Photographs of Extended Bventing Activities

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May 24, 1996

Mr. Bill Barry  
15 CES/CEVR  
75 H Street  
Hickam AFB, HI  96853-5233

Subject: Photographs of Extended Bioventing Activities

Dear Bill:

Please find enclosed some color copies of photographs of extended bioventing system installation, which Christine had requested before she left Hickam AFB. I hope things are going well for you in this transitional period. If I can be of assistance, please call me at (303) 831-8100.

Sincerely,

PARSONS ENGINEERING SCIENCE, INC.

[Signature]

John Ratliff  
Project Manager

Enclosures

cc: Capt Ed Marchand, AFCEE/ERT  
File 726876.29
Title: AFCEE Collection

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Print or Type Name: [Laura Peña]
Signature: [Laura Peña (For DTIC Use Only)]
Telephone: [210-536-1431]
AQ Number: [M01-02-0288]
Photograph Log

Installation of Extended Bioventing Systems
Sites ST12-A, ST12-B, and ST10

October and November 1995

1 and 2.) Installation of blower system and electrical components at Site ST12-B.

3.) Installation of subgrade electrical conduit at Site ST12-B.

4.) Bioventing shed and panel for electrical equipment at Site ST12-A.

5.) Bioventing shed at Site ST12-A, with open-bottomed disposal basin (contamination source) in the foreground.

6 and 7.) Silty clay soil sample collected at VW-1 from 40 feet bgs. Note grey discoloration. 18 October 1995.

8.) Highly vesicular saprolite sample collected at Site ST12-B, MPC-90. 21 October 1995.

9, 10, 11, and 12.) Highly vesicular saprolite sample collected at Site ST12-B, MPB-90. 24 October 1995.


14, 15, 16, and 17.) Site ST12-B. 24 October 1995.

18, 19, and 20.) Silt sample collected from Site ST12-A, MPD. Depth not recorded. 24 October 1995.

21.) Drilling at Site ST12-A, MPD.

22, 23, and 24.) Soil samples collected from Site ST12-A, VW-2. Note the grey hydrocarbon staining at 90 and 100 feet below grade. 26 October 1995.

25 and 26.) Construction of flush-mount wellhead protector at Site ST12-B, VW-1.

27, 28, 29, and 30.) In situ respiration test setup at Site ST12-B. 4 November 1995.

31 and 32.) Site ST12-B.

33.) Blower at Site ST12-B.

34.) Constructing new flush-mount protector over MW-6, Site ST12-A.

35 and 36.) Site ST12-A.

37.) Electrical components installed at Site ST12-A.

38, 39, 40, 41, 42.) Site ST12-A.

43 and 44.) Site ST12-B.