



August 13, 2001  
1-91M-14061-A

LNR Affordable Housing  
6420 S.W. Macadam Avenue  
Portland, Oregon 97201

Attention: Mr. Chris Duffin

**Subject: Soil Remediation Report**  
581 and 583 Eastmont Avenue  
East Wenatchee, Washington

Dear Mr. Duffin:

AMEC Earth & Environmental, Inc. (AMEC) is pleased to provide the following summary report of the soil remediation services performed at the above-referenced site located in East Wenatchee, Washington (Figure 1). The following report contains a brief site description and project history, project description, and a summary of the remedial actions.

#### **SITE DESCRIPTION AND PROJECT HISTORY**

The site is located at 581 and 583 Eastmont Avenue in East Wenatchee, Washington. The property is currently developed with two, six-unit apartment buildings located at the southeast corner of the Willamette Court apartment complex (Figure 2). The site covers approximately 9,720 square feet. The perimeter of the buildings are covered by grass, landscaping (bark, bushes, and shrubs), and gravel. The Willamette Court apartment complex is comprised of 12 apartment buildings, a lot currently under development, and an undeveloped lot.

Based on information provided by Tom Lindal, the former owner, the site was historically developed with a fruit tree orchard. Mr. Lindal indicated that the orchard was removed between the 1940's and the 1960's. Following removal of the orchard, the site remained vacant until 1997, when the two apartment buildings currently on the property were constructed. Construction of the apartment complex, which reportedly included significant re-grading activities, began in 1995. Prior to the start of construction and re-grading activities, Mr. Lindal collected three soil samples from the north side of the apartment complex at depths ranging from 1 to 18 inches below grade. The soil samples were collected to assess whether pesticide associated with the former orchard had resulted in lead and arsenic contamination of near

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USA 98034  
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surface soils. Laboratory analytical data identified concentrations of lead and arsenic exceeding the Model Toxics Control Act (MTCA) Method A cleanup criteria in all three samples.

Mr. Lindal reported that to prepare the site for construction of the two apartment buildings, an estimated 1,200 to 1,400 cubic yards of soil were excavated from the subject site and the site grade was reduced by an estimated 4 feet. Re-grading activities encompassed the construction site of the ten other apartment buildings in the Willamette complex and the one building that is under construction. No documentation of the volume of soil excavated from the site or the disposal location of the exported soil was available at the time of this report. Mr. Lindal estimated that 600 to 700 cubic yards of soil were excavated for each building footing and all excavated soils were reportedly disposed at a property located at the south end of Wenatchee. No fill material was imported onto the site.

Site development was completed in 1997. In July 2001, LNR Affordable Housing contracted AMEC to collect near surface soil samples from the site to assess whether soils continued to contain lead and arsenic concentrations above the MTCA Method A cleanup criteria. Laboratory analytical data indicated that at least the upper 18 inches of soil appear to have been impacted by lead and arsenic above the MTCA Method A cleanup standards.

## PROJECT DESCRIPTION

AMEC proposed to perform a remedial excavation of soil to 18 inches below grade, placement of a geomembrane break, and importation of clean fill to make up the levels. The remedial activities included:

- Excavation of all soils to at least 18 inches below grade where possible, and to 36 inches below grade at the western, downslope margin to provide drainage. Excavation activities were performed by Bremmer Construction of Wenatchee, Washington;
- Submitting one soil sample to OnSite Environmental, Inc. laboratory for analysis of lead leachability to determine disposal location of the excavated soil;
- Removal of the soil to Waste Management of Greater Wenatchee, Washington;
- Collecting soil samples from the western, downslope drainage trench and submitting the samples for analysis of lead and arsenic to the Cascade Analytical Laboratory;
- Placement of a nonwoven geotextile fabric to provide a barrier between the lead and arsenic-contaminated soil and the clean fill;
- Backfilling and compacting with imported fill;

- Completion of the following Soil Remediation Report for the site; and
- Submitting all reports to Ecology's Voluntary Cleanup Program (VCP) for the purpose of obtaining a No Further Action (NFA) Letter.

AMEC has presented the results of the project below.

## REMEDIAL EXCAVATION RESULTS

On July 26, 2001, Bremmer Construction began excavation of the lead and arsenic-impacted soil identified on the site. Soils were excavated to an approximate depth of 18 inches below grade and a lateral area measuring approximately 85 feet (north to south) by 130 feet (east to west). A trench measuring approximately 30 inches wide was excavated to 36 inches below grade along the western, downslope margin of site to facilitate drainage. Approximately 395 cubic yards of soil were removed during excavation activities.

One sample collected during the July 2001 site investigation that contained the highest concentration of lead was resubmitted to Washington State-certified OnSite Environmental, Inc. laboratory located in Redmond, Washington. The sample was analyzed for lead leachability using EPA Method 1311/6010B, which yielded a result of 0.66 mg/L. Laboratory analytical test certificates are included in Appendix A. The leachability of the lead in the excavated soil was below the Washington State Department of Ecology lead leachability limit of 5 mg/L, and the excavated soil was transported directly to Waste Management of Greater Wenatchee for disposal. Waste manifests are presented in Appendix B.

Following the initial excavation, AMEC collected three soil samples from the western, downslope margin of the excavation to determine if the soils were clean as follows:

- Discrete soil sample 1-14061-A-01 was collected from an approximate depth of 36 inches below grade, approximately 12 inches from the western sidewall of the trench and 15 feet from northern site boundary;
- Discrete soil sample 1-14061-A-02 was collected from an approximate depth of 36 inches below grade, approximately 12 inches from the western sidewall of trench and 43 feet from northern site boundary;
- Discrete soil sample 1-14061-A-03 was collected from an approximate depth of 36 inches below grade, approximately 12 inches from the western sidewall of trench and 81 feet from northern site boundary.

Soil sample locations are given in Figure 2. All soil samples were collected using dedicated nitrile gloves and immediately placed in laboratory-prepared containers. The samples were placed in an iced cooler following collection and transported to Washington State-certified Cascade Analytical Laboratory in Wenatchee, Washington, under AMEC's chain-of-custody

procedures. All soil samples were submitted for analysis by EPA Method 7421 for lead and EPA Method 7060 for arsenic. The analytical results are summarized in Table 1, and the laboratory analytical test certificates are included in Appendix A of this report.

TABLE 1 SUMMARY OF SOIL ANALYTICAL RESULTS			
Sample ID	Depth (inches)	Lead	Arsenic
1-14061-A-01	36	16.1	24.6
1-14061-A-02	36	<b>1570</b>	<b>146</b>
1-14061-A-03	36	<b>526</b>	<b>112</b>
MTCA Method A Cleanup Level:		250	20
Notes: 1. All concentrations are presented in parts per million concentration units (ppm).			
2. <b>Bold</b> text indicates concentration exceeding the MTCA Method A 2001 cleanup criteria.			
3. Lead ranges by EPA 7421 and Arsenic ranges by EPA 7060.			

The results of the soil sampling indicated that two of the samples contained lead concentrations exceeding MTCA Method A 2001 cleanup criteria. All three samples contained arsenic concentrations exceeding MTCA Method A 2001 cleanup criteria. Based on the findings of the analyzed samples, the western drainage trench was lined with geotextile fabric to provide a recognizable barrier between the lead and arsenic-impacted soil and the clean fill.

## CLEAN COVER PLACEMENT

### Geotextile fabric

The entire excavated area including the trench along the western margin was lined with Carthage Mills FX-60HS nonwoven geotextile fabric to provide a recognizable barrier between the contaminated soil and the clean fill. Bremmer Construction laid the fabric with one foot of overlap between sheets and extended the fabric to the perimeter and up the sides of the excavation. A Bremmer Construction representative photographed the site after installation of the fabric. A photographic log of the remedial activities and general site features has been included as Appendix C. Properties of Carthage Mills FX-60HS nonwoven geotextile fabric are presented in Appendix D.

### Gravel fill

AMEC considered two potential gravel fill sources. The first potential source was soil that had been obtained by Bremmer Construction from the East Wenatchee Mall expansion project. An AMEC representative observed that the soil had been stockpiled at the Bremmer Construction yard on a former gold mine tailings pond. One truckload containing 30 cubic yards of this soil was imported to the site. In order to ensure that the stockpile was free of contamination, an

AMEC representative observed the soil and took readings using a photoionization detector (PID) and found no visual or olfactory signs of any hydrocarbon contamination. One composite sample was collected according to standard procedure and was transported to Cascade Analytical laboratory in Wenatchee. The soil sample was submitted for analysis by EPA Method 7421 for lead and EPA Method 7060 for arsenic. The analytical results are summarized in Table 2, and the laboratory analytical test certificates are included in Appendix A.

The results of the soil sampling indicated that the sample did not contain lead or arsenic concentrations exceeding MTCA Method A 2001 cleanup criteria on the fill was retained on the site.

The second potential fill source that was considered was a residential excavation taking place along the Columbia River east of East Wenatchee on Highway 28. The soil was primarily cobble gravel with a sandy matrix. No orchards or other uses were associated with the potential source. No visual and olfactory signs of contamination were observed and a composite sample was collected using standard procedures. The sample was transported to Cascade Analytical laboratory under AMEC's chain-of-custody procedures and submitted for analysis of lead and arsenic. The analytical results are summarized in Table 2, and the laboratory analytical test certificates are included in Appendix A.

The results of the soil analysis indicated that the sample did not contain lead or arsenic concentrations exceeding MTCA Method A 2001 cleanup criteria. Bremmer Construction began importing soil from this source on July 31, 2001. A 12-inch layer of gravel fill was placed across the majority of the site. Site levels of minus 6 inches below original grade were achieved with the gravel fill. The 36-inch deep trench along the western margin was filled with 30 inches of gravel fill. The last load was imported on August 6, 2001. A total of 326 cubic yards of gravel fill were imported. Import documentation is included in Appendix E of this report.

### **Topsoil Fill**

The topsoil source was located approximately one mile up Blue Grade Road off of Highway 28 in East Wenatchee. No orchards or other uses were associated with the potential source. No visual and olfactory signs of debris was observed and a composite sample was collected for analysis using routine procedures. The sample was transported to Cascade Analytical laboratory and submitted for analysis of lead and arsenic. The analytical results are summarized in Table 2, and the laboratory analytical test certificates are included in Appendix A.

The results of the soil analysis indicated that the sample did not contain lead or arsenic concentrations exceeding MTCA Method A 2001 cleanup criteria. Bremmer Construction imported soil from this source on August 6-7, 2001. A 6-inch layer of topsoil was placed throughout the site. A total of 242 cubic yards of topsoil were imported. Import documentation is presented in Appendix E.

