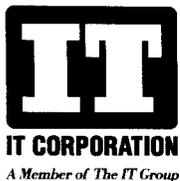

Decision Document for Former Smoke Area BVZ, Parcel 124(7)

Fort McClellan
Calhoun County, Alabama

March 2001

Task Order CK05
Contract Number DACA21-96-D-0018



US Army Corps
of Engineers
Mobile District



**FINAL
DECISION DOCUMENT FOR
FORMER SMOKE AREA BVZ, PARCEL 124(7)
FORT McCLELLAN, CALHOUN COUNTY, ALABAMA**

ISSUED BY: THE U. S. ARMY

MARCH 2001

**U.S. ARMY ANNOUNCES
DECISION DOCUMENT**

This Decision Document presents the determination that no further remedial action will be necessary to protect human health and the environment at Former Smoke Area BVZ, Parcel 124(7), at Fort McClellan (FTMC) in Calhoun County, Alabama. The location of the parcel at FTMC is shown on Figure 1. In addition, this Decision Document provides the site background information used as the basis for the no further action decision with regard to hazardous, toxic, and radioactive waste (HTRW). Unexploded ordnance (UXO)-related issues may be present at the site and are being addressed separately by the U.S. Army.

This Decision Document is issued by the U.S. Army Garrison at FTMC with involvement by the Base Realignment and Closure (BRAC) Cleanup Team (BCT). The BCT consists of representatives from the U.S. Army, the U.S. Environmental Protection Agency Region IV, and the Alabama Department of Environmental Management. The BCT is responsible for planning

and implementing environmental investigations at FTMC.

Based on the results of the site investigation (SI) completed at Former Smoke Area BVZ, Parcel 124(7), the U.S. Army will implement no further action at the site with regard to HTRW. UXO-related issues may be present at the site and are being addressed separately by the U.S. Army. This decision was made by the U.S. Army with concurrence by the BCT.

This Decision Document summarizes site information presented in detail in background documents that are part of the administrative record for Former Smoke Area BVZ, Parcel 124(7). A list of background documents for Parcel 124(7) is presented on Page 2. A copy of the administrative record for Parcel 124(7) is available at the public repositories listed on Page 3.

**REGULATIONS
GOVERNING SITE**

FTMC is undergoing closure by the BRAC Commission under Public Laws 100-526 and 101-510. The 1990 Base Closure Act, Public Law 101-510, established the

process by which U.S. Department of Defense (DOD) installations would be closed or realigned. The BRAC Environmental Restoration Program requires investigation and cleanup of federal properties prior to transfer to the public domain. In addition, the Community Environmental Response Facilitation Act (CERFA) (Public Law 102-426) requires federal agencies to identify real property on military installations scheduled for closure that can be transferred to the public for redevelopment or reuse. Consequently, the U.S. Army is conducting environmental studies of the impact of suspected contaminants at parcels at FTMC. The BRAC Environmental Restoration Program at FTMC follows the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process.

SITE BACKGROUND

FTMC is located in the foothills of the Appalachian Mountains of northeastern Alabama near the cities of Anniston and Weaver in Calhoun County. FTMC comprises two main areas of government-owned properties: the Main Post and Pelham Range. Until May 1998, the FTMC

PRIMARY BACKGROUND DOCUMENTS FOR PARCEL 124(7)

Environmental Science and Engineering, Inc. (ESE), 1998, *Final Environmental Baseline Survey, Fort McClellan, Alabama*, prepared for U.S. Army Environmental Center, Aberdeen Proving Ground, Maryland, January.

IT Corporation (IT), 2001, *Final Site Investigation Report Former Smoke Area BVZ, Parcel 124(7), Fort McClellan, Calhoun County, Alabama*, March.

IT Corporation (IT), 2000, *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama*, July.

IT Corporation (IT), 1998, *Final Site-Specific Field Sampling Plan for Former Smoke Area BVZ, Parcel 124(7), Fort McClellan, Calhoun County, Alabama*, October.

Science Applications International Corporation, 1998, *Final Background Metals Survey Report, Fort McClellan, Alabama*, July.

installation also included the Choccolocco Corridor, a 4,488-acre tract of land that was leased from the State of Alabama. The Main Post, which occupies 18,929 acres, is bounded on the east by the Choccolocco Corridor, which previously connected the Main Post with the Talladega National Forest. Pelham Range, which occupies 22,245 acres, is located approximately 5 miles due west of the Main Post and adjoins the Anniston Army Depot on the southwest.

