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Division WASTE MANAGEMENT

Section SUPERFUND

Program IHS (IHS)

DocCat FACILITY



ENGINEERING & ENVIRONMENTAL SCIENCE COMPANY

3008 ANDERSON DRIVE, SUITE 102

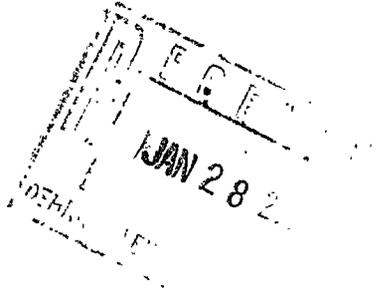
RALEIGH, NC 27609

January 28, 2005

(919) 781-7798

Mr. Jim Roush
Raleigh Regional Office
3800 Barrett Dr.
Raleigh, NC 27609

Re: E. W. Williams Facility
8200 Fayetteville Road
Raleigh, Wake County
Inc. No. 87142, Rank: 555A



Dear Mr. Roush:

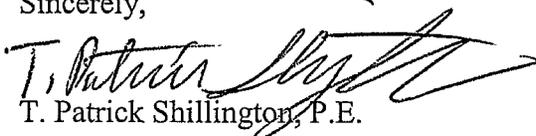
This week Engineering & Environmental Science Company (E²S) has been authorized to conduct the additional work for the above referenced site. Mr. Williams has had serious health problems and has not been able to respond until recently.

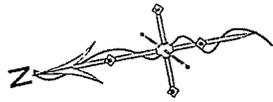
Based on additional information obtain that was conducted by F & R and Catlin & Ass., additional monitoring wells (at least 5 wells) and several soil borings will be conducted at the site.

We plan to complete the additional work by the end of April.

Please contact me if you have any questions.

Sincerely,


T. Patrick Shillington, P.E.
President



Scale: 1"=60'

US HWY 401 Southbound

Property Lines

MW-1
87.73

87.5

87.0

87.5

87.0

86.5

86.0

85.5

85.0

NW-4
86.93

Dumpster
84.5

Daddy's Road

Approximate Area
of Septic
Lateral Field

Office Area

86.5

84.0

83.5

NW-2
83.29

83.5

Warehouse

86.0

84.0

Parts Washer

Air Compressor Shed

WSW

84.5

85.0

85.5

Concrete Pad

Underground pipe
Exact location and
direction unknown

- 1- Motor Oil AST
- 2- Hydraulic Fluid AST
- 3- Used Oil AST

Shed

NW-3
85.93

Discharge Area
for wash pad

Legend

MW-1

Monitoring Well Location (By others)

55 Gallon Drums

Monitoring Well Location (By E2S)

Groundwater Contours (11/7/03)

