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Richard Catlin & Associates, Inc.

CONSULTING ENGINEERS AND HYDROGEOLOGISTS

RC&A

June 5, 1987

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JUN 15 1987

Koch Fuels, Inc.  
ATTN: Mr. Jim Strickland  
P. O. Box 3958  
Wilmington, N.C. 28406

GRO. WATER SECTION  
WILMINGTON REGIONAL OFFICE

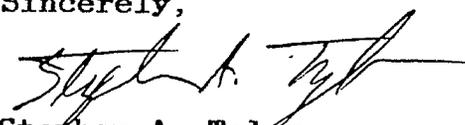
RE: Fuel Oil Recovery Project  
Koch Fuels, Wilmington, NC  
RC&A Project # 8729

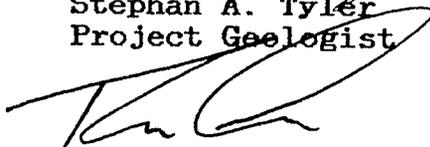
Dear Mr. Strickland:

Attached is our monthly monitoring report concerning the free product recovery site in the north project area of the Koch Fuel terminal, Wilmington, N. C. Figure 1 illustrates the water table contours compiled from the monitoring well data. The estimated extent of free floating product at this site is shown on Figure 2. An additional copy is enclosed for you to forward to Mr. Rick Shiver, P.G., of the N. C. Division of Environmental Management, 7225 Wrightsville Avenue, Wilmington, N. C. 28403-3696.

If you have any questions or requests, please do not hesitate to contact our office. We will continue to monitor the site and report to you again next month.

Sincerely,

  
Stephan A. Tyler  
Project Geologist

  
Richard G. Catlin, P.E., P.G.  
President

Enclosures

SAT/nd

MONTHLY MONITORING REPORT

SITE: KOCH FUELS, INC., MONITORING FOR FUEL OIL RECOVERY

RC&A PROJECT #: 8729

MONITORING INTERVAL: SEMI-MONTHLY (REPORT MONTHLY)

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1) WATER TABLE SURFACE:

OBSERVATIONS: As illustrated on Figure 1, the surficial water table at the site flows toward the northwest to the Cape Fear River.

2) CONTAMINATION PLUME:

A) OBSERVATIONS: The monitoring well data from our visit on 5/27/87 indicates free floating product in three areas (see Figure 2).

Plume "A" - Free floating product was found in monitoring wells #107, #111, #112, #113, #114, #115, #116 and recovery well #RW-3.

Plume "B" - In monitoring well #124, 0.03' of free floating product was measured.

Plume "C" - The well data indicates 0.30' of free product was found in monitoring well 103A.

B) DISCUSSION:

Plume "A" - Ground water flow is apparently directing this contamination toward the recovery well RW-3. The dewatering efforts around RW-3 should be most effective in capturing Plume "A" free floating product.

Plumes "B" and "C" - Free floating product accumulating in monitoring wells 103A and 124 will be removed by manually bailing the wells.

Sheet 1 of 2

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3) RECOVERY PROGRESS:

- A) **OBSERVATIONS:** The recently installed recovery well #RW-3 has been fully functional and operating successfully since 4/30/87. On 6/2/87, 0.23' of recovered product was noted in the on-site recovery tank.
- B) As long as the recovery system is properly maintained and adjusted, successful recovery of free floating product should continue.