Former Smoke Area BVZ is located in the central portion of the Main Post, between the developed area of the post and the Skeleton Mountains, in the southwest portion of Range 29 (Figure 1). The parcel covers approximately 1.3 acres. The site and surrounding area are mostly undeveloped or wooded. Activities at the site included the use of approximately 15 smoke generators and fog oil. The fog oil

was stored in 55-gallon drums in an area measuring approximately 50 by 50 feet located at the fog line. Spills of fog oil reportedly occurred at the site. Smoke Area BVZ was used only when all other smoke ranges were occupied. The dates of its use could not be determined. There are no buildings or structures present at the site; however, pieces of cinder block and metal that may have been previously used as fog oil drum racks are visible around the site.

South Branch of Cane Creek, an intermittent stream, is located approximately 250 feet southwest of the site and flows to the northwest. The site is located on a steep, west-facing slope, and is approximately 100 feet wide (east to west) and 500 feet in length (north to south). Site elevation is approximately 870 to 900 feet above mean sea level.

SCOPE AND ROLE OF PARCEL

Information developed from the environmental baseline survey (Environmental Science and Engineering, Inc. [ESE], 1998) was used to group areas at FTMC into standardized parcel categories using DOD guidance. All parcels received a parcel designation for one of seven CERFA categories, or a non-CERCLA qualifier designation, as appropriate. The seven CERFA categories include CERFA Uncontaminated Parcels (Categories 1 and 2), CERFA Contaminated Parcels (Categories 3 through 7), and CERFA Qualified Parcels. Former Smoke Area BVZ, Parcel 124(7), was categorized as a CERFA Category 7 parcel in the environmental baseline survey. CERFA Category 7 parcels are areas that are not evaluated or require further evaluation (ESE, 1998).

**PUBLIC INFORMATION REPOSITORIES
FOR FORT McCLELLAN**

Anniston Calhoun County Public Library

Reference Section

Anniston, Alabama 36201

Point of Contact: Ms. Sunny Addison

Tele: (256) 237-8501

Fax: (256) 238-0474

Hours of Operation: Monday – Friday 9:00 a.m. - 6:30 p.m.

Saturday 9:00 a.m. - 4:00 p.m.

Sunday 1:00 p.m. - 5:00 p.m.

Houston Cole Library

9th Floor

Jacksonville State University

700 Pelham Road

Jacksonville, Alabama 36265

Point of Contact: Ms. Rita Smith (256) 782-5249

Hours of Operation: Monday – Thursday 7:30 a.m. – 11:00 p.m.

Friday 7:30 a.m. – 4:30 p.m.

Saturday 9:00 a.m. – 5:00 p.m.

Sunday 3:00 p.m. – 11:00 p.m.

With the issuance of this Decision Document, Parcel 124(7) is recategorized as a CERFA Category 3 parcel. Category 3 parcels are areas where release, disposal, and/or migration of hazardous substances has occurred but at concentrations that do not require a removal or remedial response.

SITE INVESTIGATION

An SI was conducted at Former Smoke Area BVZ, Parcel 124(7), to determine whether chemical constituents are present at the site at concentrations that present an unacceptable risk to human health

or the environment (IT Corporation [IT], 2001). The SI at Former Smoke Area BVZ, Parcel 124(7), consisted of the sampling and analysis of two surface soil samples, two depositional soil samples, two subsurface soil samples, three surface water samples, and three sediment samples. Samples were analyzed for target analyte list metals, target compound list volatile organic compounds (VOC), and target compound list semivolatile organic compounds (SVOC). In addition, sediment samples were analyzed for total organic carbon and grain size.

To evaluate whether detected constituents present an unacceptable risk to human health and the environment, the analytical results were compared to human health site-specific screening levels (SSSL) and ecological screening values (ESV) for FTMC (IT, 2000). The SSSLs and ESVs were developed as part of human health and ecological risk evaluations associated with SIs being performed under the BRAC Environmental Restoration Program at FTMC. Additionally, metal concentrations exceeding SSSLs and ESVs were compared to media-specific background screening values (Science

Applications International Corporation, 1998).