Existing Supply Well



ENGINEERING & ENVIRONMENTAL
SCIENCE COMPANY

3008 ANDERSON DR., SUITE 102
RALEIGH, NORTH CAROLINA 27609

(919) 781-7798

GROUNDWATER CONTOURS

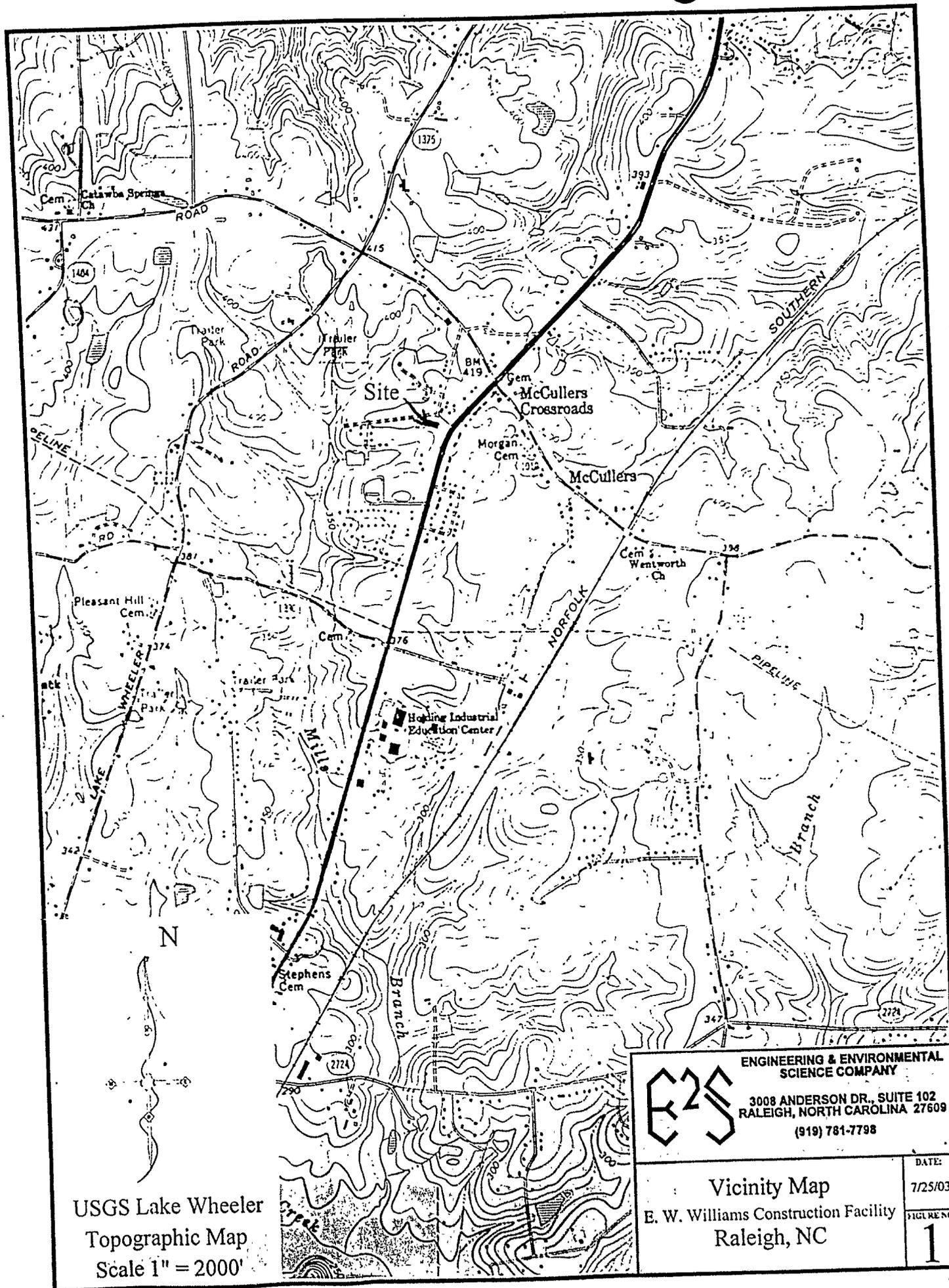
E.W. Williams Construction Facility

8200 Fayetteville Rd.
Raleigh, NC

DATE:
5/25/04

FIGURE NO.
5

E2S



USGS Lake Wheeler
 Topographic Map
 Scale 1" = 2000'

 ENGINEERING & ENVIRONMENTAL SCIENCE COMPANY 3008 ANDERSON DR., SUITE 102 RALEIGH, NORTH CAROLINA 27609 (919) 781-7798		DATE:
		7/25/03
Vicinity Map E. W. Williams Construction Facility Raleigh, NC		FIGURE NO:
		1

E2S

Incident Name: WILLIAMS, E-W. FACIL - Region/County RAL/WAKE

GW Incident File #: 87142 Date: 9/28/04

**NORTH CAROLINA
GROUNDWATER CONTAMINATION INCIDENT MANAGEMENT
SITE PRIORITY RANKING FORM**

(To be completed by a North Carolina Licensed Geologist/Professional Engineer or by the appropriate Regional Office)