TABLE 2 SUMMARY OF SOIL ANALYTICAL RESULTS			
Sample ID	Material	Lead	Arsenic
1-14061-A-04	Gravel Fill	18.2	12.0
1-14061-A-05	Gravel Fill	7.95	3.87
1-14061-A-06	Topsoil Fill	6.34	2.94
MTCA Method A Cleanup Level:		250	20
Notes: 1. All concentrations are presented in parts per million concentration units (ppm). 2. <b>Bold</b> text indicates concentration exceeding the MTCA Method A 2001 cleanup criteria. 3. Lead ranges by EPA 7421 and Arsenic ranges by EPA 7060.			

## CONCLUSIONS

Lead and arsenic contaminated soils were excavated at the site to a depth of 18 inches below original grade throughout the majority of the site. A total of 395 cubic yards of impacted soils were removed and transported to Waste Management of Greater Wenatchee, Washington, for disposal.

The excavated area was covered with a nonwoven geotextile fabric to provide a recognizable barrier between the lead and arsenic-contaminated soil and the clean fill. The site was backfilled with 326 cubic yards of clean gravel fill imported from an approved source along the Columbia River off Highway 28. The remainder of the excavation was filled with 242 cubic yards of topsoil imported from an approved source on Blue Grade Road off Highway 28.

AMEC anticipates that this report and the July 2001 report will be submitted to Ecology's Voluntary Cleanup Program (VCP) to request a "No Further Action" status without the need for additional remedial activities. In addition, AMEC anticipates that it will prepare for submission with the VCP, a site management plan and restrictive covenant documentation to ensure that any earth workers and potential purchasers are aware that lead- and arsenic-impacted soils are present on the site.


## CLOSURE

This report has been prepared for the exclusive use of LNR Affordable Housing and their authorized agents. The results and conclusions presented in this report are based on the assessment data collected and AMEC's professional experience. The conclusions presented herein are relevant to the dates and locations that the field and analytical data were collected and should not be relied upon to represent site conditions in other areas or at later dates. The excavation activities, including the analytical scope, were completed within the general constraints of AMEC's proposal number 91P-15319, dated July 20, 2001. In the event that additional information becomes available, AMEC should be allowed to review that information and modify the conclusions presented herein accordingly.

AMEC appreciates the opportunity to be of service to LNR Affordable Housing on this project. If you have any questions or comments regarding this letter report, please feel free to call at your earliest convenience.

Sincerely,

**AMEC Earth & Environmental, Inc.**



Meg J. Strong  
Associate

Reviewed by:



William A. Brewer  
Associate

MJS/WAB/kms

Attachments: Figure 1 — *Location Map*  
Figure 2 — *Site and Excavation Plan*  
Appendix A — *Laboratory Analytical Certificates*  
Appendix B — *Waste Manifest Documents*  
Appendix C — *Photographic Log*  
Appendix D — *Geotextile Properties*  
Appendix E — *Imported Soil Delivery Tickets*

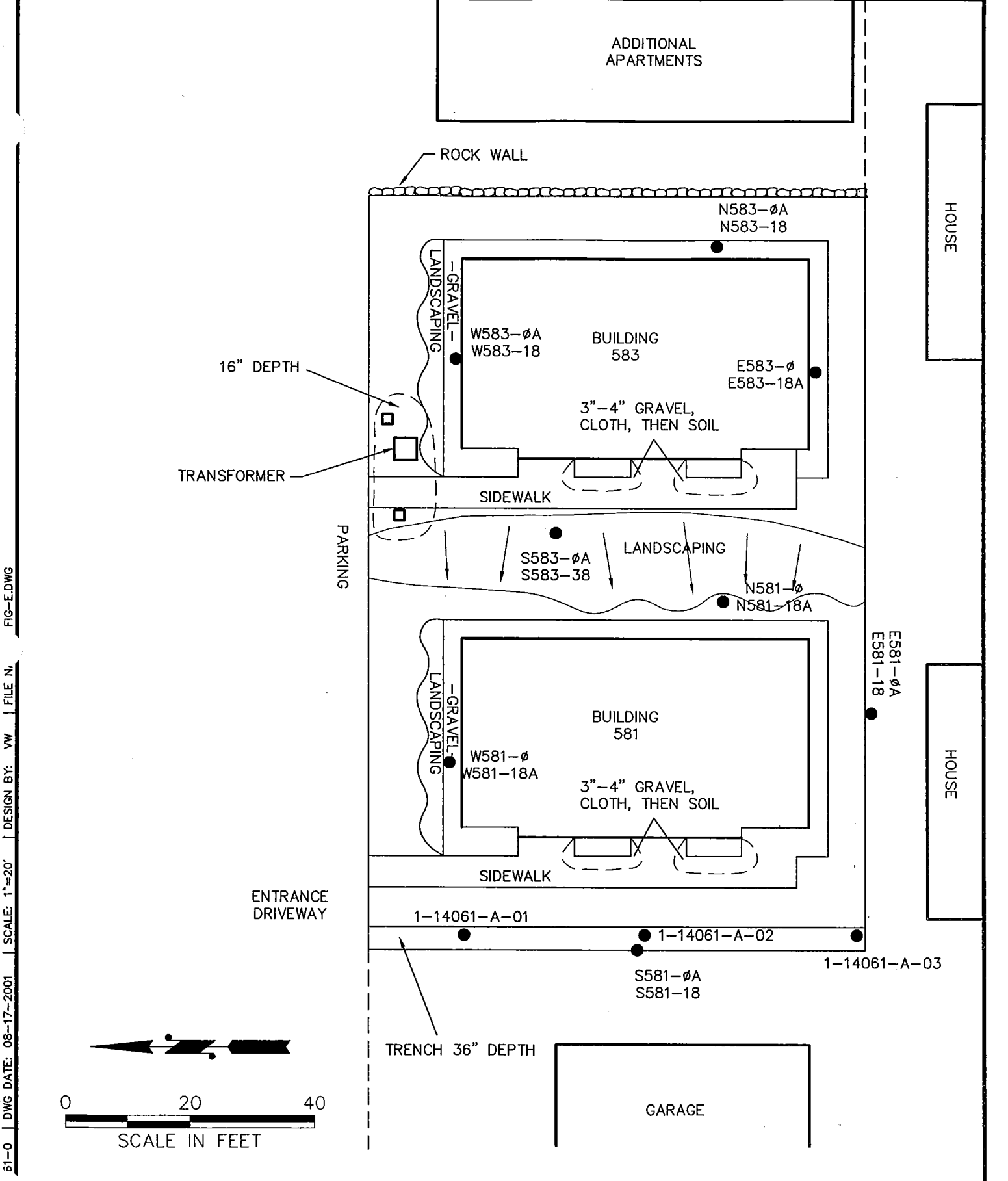
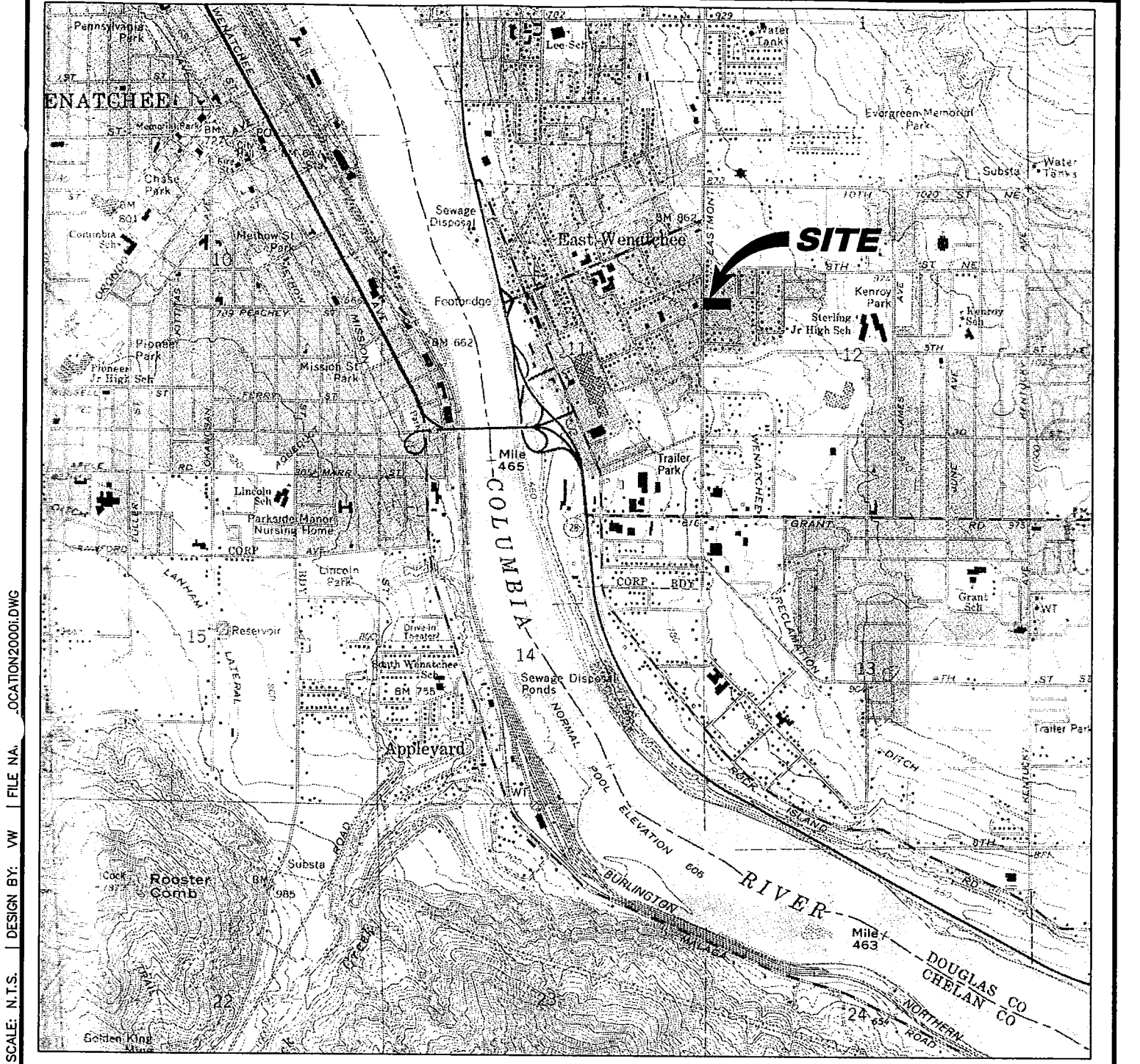


FIG-E.DWG  
 FILE N.  
 DESIGN BY: VW  
 SCALE: 1"=20'  
 DWG DATE: 08-17-2001  
 01-0

**amec**  
 AMEC EARTH AND ENVIRONMENTAL, INC.  
 11335 N.E. 122nd Way, Suite 100  
 Kirkland, WA, U.S.A. 98034-6918

**SITE AND EXPLORATION PLAN**  
 WILLAMETTE COURT  
 EAST WENATCHEE, WASHINGTON

**FIGURE**  
 2



1-91M | JOB NO.: 1-91M | DWG DATE: 08-09-2001 | SCALE: N.T.S. | DESIGN BY: VW | FILE NA: LOCATION20001.DWG



N.T.S.