The potential threat to human receptors is expected to be low. Although the site is projected for passive recreational use, the soils data were screened against residential human health SSSLs to evaluate the site for possible unrestricted future land use. In soils, the concentrations of four metals (aluminum, arsenic, iron, and manganese) exceeded SSSLs. With the exception of iron in one subsurface soil sample, the concentrations of these metals were below their respective background concentration or within the range of background values and do not pose an unacceptable risk to human health. VOC and SVOC concentrations in site media were below SSSLs.

The potential impact to ecological receptors is also expected to be minimal. Nine metals were detected in site media at concentrations exceeding ESVs. However, the concentrations of these metals were below their respective background concentration or within the range of background values and do not pose an unacceptable risk to the environment.

Two VOCs (1,2,3-trichloropropane and trichlorofluoromethane) were detected in sediments at Parcel 124(7) in concentrations exceeding ESVs. The compound 1,2,3-trichloropropane was detected in only one sample location at a concentration (0.11 milligrams per kilogram [mg/kg]) below the method reporting limit. The trichlorofluoromethane results (0.0032 mg/kg, 0.0059 mg/kg, and

0.0034 mg/kg) marginally exceed the ESV (0.00307 mg/kg).

The concentrations of six SVOCs (bis[2-ethylhexyl]phthalate, chrysene, fluoranthene, naphthalene, phenanthrene, and pyrene) exceeded ESVs in sediment samples collected at the site. The bis(2-ethylhexyl)phthalate ESV exceedance was flagged with a 'B' data qualifier, suggesting that this compound is not site-related. The other five SVOCs that exceeded ESVs are polynuclear aromatic hydrocarbon (PAH) compounds that were detected in one sediment sample collected on the downstream side of Rock Hollow Road. This fact, coupled with the observation that these compounds were not detected in any of the other samples collected at the site, including two sediment samples collected upstream of Rock Hollow Road closer to the area of investigation, suggests these PAH compounds are not site-related.

SITE REMEDIAL ACTIONS

Remedial actions were not conducted at Former Smoke Area BVZ, Parcel 124(7).

DESCRIPTION OF NO FURTHER ACTION

Remedial alternatives were not developed for Parcel 124(7). No further action is selected because remedial action is unnecessary to protect human health or the environment at this site. The metals and chemical compounds detected in site media do not pose an unacceptable risk to human health or the environment. Therefore, the site is released for

unrestricted future land use with regard to HTRW. UXO-related issues may be present at the site and are being addressed separately by the U.S. Army. Furthermore, Parcel 124(7) is recategorized as a CERFA Category 3 parcel. Category 3 parcels are areas where release, disposal, and/or migration of hazardous substances has occurred but at concentrations that do not require a removal or remedial response. The U.S. Army will not take any further action to investigate, remediate, or monitor Former Smoke Area BVZ, Parcel 124(3) (formerly Parcel 124[7]), with regard to HTRW.

The following costs are associated with implementing the no-action alternative:

Capital Cost:	\$0
Annual Operation & Maintenance Costs:	\$0
Present Worth Cost:	\$0
Months to Implement:	None
Remedial Duration:	None.

DECLARATION

Further remedial action is unnecessary at Former Smoke Area BVZ, Parcel 124(3) (formerly Parcel 124[7]). The no further action remedy protects human health and the environment, complies with federal and state regulations, and is a cost-effective application of public funds. This remedy will not leave in place hazardous substances at concentrations that require limiting the future use of the parcel or that require land-use control restrictions. The site is released for unrestricted future land use with regard to HTRW. UXO-related issues may be present at the site and are being addressed

separately by the U.S. Army.

Parcel 124(7) is recategorized as a CERFA Category 3 parcel.

Category 3 parcels are areas where release, disposal, and/or migration of hazardous substances has occurred but at concentrations that do not require a removal or remedial response. There will not be any further remedial costs associated with implementing no further action at Former Smoke Area BVZ, Parcel 124(3) (formerly Parcel 124[7]).

