NJDEP CERTIFICATION NO. 20477
PO BOX 368, KENILWORTH, N.J. 07033 (908)241-5040 fax(908)241-5356

ANALYTICAL DATA REPORT
NO. 14931

PROJECT: FEDERAL REFINING
55-71 RIVERSIDE AVENUE BLDG 16
NEWARK, NEW JERSEY 07104

prepared for

ANALYTICAL TESTING LABORATORIES
840 COLFAX AVENUE
KENILWORTH, NEW JERSEY 07033-0368

Date Sampled: August 1, 1995

Report Date: August 25, 1995

Rose M. Kopih

Rose M. Kopih
Director

531132

ANALYTICAL TESTING LABORATORIES
840 COLFAX AVENUE, P.O. BOX 368, KENILWORTH, NJ 07033-0368
PHONE 908-241-5040 • FAX 908-241-5356

14931

CHAIN OF CUSTODY

LAB CODE #

NJDEPE ID NO. 20477

PROJECT NAME: FEDERAL REFINING

SAMPLERS: Marc Paskowé Larry Saunders

SAMPLE NO.	DATE	TIME	SOIL	AQ.	DESCRIPTION (LOCATION)	No. Bottles	BOD/TSS	COD	METALS Pb	VOLATILES	CYANIDES	TPHC	OIL/GREASE	TOC	SEMI-VOLATILES	PEST/PCBs					
	8/1/95	755 am	X		#1C 26" Depth	1			X												
		703	X		2C 30" Depth	1															
		712	X		3C 36" Depth	1															
		721 am	X		4C 36" Depth	1															
		723	X		5C 36"	1															

Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Received in Lab by: (Signature)
[signature]	8/1/95 905 am	Eileen Zullo	8-1-95 1000 am	Eileen Zullo

Comments: Second Round Sampling 30-36" Lead Only - Soil Borings Delineation Heavy Rock, gravel layers

ISRA X

Turnaround: Standard _____ Rush _____

ANALYTICAL TESTING LABORATORIES

NJDEP CERTIFICATION NO. 20477

Analytical Testing Report NO. 14931
Federal Refining/Analytical Testing

SAMPLE IDENTIFICATION

SAMPLE NUMBER	CLIENT DESIGNATION	DATE SAMPLED	TIME	MATRIX
14931-01	1 C 26"	08/01/95	07:53	soil
14931-02	2 C 30"	08/01/95	07:03	soil
14931-03	3 C 36"	08/01/95	07:12	soil
14931-04	4 C 36"	08/01/95	07:21	soil
14931-05	5 C 36"	08/01/95	07:33	soil

Analytical Testing Report No. 14931
FEDERAL REFINING/ANALYTICAL TESTING LABORATORIES

NONCONFORMANCE SUMMARY

METALS

Several samples required dilution to bring the analyte concentrations within calibration range.
The samples were analyzed by graphite furnace USEPA SW846, November 1986, Third Edition, Method 7000 Series, "Atomic Absorption Methods".
There were no other non-conformances associated with these analyses.

I have reviewed this analytical report and it is compliant with all Analytical Testing Laboratories quality assurance requirements other than those specified above.

Rose M Koplin
Rose M. Koplin
Director

8/24/95
Date

Analytical Testing Report No. 14931
Federal Refining/Analytical Testing Laboratories

METALS ANALYSIS

SAMPLE NO: 14931-01
SAMPLE ID : 1 C 26"
SAMPLE DATE: 08/01/95
TS = 84%
MATRIX: SOIL

ANALYTE	RESULT	q	MDL	DF
LEAD (Pb)	16.0		62.5	25.0

MDL = METHOD DETECTION LIMIT
q = QUALIFIER
J = DETECTED ABOVE IDL BUT BELOW MDL
B = DETECTED IN BLANK

RESULTS ARE IN mg/Kg(PPM)

Analytical Testing Report No. 14931
Federal Refining/Analytical Testing Laboratories