	Points Awarded
I. IMMINENT HAZARD ASSESSMENT	
A. Vapor Hazard - free product in confined areas or vapor phase contamination detected at or above 20% of the lower explosive limit or at health concern levels; award 50 points total	<u>0</u>
B. Fire Hazard - free product subject to ignition in exposed areas such as surface water impoundments, streams, excavations, etc.; award 50 points total	<u>0</u>
II. EXPOSURE ASSESSMENT	
A. Contaminated Water Supplies	
1. Private domestic water supply well containing substances in concentrations exceeding 15A NCAC 2L groundwater quality standards; award 10 points per well	<u>10</u>
2. Public or institutional water supply well containing substances in concentrations exceeding 15A NCAC 2L groundwater quality standards; award 20 points per well	<u>0</u>
3. Exceedences of Class WS surface water quality standards as a result of groundwater discharge; award 20 points per surface water body impacted	<u>0</u>
4. Any water supply well identified above that cannot be replaced by connecting to an existing public water supply source; award additional 10 points per irreplaceable well	<u>0</u>
B. Threat to Uncontaminated Drinking Water Supplies	
1. Private, domestic water supply located within 1500 feet down gradient of the discharge or known extent of contamination; award 10 points per well	<u>490</u>
2. Public or institutional water supply located within 1500 feet down gradient of the discharge or known extent of contamination; award 15 points per well	<u>0</u>
3. Raw surface water intake for public water supply located within 1/2 mile down gradient of the discharge or known extent of contamination; award 5 points per water supply system	<u>0</u>
4. Any well or intake identified in items II B. 1 or II B. 2, or II. B. 3 located within 250 feet of the discharge or known extent of contamination; award additional 20 points total (<u>not</u> per well or intake)	<u>20</u>
C. Vapor Phase Exposure	
1. Contaminant vapors detected in inhabitable building(s), but levels are below 20% of the lower explosive limit and health concern levels; award 30 points total.	<u>0</u>

- 2. Contaminant vapors detected in other confined areas (uninhabitable buildings, sewer lines, utility vaults, etc.), but levels are below 20% of the lower explosive limit and health concern levels; award 10 points total

0

III. SOURCE ASSESSMENT

- A. Uncontrolled or Unabated Contaminant Source (including dump sites, stockpiles, lagoons, contaminated soil, septic tanks, land fills, above ground storage tanks, etc.)
 - 1. Suspected or confirmed primary source remains in active use and continues to receive raw product, wastewater or solid waste; award 30 points per source
 - 2. Active use of suspected or confirmed primary source has been discontinued or source was caused by a one-time release of product or waste; however, primary or secondary source continues to release product or contaminants into the environment; award 10 points per source

0

10

IV. ENVIRONMENTAL VULNERABILITY ASSESSMENT

- A. Vertical Contaminant Migration - Literature or well logs indicate that no confining layer is present above bedrock or within twenty feet of land surface; award 10 points total
- B. Horizontal Contaminant Migration - Data or observations indicate that no discharge points or aquifer discontinuities exist between the discharge or known extent of contamination and the nearest down gradient drinking water supply; award 10 points total
- C. Existing Groundwater Quality – The worst case monitoring or supply well contains contaminant levels:
 - 1. At less than 10 times the 2L groundwater standards; award 5 points.
 - 2. Between 10 and 100 times the 2L groundwater standards; award 20 points.
 - 3. Greater than 100 times the 2L groundwater standards; award 40 points.

10

10

5

V. LETTER RANKING

(Put an X on the line next to all conditions that apply)

CATEGORY A (one or more of the following conditions are present)

- 1. One or more water supply wells are contaminated and the person using the wells are not served by an existing public water supply.
- 2. Contaminant vapors are present in confined areas at levels that pose a human health concern or an explosion hazard.
- 3. A treated surface water supply is in violation of the drinking water standards set out in rules adopted by the Commission for Health Services under G.S. 130A-315.

X

CATEGORY B (one or more of the following conditions are present)

- 1. One or more supply wells contaminated but the persons using the wells are served by an existing public water supply.
- 2. One or more supply wells are in use within 1500 feet of the discharge or known extent of contamination, the wells are not contaminated, and the persons using the wells are not served by an existing public water supply.

3. Vapors are present in confined areas but do not currently pose a threat to human health or an explosion hazard.

CATEGORY C (both of the following conditions are present)

1. One or more water supply wells are present at a distance greater than 1500 feet down gradient from the discharge or known extent of contamination, and the persons using the wells are not served by a public water supply.
2. None of the identified wells are contaminated.

CATEGORY D (both of the following conditions are present)

1. One or more wells are present within 1500 feet of the discharge or known extent of contamination, but the persons using the wells are served by an existing public water supply.
2. None of the identified wells are contaminated.

CATEGORY E (both of the following conditions are present)

1. Water supply well(s) are not present within 1500 feet of the discharge or known extent of contamination; and no known water supply wells are contaminated.
2. All persons within 1500' of the discharge or known extent of contamination are served by an existing public water supply.

SITE PRIORITY RANKING 555 A
#/Letter

I, _____ a Professional Engineer / Licensed Geologist (circle one) for _____ (firm or company of employment) do certify that the information used to determine the site priority ranking is correct and accurate to the best of my knowledge.

(Please Affix Seal and Signature)