Mexico Environment Department (NMED) Surface Water Bureau that HAFB will conduct dredge and fill activities in Waters of the US as part of a project to restore and construct wetlands for the new wastewater treatment plant. The constructed wetlands project is required by a Finding of No Significant Impact for the new wastewater treatment plant. The new wastewater treatment plant is required, in turn, to allow closure of the lagoons.

4 Mar 1996: Received a letter from NMED Surface Water Bureau outlining terms and conditions under which the constructed wetlands project may proceed.

5 Mar 1996: Received a design update on the constructed wetlands project from US Fish and Wildlife Service adding floodwater overflow structures.

7 Mar 1996: Submitted annual groundwater monitoring report for the lagoons to NMED Hazardous and Radioactive Materials Bureau. The alternate concentration limits for triggering assessment monitoring were not exceeded in 1995.

12 Mar 1996: The Draft Final *Risk Assessment Addendum* was submitted by Radian Corp directly to NMED, EPA Region 6, and US Fish and Wildlife Service.

22 Mar 1996: The Site Summary Document, providing background information for the 3 Apr 1996 Stakeholders Closure Meeting, was sent by Radian Corp directly to meeting participants.