CALCULATED BY: SAT  
DATE: 6/4/87

CHECKED BY: RGC  
DATE: 6/5/87

Sheet 2 of 2

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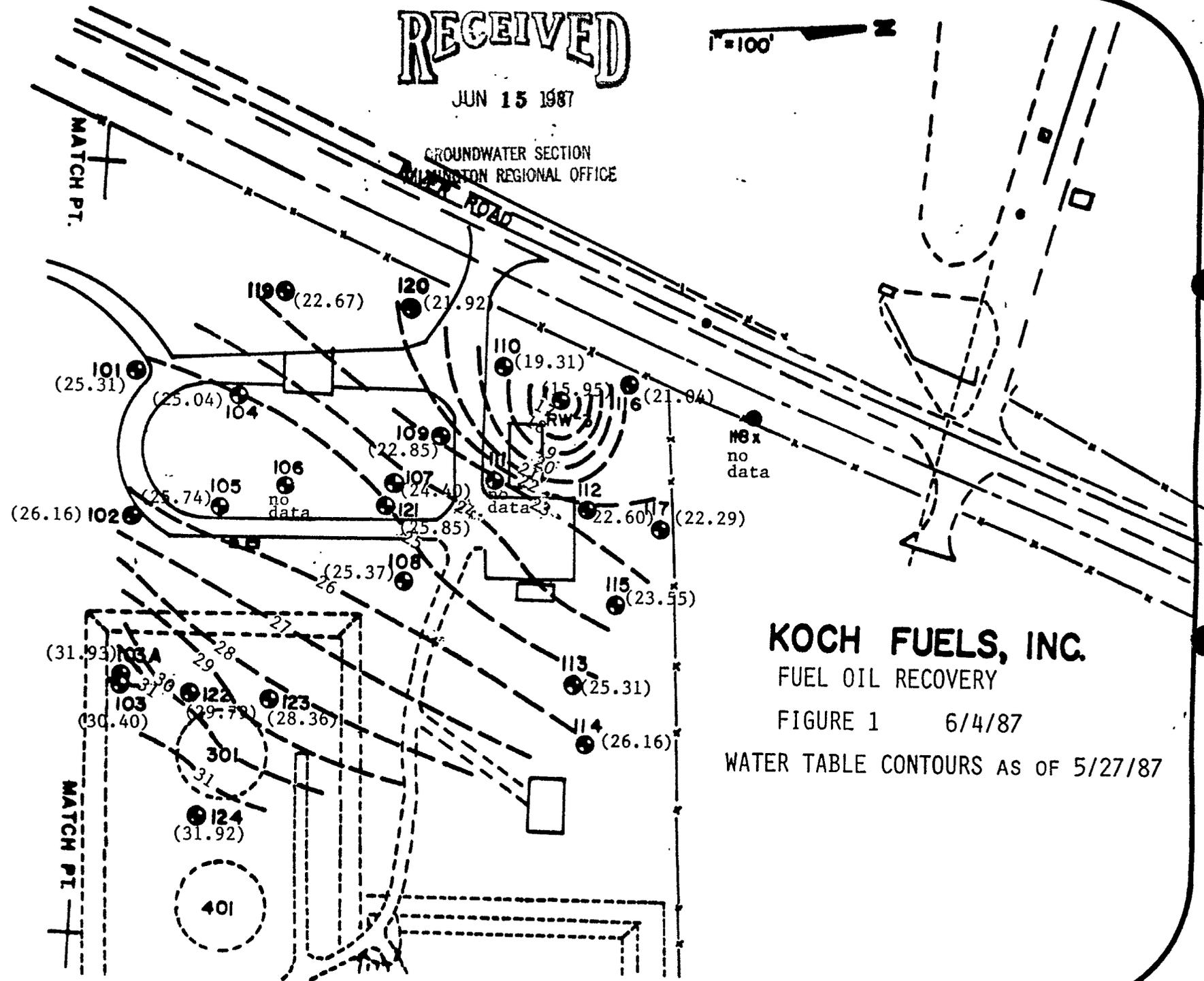
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1" = 100'

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MATCH PT.