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LOCATION MAP  
 WILLAMETTE COURT  
 EAST WENATCHEE, WASHINGTON

FIGURE  
 1

**APPENDIX A**  
**LABORATORY ANALYTICAL TEST CERTIFICATES**



**OnSite  
Environmental Inc.**  
Analytical Testing and Mobile Laboratory Services

July 25, 2001

Meg Strong  
AMEC Earth & Environmental, Inc.  
11335 NE 122<sup>nd</sup> Way, Suite 100  
Kirkland, WA 98034

Re: Analytical Data for Project Willamette Court  
Laboratory Reference No. 0106-195

Dear Meg:

Enclosed are the analytical results and associated quality control data for samples submitted on June 27, 2001.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister  
Project Manager

Enclosures

Date of Report: July 25, 2001  
Samples Submitted: June 27, 2001  
Lab Traveler: 06-195  
Project: Willamette Court

**TCLP LEAD**  
**EPA 1311/6010B**

Date Extracted: 7-23-01  
Date Digested: 7-24-01  
Date Analyzed: 7-25-01

Matrix: TCLP Extract  
Units: mg/L (ppm)

Lab ID: 06-195-05  
Client ID: N581-18

Analyte	Method	Result	PQL
Lead	6010B	0.66	.20

Date of Report: July 25, 2001  
Samples Submitted: June 27, 2001  
Lab Traveler: 06-195  
Project: Willamette Court

**TCLP LEAD**  
**EPA 1311/6010B**  
**METHOD BLANK QUALITY CONTROL**

Date Extracted: 7-23-01  
Date Digested: 7-24-01  
Date Analyzed: 7-25-01

Matrix: TCLP Extract  
Units: mg/L (ppm)

Lab ID: MB0724T1

Analyte	Method	Result	PQL
Lead	6010B	ND	.20

Date of Report: July 25, 2001  
Samples Submitted: June 27, 2001  
Lab Traveler: 06-195  
Project: Willamette Court

**TCLP LEAD  
EPA 1311/6010B  
DUPLICATE QUALITY CONTROL**

Date Extracted: 7-23-01  
Date Digested: 7-24-01  
Date Analyzed: 7-25-01

Matrix: TCLP Extract  
Units: mg/L (ppm)

Lab ID: 07-130-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	ND	ND	NA	.20	

Date of Report: July 25, 2001  
Samples Submitted: June 27, 2001  
Lab Traveler: 06-195  
Project: Willamette Court

**TCLP LEAD  
EPA 1311/6010B  
MS/MSD QUALITY CONTROL**

Date Extracted: 7-23-01  
Date Digested: 7-24-01  
Date Analyzed: 7-25-01

Matrix: TCLP Extract  
Units: mg/L (ppm)

Lab ID: 07-130-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	10	<b>9.40</b>	94	<b>9.46</b>	95	0.59	



#### DATA QUALIFIERS AND ABBREVIATIONS

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- D - Data from 1:\_\_\_\_ dilution.
- E - The value reported exceeds the quantitation range, and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- G - Insufficient sample quantity for duplicate analysis.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.
- O - Hydrocarbons outside the defined gasoline range are present in the sample; NWTPH-Dx recommended.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical \_\_\_\_\_.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a silica gel cleanup procedure.
- Y - Sample extract treated with an acid cleanup procedure.
- Z -
- ND - Not Detected at PQL  
MRL - Method Reporting Limit  
PQL - Practical Quantitation Limit  
RPD - Relative Percent Difference





3019 G.S. Center Rd.  
 Wenatchee, WA 98801  
 (509) 662-1888  
 Fax: (509) 662-8183  
 1-800-545-4206

Batch: 103120  
 Client: AMEC Earth & Environmental, I

Account: 04870  
 Sampler: Karen Peissinger

PO Number:

--- Analytical Services Report ---

Report Date: 8/ 1/01

AMEC Earth & Environmental, Inc  
 11335 NE 122nd Way, Suite 100  
 Kirkland, WA 98034

Laboratory Number: 01-E007599

Date Received: 7/31/01

~~Sample Identification: 1 14061 A 01~~

~~Date Sampled: 7/31/01~~

Test Requested	Results	Units	MDL	Method	Date Analyzed	Flags
Arsenic Solid	24.6	mg/Kg	2.53	SW846 7060	7/31/01	D
Lead Total Solid	16.1	mg/Kg	1.05	SW846 7421	7/31/01	D
Total Percent Solids	94.9	%	0.01 %	SM 2540-B	8/ 1/01	
Total Metals Digest Solid	Metals Digest			SW846 3050	7/31/01	

Approved By:

Cascade Analytical uses procedures established by EPA, AOC, APHA, ASTM, and ANWA. Cascade Analytical makes no warranty of any kind the client assumes all risk and liability from the use of these results. Cascade Analytical, Inc.'s liability to the client as a result of use of Cascade's test results shall be limited to a sum equal to the fees paid by the client to Cascade Analytical, Inc. for analysis.



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 (509) 662-1888  
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Batch: 103120  
 Client: AMEC Earth & Environmental, I  
 Account: 04870  
 Sampler: Karen Peissinger  
 PO Number:

~~--- Analytical Services Report ---~~

Report Date: 8/ 1/01

AMEC Earth & Environmental, Inc  
 11335 NE 122nd Way, Suite 100  
 Kirkland, WA 98034

Laboratory Number: 01-E007600

Date Received: 7/31/01

Sample Identification: 1-4061-A-02

Date Sampled: 7/31/01

Test Requested	Results	Units	MDL	Method	Date Analyzed	Flags
Arsenic Solid	146.	mg/Kg	13	SW846 7060	7/31/01	D
Lead Total Solid	1570	mg/Kg	108	SW846 7421	7/31/01	D
Total Percent Solids	92.6	%	0.01 %	SM 2540-B	8/ 1/01	
Total Metals Digest Solid	Metals Digest			SW846 3050	7/31/01	

Approved By:

Cascade Analytical uses procedures established by EPA, AOAC, APHA, ASTM, and AWWA. Cascade Analytical makes no warranty of any kind the client assumes all risk and liability from the use of these results. Cascade Analytical, Inc.'s liability to the client as a result of use of Cascade's test results shall be limited to a sum equal to the fees paid by the client to Cascade Analytical, Inc. for analysis.



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Batch: 103120  
 Client: AMEC Earth & Environmental, I

Account: 04870  
 Sampler: Karen Peissinger

PO Number:

--- Analytical Services Report ---

Report Date: 8/ 1/01

AMEC Earth & Environmental, Inc  
 11335 NE 122nd Way, Suite 100  
 Kirkland, WA 98034

Laboratory Number: 01-E007601

Date Received: 7/31/01

Sample Identification: 1-4061-A-03

Date Sampled: 7/31/01

Test Requested	Results	Units	MDL	Method	Date Analyzed	Flags
Arsenic Solid	112.	mg/Kg	12.6	SW846 7060	7/31/01	D
Lead Total Solid	526.	mg/Kg	41.9	SW846 7421	7/31/01	D
Total Percent Solids	95.5	%	0.01 %	SM 2540-B	8/ 1/01	
Total Metals Digest Solid	Metals Digest			SW846 3050	7/31/01	

Approved By:

Cascade Analytical uses procedures established by EPA, ADAC, APHA, ASTM, and ANWA. Cascade Analytical makes no warranty of any kind the client assumes all risk and liability from the use of these results. Cascade Analytical, Inc.'s liability to the client as a result of use of Cascade's test results shall be limited to a sum equal to the fees paid by the client to Cascade Analytical, Inc. for analysis.

# CHAIN OF CUSTODY

AMEC Earth & Environmental, Inc.  
 11335 N.E. 122nd Way, Suite 100  
 Kirkland, Washington 98034  
 Tel (425) 820-4669  
 Fax (425) 821-3914



PROJECT	ANALYSIS REQUESTED (circle, check box, or write preferred method in box)									
	PROJECT NO.	PHONE NO.	PHONE NO.	PHONE NO.	PHONE NO.	PHONE NO.	PHONE NO.	PHONE NO.	PHONE NO.	PHONE NO.
WILLAMETTE COURT APTS	1-911-14061-1A	425 820 4669	425 820 4669	425 820 4669	425 820 4669	425 820 4669	425 820 4669	425 820 4669	425 820 4669	425 820 4669
CLIENT	PROJECT MANAGER	SAMPLER'S NAME (please print)	SAMPLER'S SIGNATURE	DATE	TIME	MATRIX	PRESERVATIVE	CONTAINERS No.	VOL.	
AMEC	Meg Strong	Karen G Peisinger	<i>Karen G Peisinger</i>	07/24/2001	9:30	SOIL	NONE	2	403	
1-14061-A-01				07/24/2001	9:30	SOIL	NONE	2	403	
1-14061-A-02				07/24/2001	9:30	SOIL	NONE	2	403	
1-14061-A-03				07/24/2001	9:30	SOIL	NONE	2	403	
5.										
6.										
7.										
8.										
9.										
10.										

