PROJECT REPORT HOIST OVER-EXCAVATION GOODYEAR AUTO SERVICE CENTER GASC # 9578 3430 Castro Valley Blvd. Castro Valley, California

Prepared by

Stanley L. Klemetson, Ph.D., P.E. SEMCO / HK2, Inc. 1751 Leslie Street San Mateo, California 94402 (415) 572-8033 (415) 572-9734 Fax

SEMCO / HK2, Inc. # 96-0121

June, 1996

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SEMCO/HK2, Inc.

Project No. 96-0121

GOODYEAR, GASC # 9578 Castro Valley, California

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PROJECT REPORT June, 1996

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PROJECT REPORT

EXECUTIVE SUMMARY

The purpose of this project was to over-excavate a contaminated hoist pit from a Goodyear store located at 3430 Castro Valley Blvd., Castro Valley, California (GASC #9578). The hoist cylinder and associated equipment had been previously removed. The pit was over-excavated by SEMCO / HK2, Inc. on April 12, 1996. Samples from the pit were analyzed for total extractable petroleum hydrocarbons (TEPH), nickel, zinc, chromium, cadmium, and lead. Analytical results were less than laboratory detection limits or well below the action level. The site was backfilled with clean material and resurfaced to match existing. No further actions are recommended for this site. The supporting documentation for this closure report can be found in Exhibits A through E.

1.0 REPORT DATE

June 1996.

2.0 SUBMITTED TO

Alameda County Department of Environmental Health 1131 Harbor Bay Parkway, Suite 250 Alameda, California 94502

3.0 OWNER NAME

Joe Smerglia
Principal Engineer
Goodyear Tire & Rubber Company
1144 East Market Street, Dept. 110F
Akron, OH 443116-0001
(216) 796-7898 Direct
(216) 796-2121 Office
(216) 796-6459 Fax

Jim O'Neil Real Estate Manager Goodyear Tire & Rubber Co. North West Region 1800 Merced Street San Leandro, CA 94577 (510) 667-4250 (510) 667-4249 Fax

4.0 LOCATION OF PROPERTY (OPERATOR)

Rynck Tire & Brake 3430 Castor Valley Blvd. Castro Valley, CA 94546

Please see Exhibit B for site location map.

5.0 ON-SITE PERSONNEL

For the Contractor: (See Exhibit C)

Stanley Klemetson SEMCO / HK2, Inc. 1751 Leslie Street San Mateo, CA 94402 (415) 572-8033 Phone (415) 572-9734 Fax

6.0 SCOPE AND CONDITIONS

This report is intended to document the over-excavation of a hydraulic hoist pit. Its is a summary of observations, disposal receipts, laboratory reports, and other relevant documents.

This report is being submitted on behalf of the client, Joe Smerglia, Principal Engineer and Jim O'Neil, Real Estate Manager, GOODYEAR TIRE & RUBBER COMPANY, and to the best of our knowledge, it fairly and accurately describes the activities that occurred during the period of time covered by the report. SEMCO / HK2, Inc. personnel were onsite during the over-excavation operations; soil samples were taken by our own personnel

and submitted to qualified testing laboratories for their independent analyses and written reports.

7.0 LOCATION OF THE HOIST PIT ON PROPERTY

The hoist pit was located within the property line of the site and inside the structure.

8.0 HOIST SYSTEM DATA

Hoist Number	Date Installed	Size (gal)	Туре	Contents	Status
1	Unknown	Unknown	Unknown	Hydraulic Fluid	Removed

9.0 SITE HISTORY

The in ground hydraulic hoist was used for automobile service operations. The hoist was removed at an earlier date. The site is still being used as an automobile service operation.

10.0 NOTIFICATION AND PERMITS

This site is currently under the authority of Alameda County. Since this was an over-excavation and not a removal, permits were not required.

11.0 OVER-EXCAVATION CHRONOLOGY

On April 12, 1996 the following activities occurred:

- The hoist pit was dewatered into 55-gallon drums.
- A backhoe was used to over-excavate the pit.
- The excavated contaminated soil was stockpiled on site.
- After the contaminated soil was removed from the hoist pit, samples were retrieved with the backhoe bucket at a depth of 10 feet.
- The excavation pit was backfilled with clean soil and surfaced to match existing.
- Evergreen Environmental transferred the contents of the 55-gallon drums to one of their transport tankers and recycled it at their facility.
- The stockpiled soil was transported to REMCO for treatment.
- The soil samples were taken to North State Environmental for analysis.

12.0 VISUAL OBSERVATIONS

The over-excavated contaminated soil was discolored with hydraulic oil.