**KOCH FUELS, INC.**

FUEL OIL RECOVERY

FIGURE 1 6/4/87

WATER TABLE CONTOURS AS OF 5/27/87

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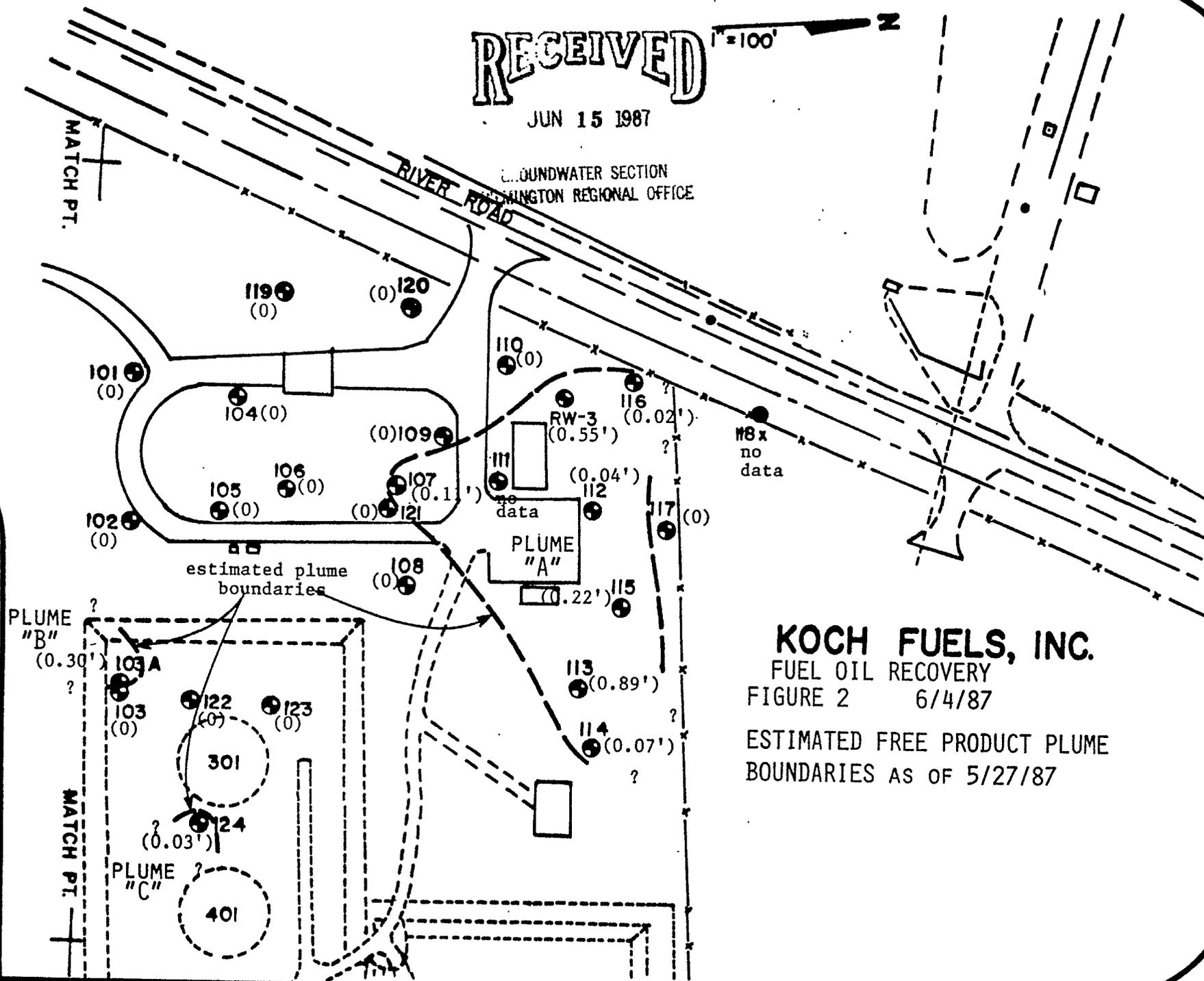
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1" = 100'



MATCH PT.

RIVER ROAD



**KOCH FUELS, INC.**  
 FUEL OIL RECOVERY  
 FIGURE 2 6/4/87  
 ESTIMATED FREE PRODUCT PLUME  
 BOUNDARIES AS OF 5/27/87

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