QUESTIONS/COMMENTS

Any questions or comments concerning this Decision Document or other documents in the administrative record can be directed to:

Mr. Ronald M. Levy
Fort McClellan BRAC
Environmental Coordinator
Tel: (256) 848-3539

E-mail: LevyR@mccllellan-emh2.army.mil

ACRONYMS

BCT	BRAC Cleanup Team
BRAC	Base Realignment and Closure
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERFA	Community Environmental Response Facilitation Act
DOD	U.S. Department of Defense
ESE	Environmental Science and Engineering, Inc.
ESV	ecological screening value
FTMC	Fort McClellan
HTRW	hazardous, toxic, and radioactive waste
IT	IT Corporation
mg/kg	milligrams per kilogram
PAH	polynuclear aromatic hydrocarbon
SI	site investigation
SSSL	site-specific screening level
SVOC	semivolatile organic compound
UXO	unexploded ordnance
VOC	volatile organic compound

DWG. NO.: ...774645es.671
PROJ. NO.: 774645

INITIATOR: J. REMO
PROJ. MGR.: J. YACOUB

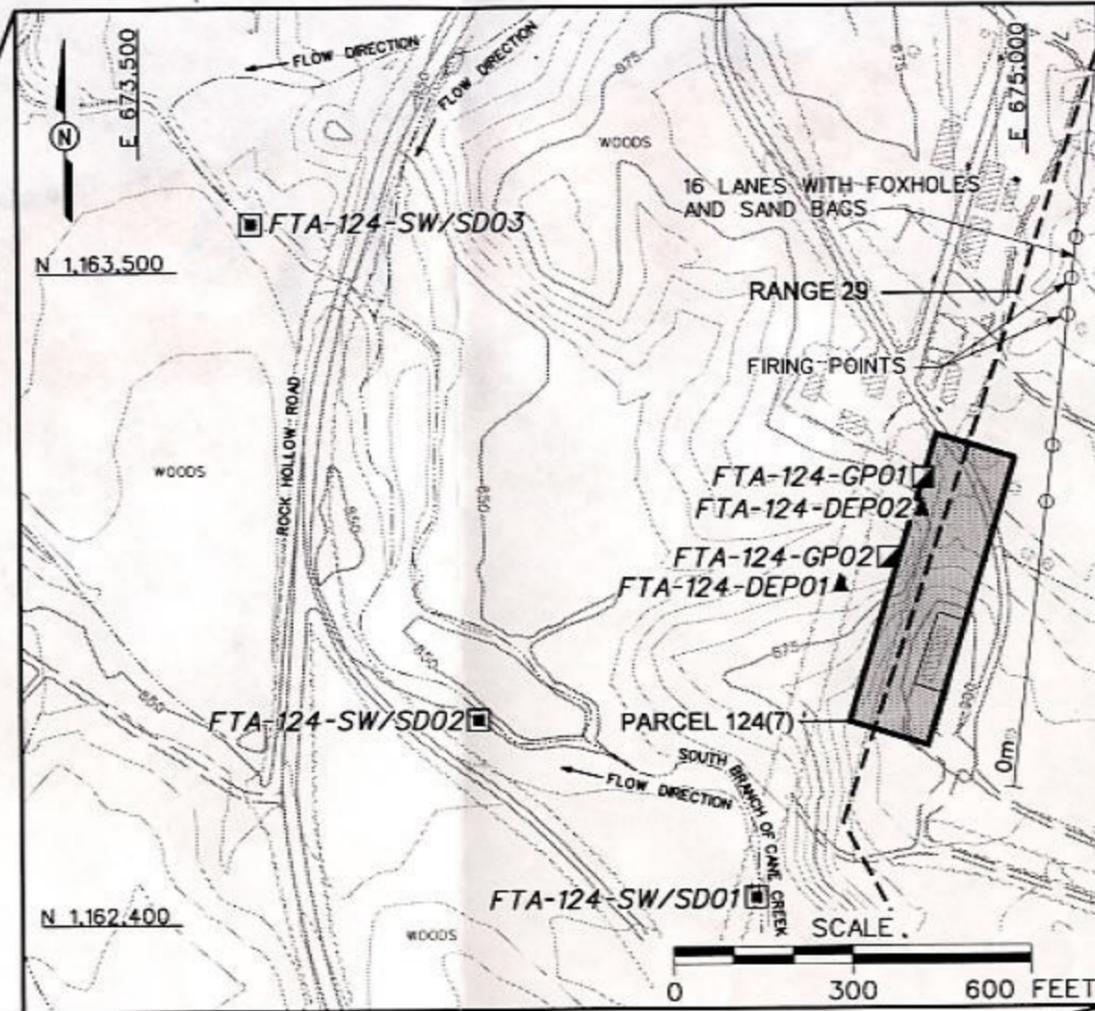
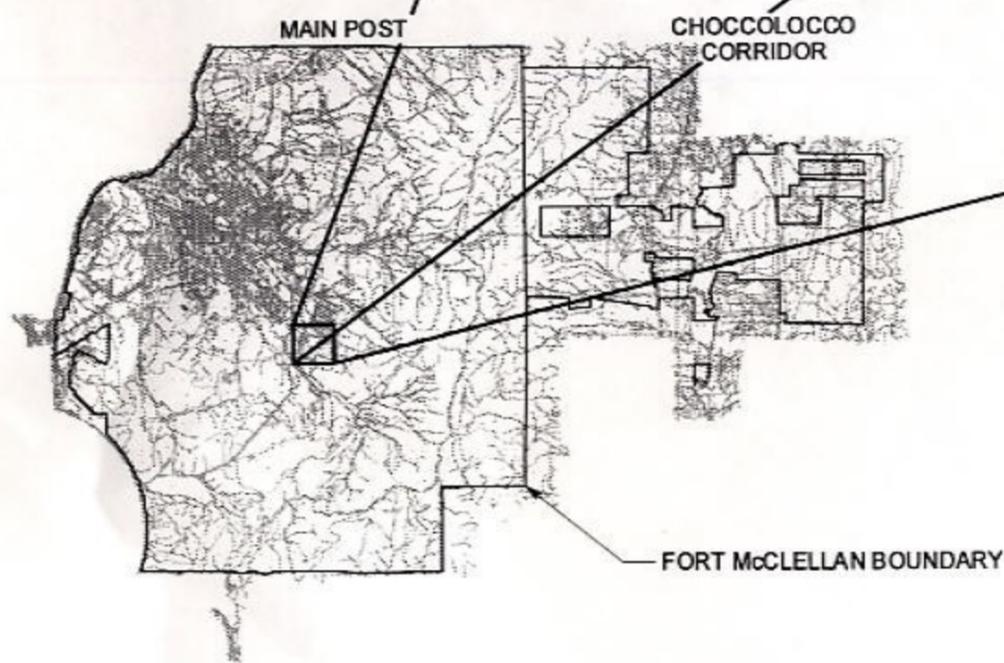
DRAFT. CHK. BY:
ENGR. CHK. BY: S. MORAN

