

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director



07.01 - 6/28/94 - 00470

TO: Camp Lejeune Operable Unit 2 RD/RA File
FROM: Patrick Watters *ew*
SUBJECT: Liquid and Gaseous Effluent Release Requirements
Date: June 28, 1994

This memo is written to clarify the regulatory requirements for the liquid and gaseous effluents associated with the groundwater remedial actions being designed for Camp Lejeune Operable Unit 2. These conclusions are based on conversations with various personnel within the NC Superfund Section and the DEHNR - Wilmington Regional Office. These regulatory discussions were the result of telephone inquiries made by LANTDIV (U. S. Navy) and OHM Remediation Services (Baker subcontractor).

Liquid Effluent

The effluent (design) requirements for the pump and treat system are as given in Table 11 (Page 53) of the Record of Decision. This table lists the various contaminants of concern (VOCs and metals) with the appropriate effluent release level ($\mu\text{g/L}$). The DEHNR - Wilmington Regional Office indicated they would establish a sampling station to monitor the effluent. I inquired about other water quality issues such as dissolved oxygen, TSS, TDS, etc. and these were not a concern. It was noted that if, for example, dissolved oxygen was a concern, that this could be handled with a minor system modification (blower, outfall modifications, etc.) and would not be considered a noncompliance.

Gaseous Effluent

The NC Air Quality regulations (15 NCAC 2D.0518) do not impose limits on the gaseous effluent being released from air strippers used to remediate groundwater. The only requirement is that the release rates be calculated and that the air stripper be registered with the State.

cc: Jack Butler
Linda Berry *P.E.* (LANTDIV)



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Division of Environmental Management
512 North Salisbury Street • Raleigh, North Carolina 27611

James C. Martin, Governor
S. Thomas Rhodes, Secretary

December 15, 1988

R. Paul Wilms
Director

MEMORANDUM

TO: Regional Supervisors, Air Permit Branch Staff
FROM: R. Paul Wilms, Director *RA*
SUBJECT: Air Permitting of Air Stripping Projects - Revised Policy

This memo replaces my previous attached memo dated June 5, 1987. To purify materials and groundwater contaminated with volatile organic compounds many sources want to use air stripping techniques. This Division is requiring registration of air stripping projects under regulation 15 NCAC 2D .0202. No air permit is currently needed under 15 NCAC 2H .0600. The regions should receive, review, and respond by letter to the registration requests.

Also, please note that regulation 15 NCAC 2D .0518 Miscellaneous Volatile Organic Compounds does not apply to air stripping since the VOC's are not being used as a solvent. Regulation 15 NCAC 2D .0522 Control and Prohibition of Odorous Emissions does apply. In the future, potential air toxic regulations alone could require air permitting of air stripping projects; although, the section is also considering new regulations aimed specifically at air stripping.

If you have questions, please contact Mike Sewell, Air Permits Branch at 733-3340.

RPW/1a

- cc: Dr. George Everett
- Mr. Perry Nelson
- Mr. Ogden Gerald
- Mr. Mike Sewell
- Mr. Bill Meyer, DHR