13.0 SAMPLING PROCEDURES

Oil soil sample from the excavation and one from the stockpiled soil were collected by SEMCO / HK2 personnel. A backhoe bucket was used to retrieve soil from the hoist pit at a depth of 10 feet. A two inch diameter brass tube was inserted into the soil in the bucket to collect the soil sample. The ends of the brass tubes were covered with Teflon tape and secured with plastic end caps. Samples were logged on a chain-of-custody form, placed in an ice chest that was maintained at 4° C with blue ice, and then transported to North State Environmental for analysis. Additional details can be found on the chain-of-custody form in Exhibit D.

14.0 SAMPLE SCREENING

Since the contamination was visually evident, sample screening, using field instrumentation, was not necessary.

15.0 LABORATORY FINDINGS

Samples, while still on ice, were delivered to:

North State Environmental Analytical Laboratory
P. O. Box 5624
90 Spruce Street
South San Francisco, CA 94080
415-588-9652

an independent laboratory selected to perform the required analyses. The table, below, summarizes the laboratory results, All sample documentation is included in Exhibit D.

Table 1 Summary of Soil Sampling Results Rynck Tire Store (Goodyear Service Center #9578) Located at 3430 Castro Valley Blvd., Castro Valley, California

No	Sample L.D. Number	Date Collected	TEPH (mg/Kg)	Nickel (mg/Kg)	Zinc (mg/Kg)	Chromium (mg/Kg)	Cadmium (mg/Kg)	Lead (mg/Kg)
1	Spoils Pile	4/5/96	14,000	34	93	21	ND	16
2	#1 Hoist - 10'	4/12/96	220	NA	NA	NA	NA	NA

ND = Not Detected NA = Not Analyzed

16.0 RE-EXCAVATING AND RE-SAMPLING

Since the analytical results from the excavation pit sample was less than the action levels, no additional sampling was needed.

17.0 BACKFILLING

Clean backfill was placed in the excavation. The fill was compacted with a hydraulic compactor. After the fill was compacted to subgrade, the area was resurfaced to match existing.

18.0 DISPOSAL

18.1 EXCAVATED SOIL

A total of 16.6 tons of soil were off hauled to a soil recycler. The name and address of the recycler was:

REMCO 2717 Goodrick Avenue Richmond, California 94801

The name and address of the transporter was:

Rich Hamilton Trucking. 1336 Pauline Avenue Modesto, California 95351

18.2 LIQUIDS

The liquids removed from the hoist pit were temporarily stored in a 55-gallon drum. Evergreen Environmental transferred the drum's contents to one of their transport tankers for recycling at their facility. Evergreen Environmental is located at: 7200 Central Avenue, Newark, California. Their telephone number is (510) 795-4400. Manifesting was not required since this is a recyclable waste.

19.0 CONCLUSIONS

We feel that the procedures, methods, and tests required by law and by good commercial practice have been carried out in a proper manner. The contaminated soil and liquids were properly removed from the site and disposed of. The sample results from the hoist pit were less than the laboratory's detection limits or were within regulatory limits. No further action is recommended.

EXHIBIT A

COMMUNICATION

Since this was just an over-excavation, permits were not required.

