



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4  
ATLANTA FEDERAL CENTER  
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ATLANTA, GEORGIA 30303-8960

September 27, 2004

EMAIL & US MAIL

4WD-FFB

Mr. Ron Levy  
BRAC Environmental Coordinator  
U.S. Army Garrison/Transition Force  
Environmental Office  
291 Jimmy Parks Boulevard, Bldg. 215  
Fort McClellan, AL 36205-5000

SUBJ: Rev 1 - Final Perchlorate Addendum to the Human Health and Ecological Screening Values and PAH Background Summary Report; Fort McClellan

Dear Mr. Levy:

The Environmental Protection Agency (EPA) has received the subject document requested at our last Project Team Meeting. If you have any questions, please call me at (404) 562-8549.

Sincerely,

Doyle J. Brittain  
Senior Remedial Project Manager

cc: Lisa Holstein, Ft. McClellan  
Philip Stroud, ADEM  
Lee Coker, USA/COE  
Jeanne Yacoub, Shaw Environmental  
Daniel Copeland, CEHNC-OE-DC  
Bernie Case, ALANG  
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## ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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December 14, 2001

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BRAC Environmental Coordinator  
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Fort McClellan, Alabama 36205

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**RE: ADEM Review and Concurrence:** *Final Perchlorate Addendum to the Human Health and Ecological Screening Values and PAH Background Summary Report, Dated August 15, 2001, Fort McClellan, Calhoun County, Alabama Facility ID No. AL4 210 020 562*

Dear Mr. Levy:

The Alabama Department of Environmental Management (ADEM or the Department) has reviewed the above referenced document. In reviewing the document, the Department confirmed that the sampling locations were appropriate. Furthermore, no potential sources of perchlorate were identified that would warrant selection of additional sampling locations. The Department also reviewed sampling methods and ongoing perchlorate investigation activities at certain other federal facilities to confirm the appropriateness of Fort McClellan's results and to verify the appropriateness of Fort McClellan's proposed Human Health Site Specific Screening Levels (SSSLs). The Department notes that Fort McClellan's proposed SSSLs are comparable with Soil Screening Levels (SSLs) established by the Environmental Protection Agency (EPA) Region 9, but are somewhat lower than EPA Region 9 Preliminary Remediation Goals.

Of the 462 soil, groundwater, surface water and sediment samples collected and analyzed by Fort McClellan for this study, perchlorate was detected at measurable levels in only seven samples. Of those seven samples with detections, most indicated relatively insignificant concentration levels with the exception of two groundwater samples that were found to have slightly elevated perchlorate concentrations (.002 and .0026 mg/L) as compared to the proposed SSSL (.0014 mg/L). Both of these samples had concentrations well below the EPA's SSL value for tap water (.01 mg/L).

The limited number and random distribution of perchlorate detections is indicative of the absence of a discrete source of contamination. Furthermore, the results of the two slightly elevated groundwater samples were below EPA's SSL and were within the range of the installation's proposed SSSL.



Mr. Ronald M. Levy  
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Based on the wealth of data collected on this matter, ADEM concurs that perchlorate concentration levels at Fort McClellan pose no significant risk to potential human and ecological receptors. Therefore, ADEM agrees that it appears appropriate to exclude perchlorate as a parameter of concern for future site investigations conducted at Fort McClellan. However, Fort McClellan has proposed collecting four additional surface soil samples at parcel 232Q-X. The proposed list of parameters for these four samples includes perchlorate. Thus, Fort McClellan should follow through with this earlier proposal (dated March 27, 2001) to confirm the absence of perchlorate at the installation.

By way of this letter, the Department is also approving the proposed modifications of the *Human Health and Ecological Screening Values and PAH Background Summary Report*. Please submit three copies of the appropriate revision pages for insertion into the original Background Summary Report so that ADEM may update all file copies. All revised pages, as well as the revised report cover, should indicate the most recent revision number of the document. Likewise, the table of contents should list the historical revisions of the document and present an explanation of each revision.

For any questions concerning this matter, please contact Mr. Philip Stroud at (334) 270-5646 or via email at [pns@adem.state.al.us](mailto:pns@adem.state.al.us).

Sincerely,



Stephen A. Cobb, Chief  
Hazardous Waste Branch  
Land Division

SAC/MH/sep:L:Iserver/Gov Fac Sec./Harrison/FT McClellan/Perchlorate

cc: Mr. Doyle Brittain/EPA Region 4  
Mr. Ellis Pope/USA COE, Mobile District  
Mr. Philip Stroud/ADEM  
Mr. Jim Grassiano/ADEM  
Mr. Mark Harrison/ADEM  
Mr. Joe Gibson/ADEM

File: Fort McClellan/Correspondence, 2001