

ADEM



ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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October 31, 2001

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

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RE: ADEM Review and Concurrence: *Final Site Investigation Report and Decision Document for the 11th Chemical Motor Pool Area, Parcels 29(7), 30(7), and 74(7), dated July 2001, Fort McClellan, Calhoun County, Alabama*

Dear Mr. Levy:

The Alabama Department of Environmental Management (ADEM or the Department) has reviewed the subject *Final Site Investigation Report* and the Army's *Decision Document for the 11th Chemical Motor Pool Area, Parcels 29(7), 30(7), and 74(7), dated July 2001 for Fort McClellan.*

The subject documents were discussed during the Base Realignment and Closure Team (BCT) on-board review meeting on May 10, 2001. During the BCT on-board review meeting, the Department provided its comments on both documents in an interactive manner such that the Army and BCT stakeholders could jointly resolve the Department's comments. The Department's comments are noted in the documented minutes of this meeting.

An overview of the discussion that took place during the May on-board-review meeting is presented below. The following is a paraphrased narrative of the meeting minutes issued by IT Corporation on May 10, 2001:

11th Chemical Motor Pool Area: Parcels 29(7), 30(7), and 74(7)- *In soils, the concentrations of arsenic and four metals (aluminum, chromium, iron, and manganese) exceeded site specific screening levels (SSSLs) but were below their respective background concentrations or within the range of background values. The concentrations of two polynuclear aromatic hydrocarbons (PAHs) compounds (benzo[a]pyrene and dibenzo[a,h]anthracene) exceeded SSSLs in one surface soil sample but were below PAH background values established for the installation. In addition, the benzo(a)pyrene concentration (0.31 milligram per kilogram [mg/kg]) exceeded its SSSL (0.085 mg/kg) in one subsurface soil sample. Given the limited distribution and low concentration of benzo(a)pyrene, this compound is not expected to pose a threat to human health or the environment.*

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*In groundwater, numerous metals were detected at concentrations exceeding both SSSLs and background concentrations. However, the majority of these metals were present in samples that had high turbidity at the time of sample collection. The high turbidity is believed to be the cause of the elevated metals levels, based on results of follow-up sampling. As a potential result of high-turbidity samples, the concentrations of only six metals (aluminum, barium, iron, manganese, thallium, and vanadium) exceeded SSSLs and background concentrations. The concentrations of naphthalene (0.078 milligrams per liter [mg/L]) and 2-methylnaphthalene (0.092 mg/L) exceeded the SSSLs of 0.003 mg/L and 0.025 mg/L, respectively) in one groundwater sample. The sample was collected from a 10-foot-deep temporary well located near an UST excavation. Currently, there is no established EPA drinking water standard for either compound. The concentration of naphthalene, however, is well below its EPA lifetime health advisory value of 0.1 mg/L (U.S. Environmental Protection Agency (EPA), 2000, **Drinking Water Standards and Health Advisories**, Office of Water, Washington, D.C., EPA 822-B-00-001, Summer) and is not expected to yield adverse health effects. An EPA health advisory value does not exist for 2-methylnaphthalene. The hazard index estimated from the SSSL (0.025 mg/L), however, is well below the threshold limit of 1, suggesting that adverse health effects are unlikely. It is concluded that exposure to the two semivolatile organic carbons (SVOCs) in groundwater does not represent an unacceptable human health risk.*

Several metals were detected in site media (primarily surface and depositional soils) at concentrations exceeding ecological screening values (ESVs) and background concentrations. In addition, four PAH compounds (anthracene, benzo[a]pyrene, fluoranthene, and pyrene) were detected in one surface soil sample at concentrations exceeding ESVs but below PAH background screening values.

The site is located in a well-developed portion of the Main Post. Viable ecological habitat is presently limited and is not expected to increase in the installation's future projected land-use scenario. Consequently, the potential threat to ecological receptors is expected to be low.

As discussed in the meeting and as presented in the Final Site Investigation Report and accompanying Decision Document, it appears that this parcel does not pose a risk to potential human and ecological receptors. The Department understands that this Decision Document is an Army-lead document under the signatory approval of the Army. However, the Department concurs with the BCT's recommendation that this site warrants no further action and an unrestricted use designation.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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August 30, 2001

EMAIL & HAND DELIVERY

4WD-FFB

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

SUBJ: Revised Final Site Investigation Report and Decision Document for 11th Chemical Motor Pool Area, Parcels 29(7), 30(7), and 74(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 June 28, 2001, On Board Review Project Team Meeting, 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 black ink, reading "Doyle T. Brittain". The signature is fluid and cursive, with the first name "Doyle" being the most prominent.

Doyle T. Brittain
Senior Remedial Project Manager

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