EXHIBIT B

MAPS & DRAWINGS

Site Location Map

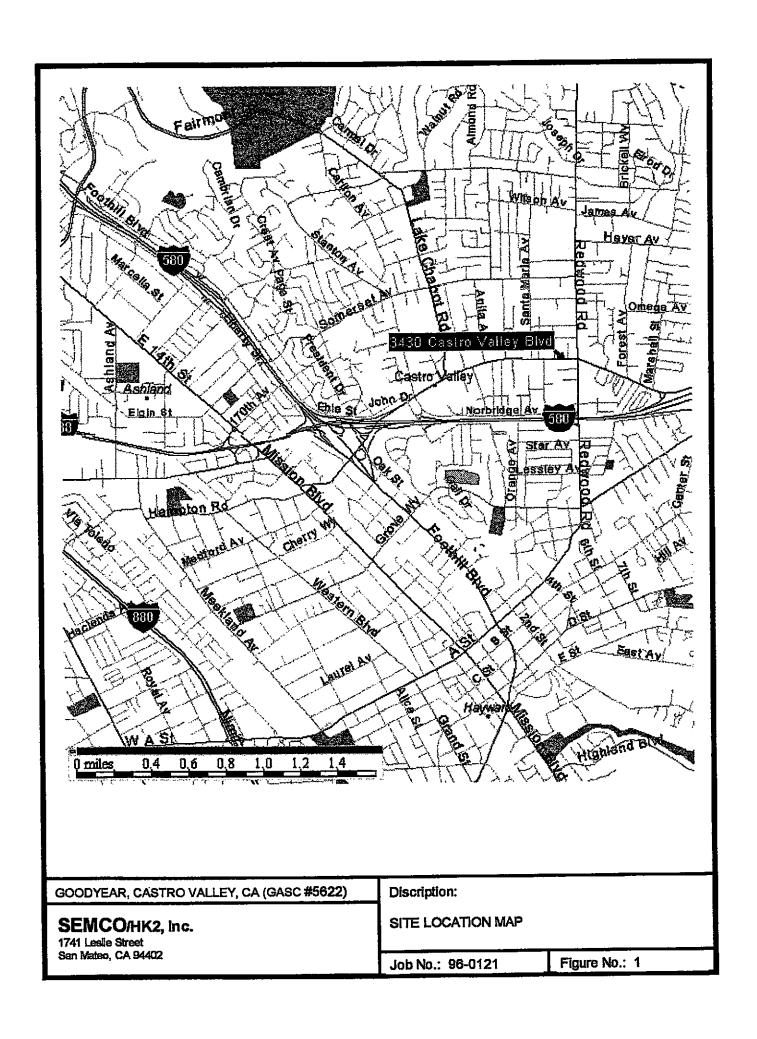


EXHIBIT C

INSTALLER CERTIFICATIONS

Certificate of Insurance Workers Compensation Certificate

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EXHIBIT D

CHAIN-OF-CUSTODY AND LABORATORY RESULTS

Chain-of-Custody Laboratory Reports



North State Environmental Analytical Laboratory

Chain of Custody/Request for Analysis

96-230

(415) 588-9652

Phone: (415) Client: Report to: **Turnaround Time** SEMCO - STAN OR Churt SEMCO -HK2 572-8033 Billing to: Mailing Address: 24 Hr_ 8 Hr 1741 LESLIE STREET SAN MATEO, CA 94402 40 Hr 5 Days Site Address: 3430 CASTRO VAlley Blvd. PO# / Billing Reference: Other REQUESTED Sample ID: Sample Description Container Sampling TPH-D TPH-G **BTEX** O+G Time/Date Remarks # / type 4/12/2 11:40 #/- Hois7-10 SOIL 1-BEAS 418.1 De propo. 4/12 Relinquished by: Pluck Ka Date 1 Time: 4,45~ Received by: Yes No Were samples Received by: Relinquished by: Date: Time: Preserved ? In good Relinquished by: Date: Time: Received in lab by: condition



ANALYSIS CERTIFICATE OF

JOB NO: 96-230

DATE SAMPLED: 04-12-96

CLIENT: SEMCO

PROJECT NAME: GOODYEAR

DATE EXTRACTED: 04-15-96

DATE ANALYZED: 04-15-96

Castro Vallley Blvd

DETERMINATION OF TOTAL PETROLEUM HYDROCARBONS GRAVIMETRIC METHOD 5520 F

SAMPLE NO.

CLIENT ID

ANALYTE/METHOD

RESULT

96-230-01

#1-Hoist-10'

TEPH

5520 F

220

mg/kg

Quality Control/Quality Assurance Summary:

Reporting

MS/MSD

Analyte

Method.

Limit

Blank

Recovery

RPD

TEPH

5520 F

50 mg/Kg

58% ND

ELAP CERTIFICATION NUMBER 1753

Reviewed and Approved

John Murphy



North State Environmental Analytical Laboratory Chain of Custody/Request for Analysis

96-206

(415) 588-9652

Client: SE	mco / HKz		Phone: 9/5 572-8033	Repor	tto: Rhun	, La		•			Tu	rnarou	nd Tin	ne
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CERTIFICATE OF ANALYSIS

JOB NO: 96-206

DATE SAMPLED: 04-05-96

CLIENT: SEMCO

PROJECT NAME:96-0121

DATE EXTRACTED:04-08-96

Goodyear

DATE ANALYZED: 04-10-96

TTLC METALS BY ATOMIC ABSORPTION SPECTROMETRY

SAMPLES PREPARED BY EPA METHOD 3050

SAMPLE NO.	CLIENT ID	ANALYTE/M	ETHOD	RESUL:	Γ
96-206-01	#1 Spoils	Nickel Zinc Chromium Cadmium Lead	7520 7950 7190 7130 7420	34 93 21 ND 16	mg/Kg mg/Kg mg/Kg mg/Kg

Quality Control Quality Assurance Summary:

Analyte	Method	Reporting limit	Blank	MS/MSD Recovery	RPD
Nickel	7520	5.0 mg/Kg	ND	98%	1
Zinc	7950	1.0 mg/Kg	ND	90%	1
Chromium	7190	5.0 mg/Kg	ND	93%	5
Cadmium	7130	2.0 mg/Kg	ND	101%	2
Lead	7420	10.0 mg/Kg	ND	99%	6

ELAP CERTIFICATION NUMBER 179

Reviewed and Approved by

John Murphy



CERTIFICATE ANALYSIS OF

JOB NO: 96-206

04-05-96 DATE SAMPLED:

CLIENT: SEMCO

DATE EXTRACTED:04-08-96

PROJECT NAME: 96-0121 Goodyear DATE ANALYZED: 04-08-96

DETERMINATION OF TOTAL PETROLEUM HYDROCARBONS GRAVIMETRIC METHOD 5520 F

SAMPLE NO.