METALS ANALYSIS

SAMPLE NO: 14931-02
SAMPLE ID : 2 C 30"
SAMPLE DATE: 08/01/95
TS = 86%
MATRIX: SOIL

ANALYTE	RESULT	q	MDL	DF
LEAD (Pb)	629		62.5	25.0

MDL = METHOD DETECTION LIMIT
q = QUALIFIER
J = DETECTED ABOVE IDL BUT BELOW MDL
B = DETECTED IN BLANK

RESULTS ARE IN mg/Kg(PPM)

ANALYTICAL TESTING LABORATORIES

NJDEP CERTIFICATION NO. 20477

Analytical Testing Report No. 14931
Federal Refining/Analytical Testing Laboratories

METALS ANALYSIS

SAMPLE NO: 14931-03
SAMPLE ID : 3 C 36"
SAMPLE DATE: 08/01/95
TS = 86%
MATRIX: SOIL

ANALYTE	RESULT	q	MDL	DF
LEAD (Pb)	631		62.5	25.0

MDL = METHOD DETECTION LIMIT
q = QUALIFIER
J = DETECTED ABOVE IDL BUT BELOW MDL
B = DETECTED IN BLANK

RESULTS ARE IN mg/Kg(PPM)

NJDEP CERTIFICATION NO. 20477

Analytical Testing Report No. 14931
Federal Refining/Analytical Testing Laboratories

METALS ANALYSIS

SAMPLE NO: 14931-04
SAMPLE ID : 4 C 36"
SAMPLE DATE: 08/01/95
TS = 88%
MATRIX: SOIL

ANALYTE	RESULT	q	MDL	DF
LEAD (Pb)	518		62.5	25.0

MDL = METHOD DETECTION LIMIT
q = QUALIFIER
J = DETECTED ABOVE IDL BUT BELOW MDL
B = DETECTED IN BLANK

RESULTS ARE IN mg/Kg(PPM)

ANALYTICAL TESTING LABORATORIES

NJDEP CERTIFICATION NO. 20477

Analytical Testing Report No. 14931
Federal Refining/Analytical Testing Laboratories