**SAMPLE RECEIPT**

TOTAL # CONTAINERS: \_\_\_\_\_

CONDITION OF CONTAINERS: \_\_\_\_\_

CONDITION OF SEALS: \_\_\_\_\_

RELINQUISH BY / AFFILIATION: *Karen G Peisinger* DATE: 07/24/2001 TIME: 11:00am

ACCEPTED BY / AFFILIATION: *[Signature]* DATE: 7/24/2001 TIME: 11:00am

LABORATORY: \_\_\_\_\_ SHIPPING I.D./AIRBILL #: \_\_\_\_\_

CARRIER: \_\_\_\_\_ DOT DESIGNATION: \_\_\_\_\_

TURNAROUND TIME:  8 HOUR  24 HOUR  1 WEEK  2 WEEK (standard)  OTHER

SPECIAL INSTRUCTIONS / ADDITIONAL COMMENTS: *By [Signature] 07/27/2001*

DATE: 07/24/2001

PAGE 1 OF 1

Print 01 01 02:36p



3019 G.S. Center Rd.  
 Wenatchee, WA 98801  
 (509) 662-1888  
 Fax: (509) 662-8183  
 1-800-545-4206

Batch: 103131  
 Client: AMEC Earth & Environmental, I

Account: 04870  
 Sampler: Karen Peissinger

PU Number:

~~Analytical Services Report~~

Report Date: 8/ 2/01

AMEC Earth & Environmental, Inc  
 11335 NE 122nd Way, Suite 100  
 Kirkland, WA 98034

Laboratory Number: 01-E007621

Date Received: 7/31/01

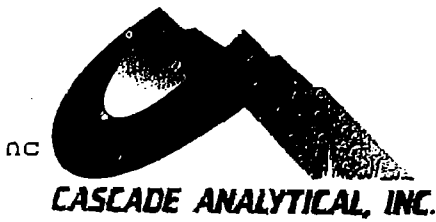
Sample Identification: I-14061-A-04

Date Sampled: 7/31/01

Test Requested	Results	Units	MDL	Method	Date Analyzed	Flags
Arsenic Solid	12.0	mg/Kg	2.5	SW846 7060	8/ 1/01	D
Lead Total Solid	18.2	mg/Kg	2.09	SW846 7421	8/ 2/01	D
Total Percent Solids	95.9	%	0.01 %	SM 2540-B	8/ 1/01	
Total Metals Digest Solid	Metals Digest			SW846 3050	8/ 1/01	

Approved By:

Cascade Analytical uses procedures established by EPA, AOAC, APHA, ASTM, and ANWA. Cascade Analytical makes no warranty of any kind the client assumes all risk and liability from the use of these results. Cascade Analytical, Inc.'s liability to the client as a result of use of Cascade's test results shall be limited to a sum equal to the fees paid by the client to Cascade Analytical, Inc. for analysis.



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Batch: 103142

Client: AMEC Earth & Environmental, I

Account: 04870

Sampler: Karen Peissinger

PO Number:

--- Analytical Services Report ---

Report Date: 8/ 2/01

AMEC Earth & Environmental, Inc  
11335 NE 122nd Way, Suite 100  
Kirkland, WA 98034

Laboratory Number: 01-E007706

Date Received: 8/ 1/01

Sample Identification: 1-14051 A-05

Date Sampled: 8/ 1/01

Test Requested	Results	Units	MDL	Method	Date Analyzed	Flags
Arsenic Solid	3.87	mg/Kg	0.602	SW846 7060	8/ 1/01	D
Lead Total Solid	7.95	mg/Kg	1	SW846 7421	8/ 2/01	D
Total Percent Solids	99.7	%	0.01 %	SM 2540-B	8/ 1/01	
Total Metals Digest Solid	Metals Digest			SW846 3050	8/ 1/01	

Approved By: *Joey L. Brown*

Cascade Analytical uses procedures established by EPA, AOAC, APHA, ASTM, and AWWA. Cascade Analytical makes no warranty of any kind the client assumes all risk and liability from the use of these results. Cascade Analytical, Inc.'s liability to the client as a result of use of Cascade's test results shall be limited to a sum equal to the fees paid by the client to Cascade Analytical, Inc. for analysis.

nc



3019 G.S. Center Rd.  
 Wenatchee, WA 98801  
 (509) 662-1888  
 Fax: (509) 662-8183  
 1-800-545-4206

Batch: 103142  
 Client: AMEC Earth & Environmental, I

Account: 04870  
 Sampler: Karen Peissinger

PO Number:

~~--- Analytical Services Report ---~~

Report Date: 8/ 2/01

AMEC Earth & Environmental, Inc  
 11335 NE 122nd Way, Suite 100  
 Kirkland, WA 98034

Laboratory Number: 01-E007707

Date Received: 8/ 1/01

Sample Identification: 1-14051-A-06

Date Sampled: 8/ 1/01

Test Requested	Results	Units	MDL	Method	Date Analyzed	Flags
Arsenic Solid	2.94	mg/Kg	1.21	SW846 7060	8/ 2/01	D
Lead Total Solid	6.34	mg/Kg	1.01	SW846 7421	8/ 2/01	D
Total Percent Solids	99.5	%	0.01 %	SM 2540-B	8/ 1/01	
Total Metals Digest Solid	Metals Digest			SW846 3050	8/ 1/01	

Approved By:

Cascade Analytical uses procedures established by EPA, ADAC, APHA, ASTM, and AWWA. Cascade Analytical makes no warranty of any kind the client assumes all risk and liability from the use of these results. Cascade Analytical, Inc.'s liability to the client as a result of use of Cascade's test results shall be limited to a sum equal to the fees paid by the client to Cascade Analytical, Inc. for analysis.



**CHAIN OF CUSTODY**

AMEC Earth & Environmental, Inc.  
 11335 N.E. 122nd Way, Suite 100  
 Kirkland, Washington 98034  
 Tel (425) 820-4669  
 Fax (425) 820-8171

PROJECT		PROJECT NO.	PHONE NO.			
CLIENT		1-91M-14061-A				
PROJECT MANAGER		PHONE NO.	2091610			
MEG STRONG		PHONE NO.	(425) 844-2408			
SAMPLER'S NAME (Please print)		PHONE NO.	(425) 864-0163			
SAMPLER'S SIGNATURE		K. Thompson 07/31/2001				
SAMPLE ID.	DATE	TIME	MATRIX	PRESERVATIVE	CONTAINERS No.	VOL.
1. 1-14061-A-01	07/31/2001	3:05 P	SOIL	NONE	2	400g
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						

ANALYSIS REQUESTED (circle, check box, or write preferred method in box)

BTEX by EPA 602 / 8020	BTEX / WTPH-G	WTPH-HCID	WTPH-D / WTPH-D EXTENDED	WTPH by EPA 8015 MODIFIED	WTPH-418.1 MODIFIED	TPH by EPA 418.1	GC / MS EPA 624 / 8240 or EPA 8260 Volatiles	GC / MS EPA 625 / 8270 Semi-volatiles	VOCs EPA 601 / 8010 or EPA 602 / 8020	PCBs EPA 608 / 8080	LEAD EPA 8210 / EPA 7421 (old / discarded)	TOTAL METALS	TCLP	COMPOSITE (EPA) ARSENIC (TCLP)
	7/22/01													✓

RECEIVED  
 By: [Signature]  
 10/2/01

SAMPLE RECEIPT		LABORATORY		TURNAROUND TIME		SPECIAL INSTRUCTIONS / ADDITIONAL COMMENTS	
TOTAL # CONTAINERS		SHIPPING I.D. / AIRBILL #		<input type="checkbox"/> 8 HOUR <input type="checkbox"/> 24 HOUR <input type="checkbox"/> 1 WEEK <input type="checkbox"/> 2 WEEK (standard) <input checked="" type="checkbox"/> OTHER 3-4 WEEK		* NEED RESULTS BY NOON THURSDAY - 08/02/2001	
CONDITION OF CONTAINERS		CARRIER		ACCEPTED BY / AFFILIATION		DATE TIME	
CONDITION OF SEALS		DOT DESIGNATION		[Signature] 07/31/2001 4:00p		7-31-01 4:00PM	
RELINQUISH BY / AFFILIATION		DATE		TIME		PAGE 1 OF 1	
[Signature]		07/31/2001		4:00p			

DISTRIBUTION: White, Yellow - Laboratory, Pink - Originator

AMEC Earth & Environmental, Inc. (Rev. 11/00)



**APPENDIX B**  
**WASTE MANIFEST DOCUMENTS**

**Hauloff 581-583 Eastmont Ave**

<b>Date</b>	<b>TK #</b>	<b>Invoice #</b>	<b>Yds</b>	<b>Amount</b>	
24-Jul-01	11	192434	9	\$ 178.11	
				\$ 6.41	\$ 184.52
26-Jul-01	10	192413	10	\$ 197.90	
				\$ 7.12	\$ 205.02
26-Jul-01	10	192415	9	\$ 178.11	
				\$ 6.41	\$ 184.52
26-Jul-01	10	192417	9	\$ 178.11	
				\$ 6.41	\$ 184.52
26-Jul-01	10	192406	10	\$ 197.90	
				\$ 7.12	\$ 205.02
26-Jul-01	8	192402	8	\$ 158.32	
				\$ 5.70	\$ 164.02
26-Jul-01	11	192405	6	\$ 118.74	
				\$ 4.27	\$ 123.01
26-Jul-01	11	192412	9	\$ 178.11	
				\$ 6.41	\$ 184.52
26-Jul-01	11	192414	9	\$ 178.11	
				\$ 6.41	\$ 184.52
26-Jul-01	11	192416	9	\$ 178.11	
				\$ 6.41	\$ 184.52
26-Jul-01	11	192419	9	\$ 178.11	
				\$ 6.41	\$ 184.52
27-Jul-01	11	192463	9	\$ 178.11	
				\$ 6.41	\$ 184.52
27-Jul-01	11	192462	9	\$ 178.11	
				\$ 6.41	\$ 184.52
27-Jul-01	11	192459	9	\$ 178.11	
				\$ 6.41	\$ 184.52
27-Jul-01	11	192455	9	\$ 178.11	
				\$ 6.41	\$ 184.52
27-Jul-01	11	192449	9	\$ 178.11	
				\$ 6.41	\$ 184.52
27-Jul-01	11	192429	9	\$ 178.11	
				\$ 6.41	\$ 184.52
27-Jul-01	11	192441	9	\$ 178.11	
				\$ 6.41	\$ 184.52
27-Jul-01	11	192447	9	\$ 178.11	
				\$ 6.41	\$ 184.52
27-Jul-01	11	192436	9	\$ 178.11	
				\$ 6.41	\$ 184.52
27-Jul-01	11	192426	8	\$ 158.32	
				\$ 5.70	\$ 164.02
27-Jul-01	11	55370	10	\$ 197.90	
				\$ 7.12	\$ 205.02
27-Jul-01	10	192461	8	\$ 158.32	
				\$ 5.70	\$ 164.02
27-Jul-01	10	192460	9	\$ 178.11	
				\$ 6.41	\$ 184.52
27-Jul-01	10	192458	8	\$ 158.32	
				\$ 5.70	\$ 164.02

