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LETTER REGARDING CONSTRUCTION DOCUMENTATION INTERIM REMEDIAL ACTION  
UPGRADE AT OPERABLE UNIT 4 (OU 4) NTC ORLANDO FL  
5/9/2001  
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



# Department of Environmental Protection

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Jeb Bush  
Governor

Twin Towers Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

May 9, 2001

Mr. Wayne Hansel  
Code 18B7  
Southern Division  
Naval Facilities Engineering Command  
P.O. Box 190010  
North Charleston, South Carolina 29419-0068

RE: Construction Documentation Report, Interim Remedial Action  
Upgrade at Operable Unit 4, Area C, Naval Training Center,  
Orlando, Florida

Dear Mr. Hansel:

The Department has completed its review of the Construction Documentation Report, Interim Remedial Action Upgrade at Operable Unit 4, Area C, Naval Training Center Orlando, dated March 2001 (received April 3, 2001), prepared and submitted by CH2M HILL Constructors, Inc. The document is adequate for its intent and is accepted as final. I have attached a memorandum from Greg Brown, P.E., with a question and a recommendation for future system startups using this technology.

If I can be of any further assistance with this matter, please contact me at (850)488-3693.

Sincerely,

David P. Grabka  
Remedial Project Manager

cc: Barbara Nwokike, Navy SouthDiv  
Nancy Rodriguez, USEPA Region 4  
Richard Allen, HLA, Jacksonville  
Steve McCoy, Tetra Tech NUS, Oak Ridge  
Steve Tsangaris, CH2M Hill, Tampa  
Bill Bostwick, FDEP Central District

TJB

JJC

ESN

Florida Department of  
**Environmental Protection**

**Memorandum**

**TO:** David Grabka, Remedial Project Manager, Technical Review Section

**THROUGH:** Tim Bahr, P.G., Supervisor, Technical Review Section *TB*

**FROM:** Greg Brown, P.E., Professional Engineer II, *AB*  
Technical Review Section

**DATE:** May 8, 2001

**SUBJECT:** Construction Documentation Report, Interim Remedial Action Upgrade at Operable Unit 4, Naval Training Center Orlando, Florida.

I reviewed the subject engineering document dated March 2001 (received April 3, 2001). Mr. Steven N. Tsangaris, P.E., Florida licensed Professional Engineer No. 47091, is the engineer of record for this engineering document. The subject engineering document is adequate for its intent.

I have one minor question pertaining to Sheet 5, PIC Diagram, and one comment for the record. Are there low level shutoff switches for the groundwater extraction wells should the wells ever pump dry, or is that an unlikely scenario?

No air emissions data are reported although FID monitoring was specified. Raw groundwater VOC concentrations and stripper efficiency leads to a theoretical conclusion that air emissions was not a likely concern. Empirical monitoring data, however, would confirm that theoretical conclusion. In the future, I recommend that air emissions be at least monitored at start-up to confirm assumed system performance and existing conditions.

My review and approval of the subject engineering document are restricted to issues of regulatory compliance and reasonable technical effectiveness based on information provided to the Department by the Navy. They should not be construed as assessments or endorsements of the cost efficiencies of the engineering representations and judgments presented in the subject engineering document. Call me at (850) 488-3935 if you have questions.

  
Gregory M. Brown, P.E.  
Professional Engineer No. 42194  
Expires February 28, 2003  
MAY 8, 2001  
Date