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(804) 445-8637

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JUN 11 1993

CERTIFIED MAIL RETURN RECEIPT REQUESTED

State of North Carolina  
Department of Environment, Health, and Natural Resources  
Division of Solid Waste Management  
Attn: Mr. Peter Burger  
512 North Salisbury Street  
Raleigh, North Carolina 270604

Re: MCB Camp Lejeune; Responses to DEHNR Comments on the  
Preliminary Draft Remedial Action Work Plan for the  
Shallow Aquifer at Hadnot Point Industrial Area MCB Camp  
Lejeune, North Carolina

Dear Mr. Burger:

We have received the DEHNR comments (letter dated  
April 7, 1993) to the subject draft document. The Navy/Marine  
Corps responses to these comments are enclosed.

Any questions concerning these responses should be directed to  
Ms. Linda Berry at (804) 445-8637.

Sincerely,

L. A. BOUCHER, P.E.  
Head  
Installation Restoration Section  
(South)  
Environmental Programs Branch  
Environmental Quality Division  
By direction of the Commander

Encl:

Response to DEHNR Comments on the Preliminary Draft Remedial  
Action Work Plan for the Shallow Aquifer at Hadnot Point  
Industrial Area MCB Camp Lejeune, North Carolina

Copy to:

US EPA Region IV (Michelle Glenn)  
MCB Camp Lejeune (Mr. Neal Paul)

Blind copy to:

1823 (LGB) (2 copies w/encls), 18S, LGBDoc:st30res

ENCLOSURE

RESPONSES TO N.C. DEHNR'S COMMENTS ON THE  
DRAFT REMEDIAL ACTION WORK PLAN  
FOR THE HADNOT POINT INDUSTRIAL AREA  
SHALLOW AQUIFER  
MARINE CORPS BASE CAMP LEJEUNE

1. **Include vinyl chloride as an identified contaminant in the shallow aquifer, page 2-5.**

Response to Comment:

Vinyl chloride has been added as an identified contaminant on the bottom of page 2-5.

2. **Include vinyl chloride in Section 2.5 - Nature and Extent of Contamination, page 2-6.**

Response to Comment:

Vinyl chloride has been added to the discussion on page 2-6.

3. **Include metals removal and a bypass carbon absorption unit, Section 3.1.2, page 3-1.**

Response to Comment:

The text has been revised as requested. Section 3.1.2 now includes a brief discussion of the inorganic removal system (polymer feed system with flocculation tank followed by solids settling, and filtration). The section also indicates that carbon adsorption with bypass piping will be included in the system.

4. **Add vinyl chloride as a contaminant of concern in first paragraph of Section 3.2 on page 3-2. Include permit requirements of the NPDES permit administered by the NC Dept. of Environmental Management to the second paragraph on page 3-2.**

Response to Comment:

Vinyl chloride has been added as a contaminant of concern. Section 3.2 now indicates that the treatment system effluent will comply with the State NPDES permit requirements.

5. **Include vinyl chloride criteria on Table 3-1, page 3-3.**

Response to Comment:

Criteria for vinyl chloride has been added to Table 3-1.

6. **Add a contractor responsibility to Section 4.1, page 4-1 - establish reporting procedures with the NC Superfund Section and USEPA.**

Response to Comment:

The text has been revised in Section 4.1 - a bullet has been added stating that the contractor will establish reporting procedures with the NC Superfund Section and USEPA.

7. **Update Section 4.3 (Equipment Procurement), page 4-2, to include metals removal and bypass carbon absorption units.**

Response to Comment:

Section 4.3 has been revised to include the equipment required for the metals removal and carbon absorption systems.

8. **Provide USEPA and NC Superfund Section notice of meetings and invitations to attend. Sections 4.5, 4.7.1, and 4.7.3.**

Response to Comment:

The text has been revised to indicate that the USEPA and NC Superfund Section will be included in the meetings and inspections mentioned in Section 4.0.

9. **Indicated that system performance will be based on the results of the "30 days of Operational Test Data", Section 4.8, page 4-5.**

Response to Comment:

Section 4.8 has been revised to indicate that the performance of the system will be based on the 30 days of operational test data.

10. **Contact the NC Superfund Section to discuss frequency of sampling events for the short-term and long-term sampling.**

Response to Comment:

Sections 7.1 and 7.2 indicate the short-term or start-up, and long-term sampling requirements.

11. **Include metals removal unit and carbon absorption unit to Figure 7-1. Sampling ports at the influent to the system, after the oil/water and metals removal components, and after both the air stripper, and the carbon unit.**

Response to Comment:

Figure 7-1 has been revised as per the comment.