Date	TK #	Invoice #	Yds	Amount	
27-Jul-01	10	192453	10	\$ 197.90	
				\$ 7.12	\$ 205.02
27-Jul-01	10	192422	10	\$ 197.90	
				\$ 7.12	\$ 205.02
27-Jul-01	10	192420	10	\$ 197.90	
				\$ 7.12	\$ 205.02
30-Jul-01	13	192488	8	\$ 158.32	
				\$ 5.70	\$ 164.02
30-Jul-01	13	192483	9	\$ 178.11	
				\$ 6.41	\$ 184.52
30-Jul-01	13	192475	9	\$ 178.11	
				\$ 6.41	\$ 184.52
30-Jul-01	13	192473	9	\$ 178.11	
				\$ 6.41	\$ 184.52
30-Jul-01	13	192491	8	\$ 158.32	
				\$ 5.70	\$ 164.02
30-Jul-01	11	192493	8	\$ 158.32	
				\$ 5.70	\$ 164.02
30-Jul-01	11	192477	9	\$ 178.11	
				\$ 6.41	\$ 184.52
30-Jul-01	11	192474	8	\$ 158.32	
				\$ 5.70	\$ 164.02
30-Jul-01	11	192499	8	\$ 158.32	
				\$ 5.70	\$ 164.02
30-Jul-01	11	192470	9	\$ 178.11	
				\$ 6.41	\$ 184.52
30-Jul-01	11	192472	9	\$ 178.11	
				\$ 6.41	\$ 184.52
30-Jul-01	11	192487	9	\$ 178.11	
				\$ 6.41	\$ 184.52
30-Jul-01	11	192482	8	\$ 158.32	
				\$ 5.70	\$ 164.02
30-Jul-01	11	192490	9	\$ 178.11	
				\$ 6.41	\$ 184.52
31-Jul-01	11	192511	8	\$ 158.32	
				\$ 5.70	\$ 164.02
31-Jul-01	11	192506	9	\$ 178.11	
				\$ 6.41	\$ 184.52
31-Jul-01	11	192503	7	\$ 138.53	
				\$ 4.99	\$ 143.52
Total Page 1:			221	\$ 4,531.04	
Total Page 2:			174	\$ 3,567.42	
<b>Total All:</b>			<b>395</b>	<b>\$ 8,098.46</b>	<b>\$ 8,098.46</b>

192434



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 0465096 Unit # \_\_\_\_\_ Date 7-24 1901

Name Bremner (Cons)

Address \_\_\_\_\_ City Douglas Zip \_\_\_\_\_

Location	Cashier	Cash	Charge	Time	Third Party							
<u>LF</u>	<u>ms</u>		<input checked="" type="checkbox"/>	<u>10:02</u>								
Description	Total Yards	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount
			Compacted				Compacted					
			LS	RO	Res	Comm	LS	RO	Res	Comm		
	<u>9</u>										<u>19.79</u>	<u>178.11</u>

#128

Washington Refuse Tax  
Surcharge

6.41  
184.52

Driver's Signature Jerry Ripley

Total

192405



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 04105010 Unit # \_\_\_\_\_ Date 7-26 1901

Name Bremner (Cons)

Address \_\_\_\_\_ City DO Zip \_\_\_\_\_

Location	Cashier	Cash	Charge	Time	Third Party							
<u>LF</u>	<u>ms</u>		<input checked="" type="checkbox"/>	<u>12:50</u>								
Description	Total Yards	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount
			Compacted				Compacted					
			LS	RO	Res	Comm	LS	RO	Res	Comm		
	<u>0</u>										<u>118.74</u>	<u>118.74</u>

#128

Washington Refuse Tax  
Surcharge

4.27  
123.01

Driver's Signature Jerry Ripley

Total

192412



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 04105076 Unit # \_\_\_\_\_ Date 7-20-01

Name Brenner

Address \_\_\_\_\_ city DO Zip \_\_\_\_\_

Description	Total Yards	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount	
			Compacted				Compacted						
			LS	RO	Res	Comm	LS	RO	Res	Comm			
	9											178.11	

Washington Refuse Tax Surcharge 6.41

Driver's Signature Jerry Rieky Total 184.52

#128

192414



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 04105076 Unit # \_\_\_\_\_ Date 7-20-01

Name Brenner

Address \_\_\_\_\_ city DO Zip \_\_\_\_\_

Description	Total Yards	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount	
			Compacted				Compacted						
			LS	RO	Res	Comm	LS	RO	Res	Comm			
	9											178.11	

Washington Refuse Tax Surcharge 6.41

Driver's Signature Jerry Rieky Total 184.52

#128



192463



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 0465096 Unit # \_\_\_\_\_ Date 7-27 1901  
Name Brenner Const  
Address \_\_\_\_\_ City Doug WA Zip \_\_\_\_\_

Location	Cashier	Cash	Charge	Time	Third Party	Description						Rate	Amount		
						Unregulated Refuse				Regulated Refuse					
						LS	Compacted			LS	Compacted				
RO	Res	Comm	RO	Res	Comm										
<u>LF</u>	<u>ms</u>		<input checked="" type="checkbox"/>	<u>3:42</u>											

Driver's Signature Jerry Ruffley  
Washington Refuse Tax Surcharge 641  
Total 184.52

#128

192462



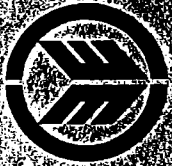
Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 0465096 Unit # \_\_\_\_\_ Date 7-27 1901  
Name Brenner Const  
Address \_\_\_\_\_ City Doug WA Zip \_\_\_\_\_

Location	Cashier	Cash	Charge	Time	Third Party	Description						Rate	Amount		
						Unregulated Refuse				Regulated Refuse					
						LS	Compacted			LS	Compacted				
RO	Res	Comm	RO	Res	Comm										
<u>LF</u>	<u>ms</u>		<input checked="" type="checkbox"/>	<u>3:00</u>											

Driver's Signature Jerry Ruffley  
Washington Refuse Tax Surcharge 641  
Total 184.52

192455



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 0465096 Unit # \_\_\_\_\_ Date 7-27-1901

Name Bremer

Address \_\_\_\_\_ City Dong Co Zip \_\_\_\_\_

Location	Cashier	Cash	Charge	Time	Third Party							
<u>UF</u>	<u>VNS</u>		<u>✓</u>	<u>2:22</u>								
Description	Total Yards	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount
			Compacted				Compacted					
	<u>9</u>		LS	RO	Res	Comm	LS	RO	Res	Comm		<u>178.11</u>

#128

Washington Refuse Tax  
Surcharge 6.41  
Total 184.52

Driver's Signature Jerry Ryley

192455



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 0465096 Unit # \_\_\_\_\_ Date 7-27-1901

Name Bremer Const

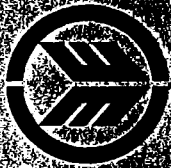
Address \_\_\_\_\_ City Dong Co Zip \_\_\_\_\_

Location	Cashier	Cash	Charge	Time	Third Party							
<u>UF</u>	<u>VNS</u>		<u>✓</u>	<u>1:45</u>								
Description	Total Yards	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount
			Compacted				Compacted					
	<u>9</u>		LS	RO	Res	Comm	LS	RO	Res	Comm	<u>19.79</u>	<u>178.11</u>

#128

Washington Refuse Tax  
Surcharge 6.41  
Total 184.52

Driver's Signature Jerry Ryley



**Waste Management of Greater Wenatchee**  
Regional Landfill and Transfer Station  
(509) 662-4591

192448

Customer # 0465096 Unit # \_\_\_\_\_ Date 7-27 1901

Name Bremner

Address \_\_\_\_\_ City Day Co Zip \_\_\_\_\_

Location <u>WE</u>	Cashier <u>MS</u>		Cash				Charge				Time <u>10:2</u>				Third Party	
	Total Yards <u>9</u>	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount				
			Compacted				Compacted									
Description	LS	RO	Res	Comm	LS	RO	Res	Comm	Rate	Amount						
											19.79	178.11				

# 128

Washington Refuse Tax Surcharge 6.41  
Total 184.52

Driver's Signature Jerry Orley



**Waste Management of Greater Wenatchee**  
Regional Landfill and Transfer Station  
(509) 662-4591

192429

Customer # 0465096 Unit # \_\_\_\_\_ Date 7-27 1901

Name Bremner Coast

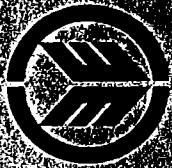
Address \_\_\_\_\_ City Day Co Zip \_\_\_\_\_

Location <u>WE</u>	Cashier <u>MS</u>		Cash				Charge				Time <u>9:16</u>				Third Party	
	Total Yards <u>9</u>	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount				
			Compacted				Compacted									
Description	LS	RO	Res	Comm	LS	RO	Res	Comm	Rate	Amount						
											19.79	178.11				

# 128

Washington Refuse Tax Surcharge 6.41  
Total 184.52

Driver's Signature Jerry Orley



**Waste Management of Greater Wenatchee**  
Regional Landfill and Transfer Station  
(509) 662-4591

192447

Customer # 0465096 Unit # \_\_\_\_\_ Date 7-27 1601

Name Bremner Const

Address \_\_\_\_\_ City Douglas Zip \_\_\_\_\_

Location	Cashier		Cash				Charge				Time	Third Party	
Description	Total Yards	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount	
			LS	Compacted			LS	Compacted					
				RO	Res	Comm			RO	Res	Comm		
	9											19.75	178.11

#128

Washington Refuse Tax Surcharge 6.41  
Total 184.52

Driver's Signature Jerry Ripley



**Waste Management of Greater Wenatchee**  
Regional Landfill and Transfer Station  
(509) 662-4591

192447

Customer # 0465096 Unit # \_\_\_\_\_ Date 7-27 1601

Name Bremner Const

Address \_\_\_\_\_ City Douglas Zip \_\_\_\_\_

Location	Cashier		Cash				Charge				Time	Third Party	
Description	Total Yards	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount	
			LS	Compacted			LS	Compacted					
				RO	Res	Comm			RO	Res	Comm		
	9												178.11

Washington Refuse Tax Surcharge 6.41  
Total 184.52

Driver's Signature Jerry Ripley



192426



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 0465094 Unit # \_\_\_\_\_ Date 7-27-01

Name Bremner Const

Address \_\_\_\_\_ City Dary WA Zip \_\_\_\_\_

Location	Cashier	Cash	Charge	Time	Third Party							
Description	Total Yards	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount
			Compacted				Compacted					
			LS	RO	Res	Comm	LS	RO	Res	Comm		
	8										19.79	158.32