CLIENT ID

ANALYTE/METHOD

RESULT

96-206-01

#1 Spoils

TEPH 5520 F

mg/Kg 14000

Quality Control/Quality Assurance Summary:

Reporting Limit

MS/MSD

Analyte

Method

Blank

ND

Recovery

RPD

TEPH

5520 F

50 mg/Kg

60%

ELAP CERTIFICATION NUMBER 1753

Reviewed and Approved

John Murphy



CERTIFICATEOFANALYSIS

JOB NO: 96-206

DATE SAMPLED:

04-05-96

CLIENT: SEMCO

DATE EXTRACTED: 04-08-96

PROJECT NAME: 96-0121

DATE ANALYZED:

04-08-96

Goodyear

REACTIVE CYANIDE BY SW-846 CHAPTER 7, SEC. 7.3.3.2 REACTIVE SULFIDE BY SW-846 CHAPTER 7, SEC. 7.3.4.2

CLIENT ID

ANALYTE/METHOD

RESULT

96-206-01

SAMPLE NO.

#1 Spoils

Sulfide

ND<10

mg/Kg

Cyanide

ND<20

mg/Kg

ELAP Certification # 1753

John Murphy



CERTIFICATEOFANALYSIS

JOB NO: 96-206

DATE SAMPLED:

04-05-96

CLIENT: SEMCO

DATE EXTRACTED: 04-08-96

PROJECT NAME: 96-0121

DATE ANALYZED:

04-08-96

Goodyear

PH OF SOIL WASTES BY METHOD 9045

SAMPLE NO.

CLIENT ID

ANALYTE/METHOD

RESULT

96-206-01

#1 Spoils

pH 9045

8.24

pH meter was calibrated using 3 buffer solutions from Spectrum Chemical Co., at pH 4, 7 and 10.

ELAP CERTIFICATION NUMBER 1753

Reviewed and Approved by

John Murphy



CERTIFICATEOFANALYSIS

JOB NO: 96-206

DATE SAMPLED:

04-05-96

CLIENT: SEMCO

DATE EXTRACTED: 04-08-96

PROJECT NAME: 96-0121

DATE ANALYZED:

04-08-96

Goodyear

FLASHPOINT BY METHOD 1010 CLOSED CUP PENSKY-MARTENS

SAMPLE NO.

CLIENT ID

ANALYTE/METHOD

RESULT

96-206-01

#1 Spoils

Flashpoint 1010

> 200 0 F

Flashpoint test was run in duplicate

ELAP CERTIFICATION NUMBER 1753

Reviewed and Approved by

John Murphy

EXHIBIT E

DISPOSAL RECEIPTS

Soil

NON-HAZARDOUS

MATERIALS MANIFEST

GENERATOR RYNC	K TIRE & BRAKE				
<u> </u>	CASTRO VALLEYBLVD	_]	
Mailing CASTI	RO VALLEY, CA 9454	8	···		
Phone: 5/0 - 667-42	50	Contact:	JIMOI	Nie/	
TRANSPORTER RIG	CH HAMILTON TRUCKI	NG			
Address 133	36 PAULINE AVE.				
MOTESS)ESTA CA 95358				
Phone :() 209-578-4	190	Coctect:	SCUTT	MECTOR	
		•			_
I hereby certify that the above nar					
Driver Name: Kevin	Kelley .	Signature	Kenin	Kulley	
Truck No. 960		_ Ship Date:	4-1	2-96	·
Time of Pick-Up:		_ Time of De	liverv:		
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Consultant/Owner	3 EH CO				
	1217 S. 7TH ST.	*	. , .		 ·
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Address	1217 S. 7TH ST. MODESTO, CA 95351	Contact:	DOUG FL	EMING	·
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Address Phone :() 209-524-965 I herby certify that the above name	1217 S. 7TH ST. MODESTO, CA 95351 3 ed material is consistent with	Contact:	on presented	In the Waste Characterizati	ion
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Phone :() 209-524-965 I herby certify that the above name Form and Contaminated Soil Descriptor condition for transport according to the second sec	1217 S. 7TH ST. MODESTO, CA 95351 i3 ed material is consistent with cription Form, and has been ording to applicable regulation	Contact: the information properly description.	on presented ibed, classif	In the Waste Characterizati	ion
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