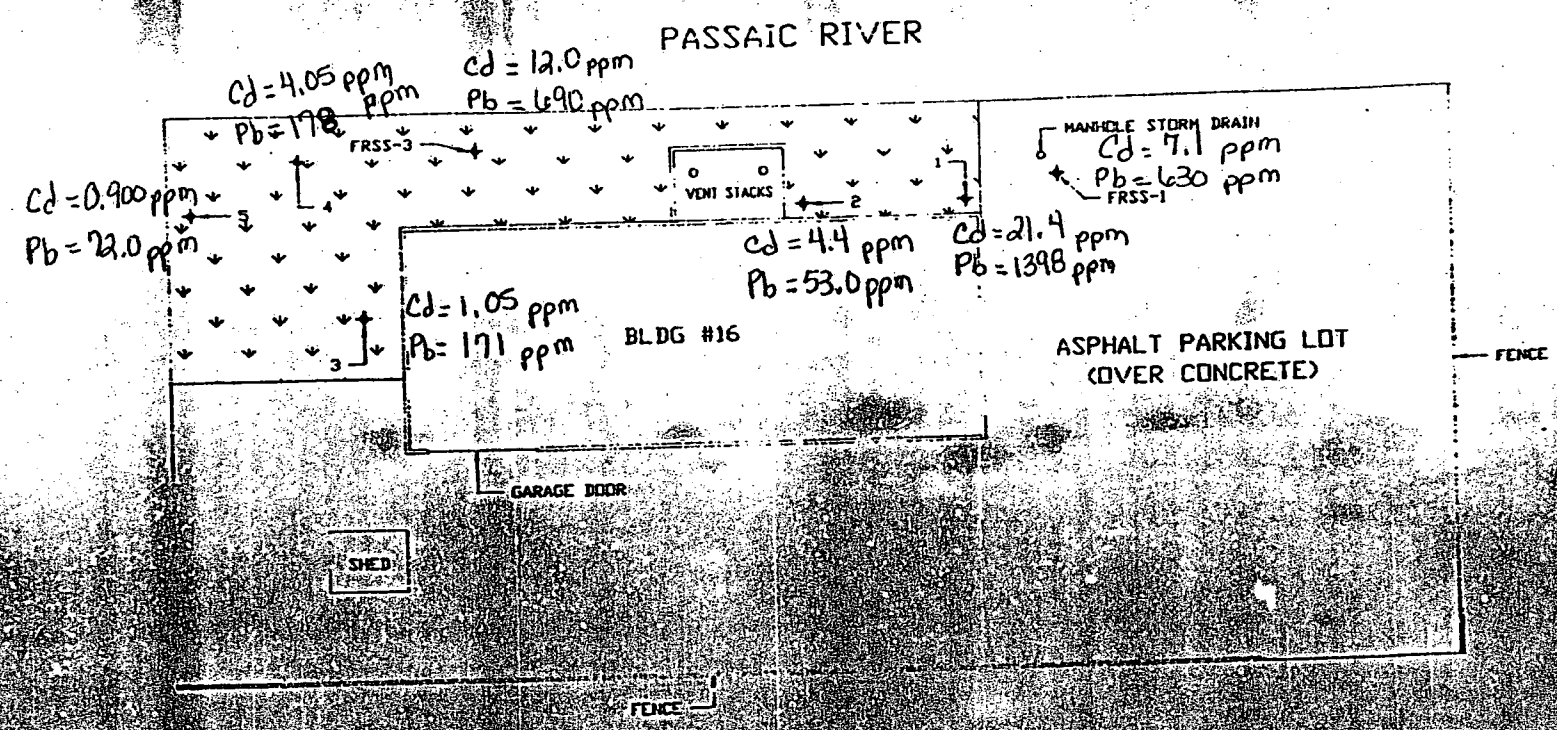
METALS ANALYSIS

SAMPLE NO: 14931-05
SAMPLE ID : 5 C 36"
SAMPLE DATE: 08/01/95
TS = 91%
MATRIX: SOIL

ANALYTE	RESULT	q	MDL	DF
LEAD (Pb)	479		62.5	25.0

MDL = METHOD DETECTION LIMIT
q = QUALIFIER
J = DETECTED ABOVE IDL BUT BELOW MDL
B = DETECTED IN BLANK

RESULTS ARE IN mg/Kg(PPM)



RESULTS TABLE FROM FEDERAL REFINING mg/kg (ppm)

1A	1B	1C	2A	2B	2C	3A	3B	3C	4A	4B	4C	5A	5B	5C	SAMPLE NO.
0-6"	12"-18"	26"	0-6"	12"-18"	30"	0-6"	12"-18"	36"	0-6"	12"-18"	36"	0-6"	12"-18"	36"	DEPTH
21.4	6.5	----	4.4	3.75	----	1.05	4.80	----	4.05	23.8	----	0.900	4.20	----	Cd
54.0	50.5	----	298	264	----	79.9	102	----	87.9	94.3	----	73.6	66.6	----	Cu
1398	1147	1640	53.0	740	629	171	844	631	178	862	518	72.0	643	479	Pb
8[illegible]	758	----	840	65.0	----	633	40.3	----	132	595	----	46.2	177	----	Zn