Washington Refuse Tax  
Surcharge

5.70

Driver's Signature

*Jerry Bailey*

Total

164.02

#128

192461



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 0465096 Unit # \_\_\_\_\_ Date 7-27-01

Name Bremner Const

Address \_\_\_\_\_ City Dary WA Zip \_\_\_\_\_

Location	Cashier	Cash	Charge	Time	Third Party							
Description	Total Yards	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount
			Compacted				Compacted					
			LS	RO	Res	Comm	LS	RO	Res	Comm		
	8										19.79	158.32

Washington Refuse Tax  
Surcharge

5.70

Driver's Signature

*Jerry*

Total

164.02

#128

192460



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 0465096 Unit # \_\_\_\_\_ Date 7-27 / 01

Name Bremner Const

Address \_\_\_\_\_ City Douglas Co Zip \_\_\_\_\_

Description	Total Yards	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount
			Compacted				Compacted					
			LS	RO	Res	Comm	LS	RO	Res	Comm		
	9										19.79	178.11

# 128

Washington Refuse Tax Surchage 6.41  
Total 184.52

Driver's Signature [Signature]

192458



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 0465096 Unit # \_\_\_\_\_ Date 7-27 / 01

Name Bremner Const

Address \_\_\_\_\_ City Douglas Co Zip \_\_\_\_\_

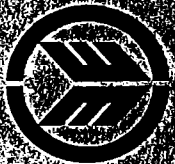
Description	Total Yards	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount
			Compacted				Compacted					
			LS	RO	Res	Comm	LS	RO	Res	Comm		
	8										19.79	158.32

# 128

Washington Refuse Tax Surchage 5.70  
Total 164.02

Driver's Signature [Signature]

192458



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 04650916 Unit # \_\_\_\_\_ Date 7-27-10

Name Breimmer

Address \_\_\_\_\_ City Douglas Co Zip \_\_\_\_\_

* Location	Cashier	Cash	Charge	Time	Third Party											
					Total Yards	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount
							Compacted				Compacted					
Description					LS	RO	Res	Comm	LS	RO	Res	Comm				
	10													8.87	88.70	
														19.79	197.90	
<i>Corrected ticket to be sent, 8/1/11</i>																
														7.6		

Washington Refuse Tax  
Surcharge

Driver's Signature [Signature]

Total 205.02

192422



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 04650916 Unit # \_\_\_\_\_ Date 7-27-10

Name Breimmer

Address \_\_\_\_\_ City Douglas Co Zip \_\_\_\_\_

* Location	Cashier	Cash	Charge	Time	Third Party											
					Total Yards	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount
							Compacted				Compacted					
Description					LS	RO	Res	Comm	LS	RO	Res	Comm				
	10													19.79	197.90	
<i>#128</i>																

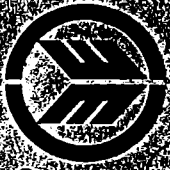
Washington Refuse Tax  
Surcharge

Driver's Signature [Signature]

Total 205.02



192475



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 041050910 Unit # \_\_\_\_\_ Date 7-30-01

Name Brenner Cons

Address \_\_\_\_\_ City DO Zip \_\_\_\_\_

Location	Cashier	Cash	Charge	Time	Third Party							
Description	Total Yards	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount
			LS	RO	Res	Comm	LS	RO	Res	Comm		
	9											178.11

#128

Washington Refuse Tax  
Surcharge

641  
184.52

Driver's Signature Carol Mowatt

Total

192483



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 041050910 Unit # \_\_\_\_\_ Date 7-30-01

Name Brenner

Address \_\_\_\_\_ City DO Zip \_\_\_\_\_

Location	Cashier	Cash	Charge	Time	Third Party							
Description	Total Yards	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount
			LS	RO	Res	Comm	LS	RO	Res	Comm		
	9											178.11

#128

Washington Refuse Tax  
Surcharge

641  
184.52

Driver's Signature Carol Mowatt

Total



192493



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 04650541 Unit # \_\_\_\_\_ Date 7-30-01  
Name Bremner  
Address \_\_\_\_\_ City DO Zip \_\_\_\_\_

Location	Cashier	Cash	Charge	Time	Third Party							
				9:45								
Description	Total Yards	Gals	Unregulated Refuse			Regulated Refuse			Rate	Amount		
			LS	Compacted		LS	Compacted					
	7			RO	Res	Comm		RO	Res	Comm		

#168

Washington Refuse Tax Surchage 6.41  
Total 184.52

Driver's Signature Jerry Ripley

192493



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 04650541 Unit # \_\_\_\_\_ Date 7-30-01  
Name Bremner  
Address \_\_\_\_\_ City DO Zip \_\_\_\_\_

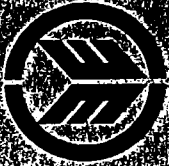
Location	Cashier	Cash	Charge	Time	Third Party							
				12:55								
Description	Total Yards	Gals	Unregulated Refuse			Regulated Refuse			Rate	Amount		
			LS	Compacted		LS	Compacted					
	8			RO	Res	Comm		RO	Res	Comm		

#168

Washington Refuse Tax Surchage 5.70  
Total 164.02

Driver's Signature Jerry Ripley

192474



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 04450910 Unit # \_\_\_\_\_ Date 7-30-01

Name Bromberg Cons

Address \_\_\_\_\_ City DO Zip \_\_\_\_\_

Location		Cashier		Cash				Charge				Time		Third Party	
Description	Total Yards	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount			
			Compacted				Compacted								
			LS	RO	Res	Comm	LS	RO	Res	Comm					
	8													58.32	

Washington Refuse Tax  
Surcharge

5.70

Total

114.02

Driver's Signature

*Jerry Orfley*

#128

192474



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 04450910 Unit # \_\_\_\_\_ Date 7-30-01

Name Bromberg Cons

Address \_\_\_\_\_ City DO Zip \_\_\_\_\_

Location		Cashier		Cash				Charge				Time		Third Party	
Description	Total Yards	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount			
			Compacted				Compacted								
			LS	RO	Res	Comm	LS	RO	Res	Comm					
	8													58.32	

Washington Refuse Tax  
Surcharge

5.70

Total

114.02

Driver's Signature

*Jerry Orfley*

#128



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

192470

Customer # 0465010 Unit # \_\_\_\_\_ Date 7-30-01  
Name Brenner  
Address \_\_\_\_\_ City DO Zip \_\_\_\_\_

Location	Cashier		Cash		Charge		Time		Third Party			
Description	Total Yards	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount
			LS	Compacted		LS	Compacted					
				RO	Res		Comm	LS	RO	Res	Comm	
	9											178.11

Driver's Signature Jerry Riepley Washington Refuse Tax Surcharge \_\_\_\_\_ Total 184.52

#128

192470



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 0465010 Unit # \_\_\_\_\_ Date 7-30-01  
Name Brenner  
Address \_\_\_\_\_ City DO Zip \_\_\_\_\_

Location	Cashier		Cash		Charge		Time		Third Party			
Description	Total Yards	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount
			LS	Compacted		LS	Compacted					
				RO	Res		Comm	LS	RO	Res	Comm	
	9											178.11

Driver's Signature Jerry Riepley Washington Refuse Tax Surcharge \_\_\_\_\_ Total 184.52

#128





Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

192490

Customer # 105011 Unit # \_\_\_\_\_ Date 7-31-01

Name Bremner

Address city DO Zip \_\_\_\_\_

Location	Cashier	Cash	Charge	Time	Third Party	Description						Rate	Amount		
						Unregulated Refuse			Regulated Refuse					Rate	Amount
						LS	Compacted		LS	Compacted					
RO	Res	Comm	RO	Res	Comm										
			X	11:00		8							158.32		

#128

Washington Refuse Tax Surcharge 5.10  
Driver's Signature Jerry Ripley Total 164.02

192490



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 105091 Unit # \_\_\_\_\_ Date 7-30-01

Name Bremner Const

Address \_\_\_\_\_ City DO Zip \_\_\_\_\_

Location	Cashier	Cash	Charge	Time	Third Party	Description						Rate	Amount		
						Unregulated Refuse			Regulated Refuse					Rate	Amount
						LS	Compacted		LS	Compacted					
RO	Res	Comm	RO	Res	Comm										
			X			9							178.11		

#128

Washington Refuse Tax Surcharge 6.41  
Driver's Signature Jerry Ripley Total 184.52

32503



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 04650916 Unit # \_\_\_\_\_ Date 7-31-01

Name Stremmer

Address \_\_\_\_\_ City DD Zip \_\_\_\_\_

Location	Cashier	Total Yards	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount	
				Compacted				Compacted						
				LS	RO	Res	Comm	LS	RO	Res	Comm			
<u>FJD</u>		<u>7</u>												

# 628  
\$138.50

Washington Refuse Tax  
Surcharge

4.99

Driver's Signature Jerry Ripley

Total 143.50

192506



Waste Management of Greater Wenatchee  
Regional Landfill and Transfer Station  
(509) 662-4591

Customer # 04650916 Unit # \_\_\_\_\_ Date 7-31-01

Name Stremmer

Address \_\_\_\_\_ City DD Zip \_\_\_\_\_

Location	Cashier	Total Yards	Gals	Unregulated Refuse				Regulated Refuse				Rate	Amount	
				Compacted				Compacted						
				LS	RO	Res	Comm	LS	RO	Res	Comm			
<u>FJD</u>		<u>9</u>												

# 128

Washington Refuse Tax  
Surcharge

6.41

Driver's Signature Jerry Ripley

Total 184.92







**APPENDIX C**  
**PHOTOGRAPHIC LOG**

**SITE PHOTOGRAPHS  
WILLAMETTE COURT APARTMENTS**



**Photo 1:** South-facing view between the two structures, 581 and 583, before excavation activities.



**Photo 2:** View of transformer/telephone pedestal before excavation activities.

**SITE PHOTOGRAPHS  
WILLAMETTE COURT APARTMENTS**



**Photo 3:** North-facing view of western perimeter after excavated to 18 inches below grade. Trench along western perimeter excavated to 36 inches below grade.