DATE LAST REV.:
DRAWN BY:

STARTING DATE: 11/27/00
DRAWN BY: D. BILLINGSLEY

12/13/00
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LEGEND

- UNIMPROVED ROADS AND PARKING
- PAVED ROADS AND PARKING
- FORMER BUILDINGS
- TOPOGRAPHIC CONTOURS (CONTOUR INTERVAL - 5 FEET)
- TREES / TREELINE
- PARCEL BOUNDARY
- BRIDGE
- CULVERT WITH HEADWALL
- SURFACE DRAINAGE / CREEK
- UTILITY POLE
- SURFACE WATER/SEDIMENT SAMPLE LOCATION
- SURFACE AND SUBSURFACE SOIL SAMPLE LOCATION
- DEPOSITIONAL SOIL SAMPLE LOCATION

FIGURE 1
SITE MAP
FORMER SMOKE AREA BVZ
PARCEL 124(7)

U. S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
FORT McCLELLAN
CALHOUN COUNTY, ALABAMA
Contract No. DACA21-96-D-0018

IT CORPORATION
A Member of The IT Group

Prepared under direction of:

Ellis C. Pope

Ellis Pope
Environmental Engineer
U.S. Army Corps of Engineers, Mobile District
Mobile, Alabama

4/17/01
Date

Reviewed by:

Ronald M. Levy

Ronald M. Levy
BRAC Environmental Coordinator
Fort McClellan, Alabama

16 July 01
Date

Approved by:

Glynn D. Ryan

Glynn D. Ryan
Site Manager
Fort McClellan, Alabama

16 July 01
Date



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

March 28, 2001

EMAIL & US MAIL

4WD-FFB

Mr. Ron Levy
BRAC Environmental Coordinator
U.S. Army Garrison/Transition Force
Environmental Office
291 Jimmy Parks Boulevard
Fort McClellan, AL 36205-5000

SUBJ: Final Site Investigation Report for the Former Smoke Area BVZ, Parcel 124(7)
Final Decision Document for the Former Smoke Area BVZ, Parcel 124(7)
Fort McClellan

Dear Mr. Levy:

The Environmental Protection Agency (EPA) has reviewed the subject documents. Based upon the information provided to EPA and as agreed upon in the February 5-9, 2001, On Board Reviews, EPA agrees with and approves the subject documents. Thank you for your cooperation. If you have any questions, please call me at (404) 562-8549.