AVG = 780

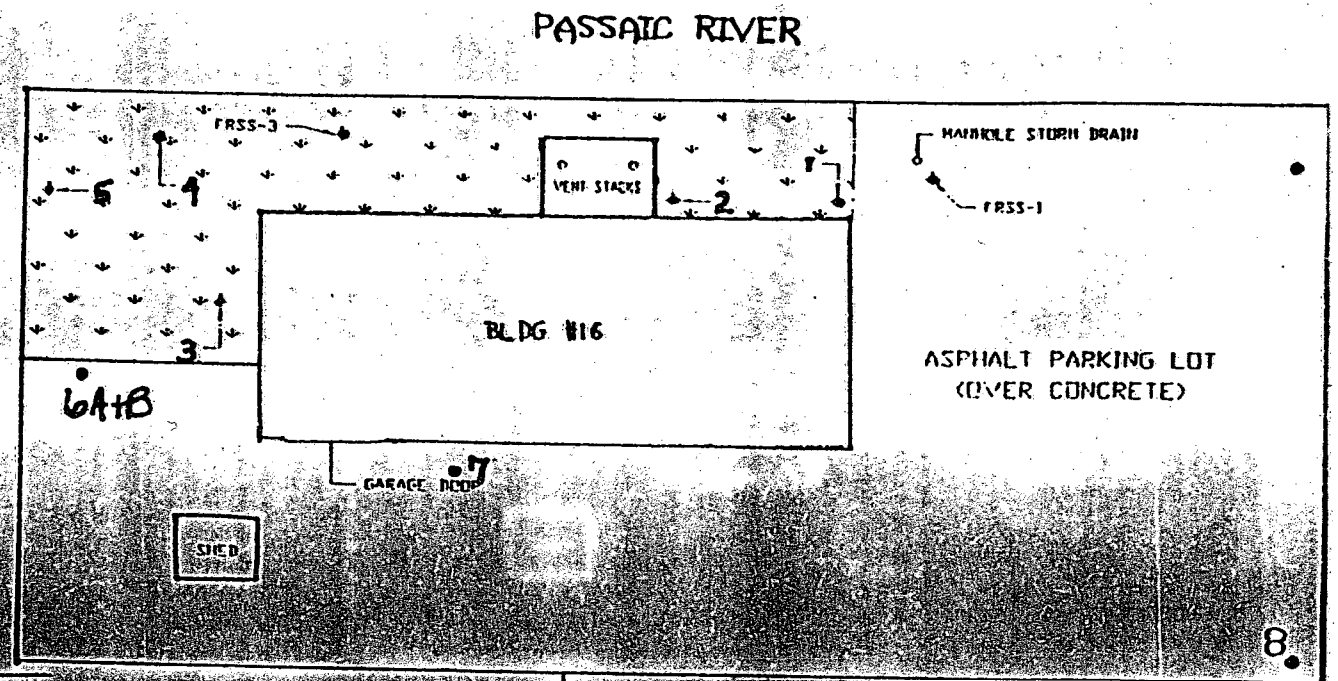
NOTE: THIS IS A COMPUTER GENERATED DR
ALL CHANGES SHOULD BE MADE ON AUTO

ANALYTICAL TESTING LABOR
840 COLFAX AVE., KENILWORTH, N
NJDEP 20477

FEDERAL REFINING
55-71 RIVERSIDE AVE, BLDG 16, NEWA
DEED RESTRICTION EXHIBIT

SIZE: B	TOLERANCES UNLESS OTHERWISE SPECIFIED: 2 PLC DEC +/- .03, 3 PLC DEC +/- .010	GA
DRAWING SCALE: 1/16" = 1'-0"	DRAWING NO. FR-090195	DATE: SEPT

00027
00034



NOTE: THIS IS A COMPUTER GENERATED DRAWING
ALL CHANGES SHOULD BE MADE ON AUTOCAD

ANALYTICAL TESTING LABORATORIES
840 COLFAX AVE. KENILWORTH, N.J. 07033
NJDEP 20477

FEDERAL REFINING
55-71 RIVERSIDE AVE. BLDG 16, NEWARK, NJ 07104
DEED RESTRICTION EXHIBIT B

SIZE: B	TOLERANCES UNLESS OTHERWISE SPECIFIED: 2 PLC DEC +/- .03, 3 PLC DEC +/- .010	DRAWN BY: GARY BELL
DRAWING SCALE: 1/16" = 1'-0"	DRAWING NO. FR-090195	DATE: SEPTEMBER 1, 199[illegible]

RESULTS TABLE FOR FEDERAL REFINING DEED OF ENVIRONMANTAL RESTRICTION (PPM)

1A	1B	1C	2A	2B	2C	3A	3B	3C	4A	4B	4C	5A	5B	5C	6A	6B	7	8	9	SAMPLE NO
0-6"	12-18"	26"	0-6"	12-18"	30"	0-6"	12-18"	36"	0-6"	12-18"	36"	0-6"	12-18"	36"	48"	96"	48"	48"	48"	DEPTH
21.4	6.5	—	4.4	3.75	—	1.05	4.80	—	4.05	23.8	—	0.90	4.20	—	2.29	3.07	4.75	1.67	2.02	CADMIUM
1398	1147	1640	55.8	740	629	171	844	631	178	862	518	72.0	643	479	237	219	462	518	683	LEAD