**Photo 4:** View of northeast corner of site after excavated to 12-18 inches below grade.

**SITE PHOTOGRAPHS  
WILLAMETTE COURT APARTMENTS**



**Photo 5:** Geotextile along western perimeter.



**Photo 6:** Geotextile along northern perimeter.

**SITE PHOTOGRAPHS  
WILLAMETTE COURT APARTMENTS**



**Photo 7:** Edge of geotextile at eastern perimeter after 12 inches of gravel fill placed.



**Photo 8:** West-facing view of transformer/telephone pedestal during placement of gravel fill.

**SITE PHOTOGRAPHS  
WILLAMETTE COURT APARTMENTS**



**Photo 9:** Clean gravel fill source along Columbia River.

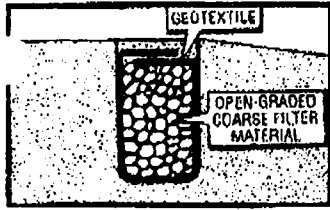


**Photo 10:** Loading clean topsoil from source on Blue Grade Road.

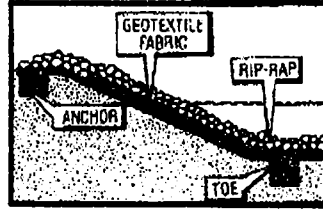
**APPENDIX D**  
**GEOTEXTILE PROPERTIES**

# Nonwoven Geotextiles

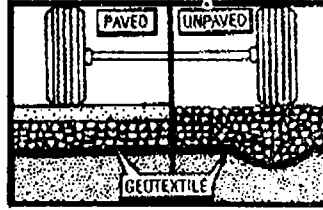
MATL IN STAIR



Subsurface Drainage



Erosion Control



Separation

Carthage Mills' line of nonwoven geotextiles offers solutions for many drainage, erosion control and separation applications. Constructed of 100% polypropylene staple filaments, needle punched and heatset, the FX-Line™ of nonwovens ranges in weight from 3 to 30 ounces per square yard.

**FX-30HS, FX-35HS, FX-40HS:** These lightweight fabrics are typically used in underdrain systems to prevent soils from entering the drainage system. They also can be used as a separator under pavers and driveways.

**FX-60HS, FX-70HS, FX-80HS:** These medium weight fabrics are typically used under riprap to limit the loss of fines in slope and non-critical shoreline applications. They can also be used as separators under parking lots and roadways.

**FX-100HS, FX-120HS, FX-160HS:** These heavy weight fabrics are typically used as separators under railroad ballast and roadways, under shoreline riprap, and as protective cushions under impermeable liners.

## Nonwoven Geotextiles

Properties Test Method	FX-30HS	FX-35HS	FX-40HS	FX-45HS	FX-60HS	FX-70HS	FX-80HS	FX-100HS	FX-120HS	FX-160HS
Weight, oz/sy ASTM D-3776	3.0	3.5	4.0	4.5	6.0	7.0	8.0	10.0	12.0	16.0
Tensile Strength, lbs. ASTM D-4632	80	95	115	120	160	180	205	250	300	380
Elongation @ Break, % ASTM D-4632	50	50	50	50	50	50	50	50	50	50
Mullen Burst, psi ASTM D-3786	150	185	210	230	280	330	350	460	580	750
Puncture Strength, lbs. ASTM D-4833	50	55	65	65	85	100	105	150	175	240
Trapezoidal Tear, lbs. ASTM D-4533	30	40	50	50	60	75	85	100	115	145
AOS - U.S. Std Sieve ASTM D-4751	70	70	70	70	70	70	80	100	100	100
Permittivity, sec <sup>-1</sup> ASTM D-4491	2.0	2.0	2.0	1.5	1.3	1.5	1.5	1.2	1.0	0.7
U.V. Resistance, % ASTM D-4355 (500 hrs)	70	70	70	70	70	70	70	70	70	70

Distributed By:

## Carthage Mills

4243 Hunt Road • Cincinnati, OH 45242  
513-794-1600 • 800-543-4430 • 513-794-3434 FAX

Carthage Mills

The information presented herein, while not guaranteed, is to the best of our knowledge true and correct. Except when agreed to in working conditions of use, no warranty expressed or implied is made regarding the performance of any product, since the manner of use and handling is beyond our control. Any implied warranty or fitness for a particular purpose is expressly excluded. Any recommendations made by Seller concerning uses or applications of said products are believed reliable and Seller makes no warranty of results to be obtained. All geotextiles shall be installed in accordance with the contract plans and documents. The contractor shall be responsible for proper installation as directed by the Engineer and/or the contract documents. (11/2/98)

# Carthage Mills

"Since 1958 - America's First Geotextile Company"



## FX-60HS

A Nonwoven Multipurpose Fabric of 100% Polypropylene STAPLE FILAMENTS,  
Needlepunched and Heatset.

### Product Test Data

Property	Test Method	<i>English</i>	<i>Metric</i>
Weight	ASTM D-3776	6.0 oz/ey	203 gm/sm
Tensile Strength	ASTM D-4632	160 lbs	710 N
Elongation @ Break	ASTM D-4632	50%	50%
Mullen Burst	ASTM D-3786	280 psi	1930 kPa
Puncture Strength	ASTM D-4833	85 lbs	380 N
Trapezoidal Tear	ASTM D-4533	60 lbs	270 N
Apparent Opening Size	ASTM D-4751	70 US Sieve	0.210 mm
Permittivity	ASTM D-4491	1.3 sec <sup>-1</sup>	1.3 sec <sup>-1</sup>
U.V. Resistance % Retained (500 hrs)	ASTM D-4355	70%	70%

Test results represent Minimum Average Roll Values (MARV) with the exception of weight which is a typical result.

Standard Roll Sizes: 12.5' x 300', 15' x 300'

Seller makes no warranty, expressed or implied, concerning the product furnished hereunder other than as the steps of delivery it shall be of the quality and specification stated herein. Any implied warranty of fitness for a particular purpose is expressly excluded, and, to the extent that it is contrary to the foregoing sentence, any implied warranty of merchantability is expressly excluded. Any recommendations made by seller concerning the use or applications of said product are believed reliable and seller makes no warranty of results to be obtained. If the product does not meet Carthage Mills current published specifications, and the customer gives notice to Carthage Mills before installing the product, then Carthage Mills will replace the product without charge or refund the purchase price.

10/12/91

4243 Hunt Road • Cincinnati OH 45242 • 513-794-1600 • 800-543-4430 • 513-794-3434 FAX



# Carthage Mills

"Since 1928 - America's First Geotextile Company"

## Manufacturer's Product Equivalents

Carthage Mills	Mirafi	Wehtec	TNS	Amoco	Synthetic	Lint
FX-30HS	N/A	NO3	R031	4535	311	3301
FX-35HS	140NL	NO4	R035	4545	351	3341/125EX
FX-38OL	Mirapave	OL	CO39	Peromat 4598	381	N/A
FX-40HS	140N	SD	R040	4547	401	3401/130EX
FX-60HS	160N	NO6	R060	4551	601	3601/150EX
FX-70HS	170N	NO7	R070	4552	701	3631/180EX
FX-80HS	180N	NO8	R080	4553	801	225EX
FX-100HS	1100N	NO10	R100	4555	1001	250EX
FX-120HS	1120N	NO12	R120	4557	1201	275EX
FX-160HS	1160N	NO16	R160	4561	1601	350EX

## Woven Slit Film Fabrics

Carthage Mills	Mirafi	Wehtec	TNS	Amoco	Synthetic	Lint
FX-33	N/A	N/A	N/A	N/A	125ST	N/A
FX-44	500XL	GS-150	N/A	2000	135ST	GTF200F
FX-55	500X	GS	W200	2002	200ST	GTF200
FX-66	600X	HD	W300	2006	300ST	GTF300
FX-77	800X	N/A	N/A	2016	200R	N/A

## Woven Monofilament Fabrics

Carthage Mills	Mirafi	Wehtec	TNS	Amoco	Synthetic	Lint
Carthage 6%	700X	EP	M706	1199	Geotex 104F	GTF400E
Carthage 10%	40/10	N/A	N/A	N/A	Geotex 111F	N/A
Carthage 15%	700XG	N/A	N/A	1198	Geotex 117F	N/A
Carthage 30%	40/30A	N/A	N/A	N/A	N/A	N/A

\*This information is to be used as a guideline only. When quoting projects which have actual specifications please call 800-543-4430.

September 17, 1999

4243 Hunt Road • Cincinnati, Ohio 45242 • 513-794-1600 • 800-543-4430 • 513-794-3434 FAX

**APPENDIX E**

**IMPORTED SOIL DELIVERY TICKETS**

# BREMMER CONSTRUCTION. INC.

## Daily Truck Log

IK-11 / S Hodge

Date 7-31-01

TIME	PIT	MATERIAL	JOBSITE	DRIVER
6:00				
6:15				
6:30				
6:45				
7:00	583	DIRT	Dump	Jay
7:15				
7:30				
7:45				
8:00				
8:15				
8:30				
8:45				
9:00	583	DIRT	Dump	Jay
9:15				
9:30				
9:45				
10:00	583	DIRT	Dump	Jay
10:15				
10:30				
10:45				
11:00				
11:15	583			
11:30				
11:45				
12:00				
12:15				
12:30	mine	DIRT	583	Jay
12:45				
1:00				
1:15				
1:30	mine	DIRT	583	Jay
1:45				
2:00				
2:15				
2:30	mine	DIRT	mine	Jay
2:45				
3:00				
3:15				
3:30				
3:45				
4:00				
4:15				
4:30				
4:45				
5:00				
5:15				
5:45				
6:00				

# BREMMER CONSTRUCTION, INC.

## Daily Truck Log

TK-12 / T Emerson

Date 8-2-01

TIME	PIT	MATERIAL	JOB SITE	DRIVER
6:00				
6:15				
6:30				
6:45				
7:00	ROCK ISLAND	FILL	EASTMOET	EMERSON
7:15				
7:30				
7:45	ROCK ISLAND	FILL	EASTMOET	J
8:00				
8:15				
8:30				
8:45				
9:00				
9:15				
9:30				
9:45				
10:00				
10:15				
10:30				
10:45				
11:00				
11:15				
11:30				
11:45				
12:00				
12:15				
12:30				
12:45				
1:00				
1:15				
1:30				
1:45				
2:00				
2:15				
2:30				
2:45				
3:00				
3:15				
3:30				
3:45				
4:00				
4:15				
4:30				
4:45				
5:00				
5:15				
5:45				
6:00				

# BREMMER CONSTRUCTION, INC.

## Daily Truck Log

TK-10 / L Marshall

Date 8-3-2001

TIME	PIT	MATERIAL	JOBSITE	DRIVER
8:00				
8:15				
8:30				
8:45				
7:00	Rock Island	Fill	6th	Larry M
7:15				
7:30				
7:45	"	"	"	"
8:00				
8:15				
8:30	"	"	"	"
8:45				
9:00	"	"	"	"
9:15				
9:30	"	"	"	"
9:45				
10:00				
10:15	"	"	"	"
10:30				
10:45	"	"	"	"
11:00				
11:15				
11:30	"	"	"	"
11:45				
12:00				
12:15				
12:30	Del Duka	SPoil	Perry Jr	Larry M
12:45				
1:00	"	"	Woods	Larry M
1:15				
1:30				
1:45				
2:00				
2:15				
2:30				
2:45				
3:00				
3:15				
3:30				
3:45				
4:00				
4:15				
4:30				
4:45				
5:00				
5:15				
5:45				
6:00				