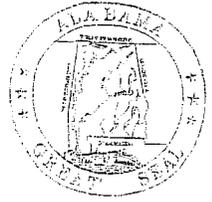
Sincerely,

A handwritten signature in cursive script that reads "Doyle V. Brittain".

Doyle V. Brittain
Senior Remedial Project Manager

cc: Lisa Kingsbury, Ft. McClellan
Ellis Pope, USA, COE
Phil Stroud, ADEM

ADEM



ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

POST OFFICE BOX 301463 36130-1463 ♦ 1400 COLISEUM BLVD. 36110-2059

MONTGOMERY, ALABAMA

WWW.ADEM.STATE.AL.US

(334) 271-7700

JAMES W. WARR
DIRECTOR

DON SIEGELMAN
GOVERNOR

April 13, 2001

Ronald M. Levy
BRAC Environmental Coordinator
Environmental Office, 291 Jimmy Parks Blvd.
US Army Garrison
Fort McClellan, Alabama 36205

Facsimiles: (334)
Administration: 271-7950
General Counsel: 394-4332
Air: 279-3044
Land: 279-3050
Water: 279-3051
Groundwater: 270-5631
Field Operations: 272-8131
Laboratory: 277-6718
Mining: 394-4326
Education/Outreach: 394-4383

RE: ADEM's Concurrence on the Final Site Investigation Report and Decision Document,
Former Smoke Area BVZ, Parcel 124(7), March 2001, Fort McClellan, Alabama

Dear Mr. Levy:

The Alabama Department of Environmental Management has received and reviewed the Final Site Investigation Report and Decision Document, Former Smoke Area BVZ, Parcel 124(7), March 2001, Fort McClellan, Alabama. Based on our review, we concur with the submittal and offer no comments for Army review.

For any questions or concerns regarding this matter, please contact me at 334-270-5610 or email at <mailto:sgg@adem.state.al.us>.

Sincerely,

Shannon Golden
Governmental Facilities Section
Hazardous Waste Branch
Land Division

SGG/

cc: Doyle Brittain, EPA Region 4
Ellis Pope, USAC





March 26, 2001

IT Corporation

312 Directors Drive
Knoxville, TN 37923-4799
Tel. 865.690.3211
Fax. 865.690.3626

A Member of The IT Group

IT-MC-CK05-0508
Project No. 774645

Mr. Ellis Pope
U.S. Army Corps of Engineers, Mobile District
Attn: CESAM-EN-GE (Pope)
109 St. Joseph Street
Mobile, Alabama 36602

**Contract: Contract No. DACA21-96-D-0018/CK05
Fort McClellan, Alabama**

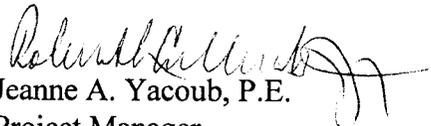
**Subject: Final Site Investigation Report, Former Smoke Area BVZ, Parcel 124(7)
Final Decision Document for the Former Smoke Area, BVZ, Parcel 124(7)**

Dear Mr. Pope:

I am enclosing one copy each of the subject documents. Comments received on the draft SI Report and Decision Document have been incorporated into the final documents. As you will recall, this site was discussed during the February 2001 on-board review meeting at Fort McClellan. During that meeting, the BCT agreed to "No Further Action" and unrestricted land reuse at this site.

At your request, I have distributed copies of these documents as indicated below. If you have questions, or need further information, please contact me at (770) 663-1429 or Steve Moran at (865) 694-7361.

Sincerely,


for Jeanne A. Yacoub, P.E.
Project Manager

Attachments

Distribution: Lisa Kingsbury, FTMC (7 copies, 1 CD)
Philip Stroud, ADEM (2 copies, 1 CD)
Doyle Brittain, EPA Region IV (1 copy, 1 CD)
James Moore, Alabama Geological Survey (1 copy)
Alan Freed, AEC (1 copy)
Bill Garland, FTMC (1 copy)