6555

# BREMMER CONSTRUCTION. INC.

Daily Truck Log

1K-11 / S Dodge

Date 8-3-01

TIME	PIT	MATERIAL	JOBSITE	DRIVER
6:00				
6:15				
6:30				
6:45	✓ R.T	BN	SP3	Jr
7:00				
7:15	✓ R.T	FIN	SP3	Jr
7:30				
7:45				
8:00				
8:15	✓ R.T	FILL	SP3	Jr
8:30				
8:45	✓ R.T	FIN	SP3	Jr
9:00				
9:15				
9:30	✓ R.T	ELL	SP3	Jr
9:45				
10:00	✓ R.T	FIN	SP3	Jr
10:15				
10:30	✓ R.T	FIN	SP3	Jr
10:45				
11:00	✓ R.T	FIN	SP3	Jr
11:15				
11:30				
11:45	✓ R.T	FIN	SP3	Jr
12:00				
12:15				
12:30				
12:45				
1:00				
1:15				
1:30				
1:45				
2:00	Ken	Rock	woods	Jr
2:15				
2:30	Ken	Rock	woods	Jr
2:45	Ken	Rock	woods	Jr
3:00				
3:15	Ken	Rock	woods	Jr
3:30	Ken	Rock	woods	Jr
3:45				
4:00	Ken	Rock	woods	Jr
4:15				
4:30				
4:45				
5:00				
5:15				
5:45				
6:00				

615-445-10 1/2 hr

# BREMMER CONSTRUCTION, INC.

## Daily Truck Log

TK-13 / C Navarro

Date 08-03-01

TIME	PIT	MATERIAL	JOB SITE	DRIVER
6:00				
6:15				
6:30				
6:45				
7:00				
7:15		<del>SPoil</del>		Carlos N
7:30	ROCK Island	SPoil Fill	6th	
7:45				
8:00				
8:15				
8:30	ROCK Island	SPoil Fill	6th	Carlos
8:45				
9:00	ROCK Island	SPoil Fill	6th	Carlos
9:15				
9:30				
9:45				
10:00	ROCK Island	SPoil Fill	6th	Carlos
10:15				
10:30				Carlos
10:45	ROCK Island	SPoil Fill	6th	
11:00				
11:15				
11:30	ROCK Island	SPoil Fill	6th	Carlos
11:45				
12:00	ROCK Island	SPoil Fill	6th	Carlos
12:15				
12:30				
12:45				
1:00				
1:15				
1:30				
1:45				
2:00				
2:15				
2:30				
2:45				
3:00				
3:15				
3:30				
3:45				
4:00				
4:15				
4:30				
4:45				
5:00				
5:15				
5:45				
6:00				

# BREMMER CONSTRUCTION, INC.

## Daily Truck Log

TK-13 / C Navarro

Date 08-06-01

TIME	PIT	MATERIAL	JOBSITE	DRIVER
6:00				
6:15				
6:30				
6:45				
7:00				
7:15				
7:30				
7:45				
8:00				
8:15				
8:30				
8:45				
9:00				
9:15				
9:30				
9:45				
10:00	BLUE CLAY	Dirt	6 st	Perkins Navarro
10:15		(TOP 2014)		
10:30				
10:45				
11:00				
11:15				
11:30				
11:45				
12:00				
12:15				
12:30				
12:45				
1:00				
1:15				
1:30				
1:45				
2:00				
2:15				
2:30				
2:45				
3:00				
3:15				
3:30				
3:45				
4:00				
4:15				
4:30				
4:45				
5:00				
5:15				
5:45				
6:00				

# BREMMER CONSTRUCTION, INC.

## Daily Truck Log

TK-10 / L Marshall

Date 8 - 6 - 2001

TIME	PIT	MATERIAL	JOBSITE	DRIVER
6:00				
6:15				
6:30				
6:45				
7:00				
7:15	1011049	Fill	6th	Larry M
7:30				
7:45				
8:00				
8:15				
8:30				
8:45				
9:00				
9:15				
9:30				
9:45	Had to get Ford out			
10:00				
10:15				
10:30				
10:45				
11:00				
11:15				
11:30				
11:45				
12:00				
12:15				
12:30				
12:45	Blue grade	TOP SOIL	6th	Larry M
1:00				
1:15				
1:30				
1:45	Blue grade	TOP SOIL	6th	Larry M
2:00				
2:15				
2:30				
2:45	Blue grade	TOP SOIL	6th	Larry M
3:00				
3:15				
3:30				
3:45				
4:00				
4:15				
4:30				
4:45				
5:00				
5:15				
5:45				
6:00				

1010

**BREMMER CONSTRUCTION, INC.**

**Daily Truck Log**

1K-11 / S Hodge

Date 8-6-01

TIME	PIT	MATERIAL	JOB SITE	DRIVER
6:00				
6:15				
6:30				
6:45				
7:00				
7:15	Ken	Rock	woods	Jay
7:30				
7:45	Ken	Rock	woods	Jay
8:00				
8:15				
8:30	Ken	Rock	woods	Jay
8:45	Ken	Rock	woods	Jay
9:00	Ken	Rock	woods	Jay
9:15	Ken	Rock	"	Jay
9:30	Ken	Rock	"	Jay
9:45				
10:00	Ken	Rock	woods	Jay
10:15				
10:30	Ken	Rock	woods	Jay
10:45				
11:00	Ken	Rock	woods	Jay
11:15				
11:30	Ken	Rock	woods	Jay
11:45				
12:00				
12:15				
12:30				
12:45	Blue Grade	TOP SOIL	SP3	
1:00				
1:15				
1:30				
1:45	Blue Grade	TOP SOIL	SP3	
2:00				
2:15				
2:30				
2:45	Blue Grade	TOP SOIL	SP3	
3:00				
3:15	Loader Brakes Failed, Ran INTO			
3:30	Truck Box & Boom Rack extensively,			
3:45	Loader Battery Died			
4:00				
4:15				
4:30				
4:45				
5:00				
5:15				
5:45				
6:00				

# BREMNER CONSTRUCTION. INC.

## Daily Truck Log

IK-11 / S Hodge

Date 8-7-01

TIME	PIT	MATERIAL	JOB SITE	DRIVER
6:00	Ren	Rock	Woods	Dany
6:15				
6:30	Ren	Rock	Woods	
6:45	Ren	h	h	
7:00				
7:15	Ren	h	h	
7:30				
7:45	Ren	h	h	
8:00	Ren	h	h	
8:15				
8:30	Ren	h	h	
8:45	Ren	h	h	
9:00				
9:15	Ren	h	h	
9:30				
9:45				
10:00	Blk Up Grade	Top Soil	Eastman	
10:15				
10:30				
10:45				
11:00				
11:15				
11:30	Blue Grade	Top Soil	Eastman	
11:45				
12:00				
12:15				
12:30				
12:45				
1:00				
1:15				
1:30				
1:45				
2:00				
2:15				
2:30				
2:45				
3:00				
3:15				
3:30				
3:45				
4:00				
4:15				
4:30				
4:45				
5:00				
5:15				
5:45				
6:00				

# BREMMER CONSTRUCTION, INC.

## Daily Truck Log

TK-10 / L Marshall

Date 8.7.2001

TIME	PIT	MATERIAL	JOBSITE	DRIVER
6:00				
6:15				
6:30				
6:45				
7:00	Blue grade	TOP soil	G <sup>TH</sup>	Larry
7:15				
7:30				
7:45	"	"	"	"
8:00				
8:15				
8:30	"	"	"	"
8:45				
9:00				
9:15	"	"	"	"
9:30				
9:45				
10:00	"	"	"	"
10:15				
10:30				
10:45	"	"	"	"
11:00				
11:15				
11:30	"	"	"	"
11:45				
12:00				
12:15				
12:30				
12:45				
1:00				
1:15				
1:30				
1:45				
2:00				
2:15				
2:30				
2:45				
3:00				
3:15				
3:30				
3:45				
4:00				
4:15				
4:30				
4:45				
5:00				
5:15				
5:45				
6:00				

# BREMMER CONSTRUCTION, INC.

## Daily Truck Log

TK-12 / T Emerson

Date 8-7-01

TIME	PIT	MATERIAL	JOBSITE	DRIVER
6:00				
6:15				
6:30				
6:45				
7:00				
7:15				
7:30	BLUE GRADE	TOPSOIL	W. & EAST ST	TEROY
7:45				
8:00				
8:15				
8:30	BLUE GRADE			
8:45				
9:00				
9:15				
9:30	BLUE GRADE			
9:45				
10:00				
10:15				
10:30	BLUE GRADE			
10:45				
11:00				
11:15				
11:30				
11:45				
12:00	JIM ROBERTS CHANGED OVER			
12:15				
12:30				
12:45				
1:00				
1:15				
1:30				
1:45				
2:00				
2:15				
2:30				
2:45				
3:00				
3:15				
3:30				
3:45				
4:00				
4:15				
4:30				
4:45				
5:00				
5:15				
5:45				
6:00				

# BREMMER CONSTRUCTION, INC.

## Daily Truck Log

TK-10 / L Marshall

Date 8-9-2001

TIME	PIT	MATERIAL	JOBITE	DRIVER
6:00				
6:15				
6:30				
6:45				
7:00	<del>0.8/42</del> 5146	TOPSOIL	625	43 10-17-7
7:15				
7:30				
7:45				
8:00				
8:15				
8:30				
8:45				
9:00				
9:15				
9:30				
9:45				
10:00				
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10:30				
10:45				
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2:45				
3:00				
3:15				
3:30				
3:45				
4:00				
4:15				
4:30				
4:45				
5:00				
5:15				
5:45				
6:00				

**Haul-in 581 - 583 Eastmont Ave**

Date	TK-10 (12 yds)	TK-11 (10 yds)	TK-12 (12 yds)	TK-13 (12 yds)		
31-Jul-01		2				
3-Aug-01	8	9	2	7		
6-Aug-01	1					
Fill	9	11	2	7	29	loads
					328.0	yds
6-Aug-01	3	3		1		
7-Aug-01	7	2	4			
9-Aug-01	1					
Topsoil	11	5	4	1	21	loads
					242.0	yds