BRAUN INTERTEC

Braun Intertec Corporation
2831 Larson Street
La Crosse, Wisconsin 54603-1814
608-781-7277 Fax: 781-7279

Engineers and Scientists Serving the Built and Natural Environments

February 25, 2000

Project CNEX-99-249A

Ms. Gina Keenan
Hydrogeologist
Wisconsin Department of Natural Resources - Southeast Region
P.O. Box 12436
Milwaukee, WI 53212-0436

Dear Ms. Keenan:

Re: WDNR Monitoring Well Abandonment Forms, Strategic Materials site, 12305 West Silver Spring Road, Milwaukee, Wisconsin, BRR-ERP FID #241486630; BRRTS #02-41-236898, #02-41-236899 and #02-41-236900

The monitoring wells at the above-referenced site were properly abandoned on February 17, 2000. The abandonment forms are attached for your records. The abandonment work was done by Giles Engineering, Inc. in accordance with Chapter NR 141 of the Wisconsin Administrative Code. As you indicated in your January 11, 2000 closure letter, there will be no further correspondence regarding this site. Thank you for your time and cooperation in this matter.

Sincerely,
Braun Intertec Corporation

Mark L. Gretebeck
Project Manager

c: Mr. Randall Slinkard - Strategic Materials, Inc.
Mr. Al Gleissner - Maral Properties, LLC

Enclosures

f:\projcnex\mlg99249\corres\abandltr

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 7-89

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: MW-3

County: Milwaukee

NW 1/4 of NW 1/4 of Sec. 31 ; T. 8 N; R. 21 ☒ E ☐ W

(If applicable) Gov't Lot ____ Grid Number ____

Grid Location ____ ft. ☐ N. ☐ S., ____ ft. ☐ E. ☐ W.

Civil Town Name: Milwaukee

Street Address of Well: 12305 West Silver Spring Road

City, Village: Milwaukee, WI

(2) FACILITY NAME

Original Well Owner (If Known): Strategic Materials, Inc.

Present Well Owner: —Same—

Street or Route: 5151 San Felipe, Suite 1400

City, State, Zip Code: Houston, TX 77056-3609

Facility Well No. and/or Name (If Applicable) | WI Unique Well No.: ____

Reason For Abandonment: Site Closure

Date of Abandonment: 2-17-00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) ____

☒ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) ____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 16.1 Casing Diameter (ins.) ____
(From groundsurface)

Casing Depth (ft.) ____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ____ Feet

(4) Depth to Water (Feet) 11.01

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☒ No	☐ Not Applicable
Casing Left in Place?	☒ Yes	☐ No	

If No, Explain ____

Was Casing Cut Off Below Surface?	☒ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Bentonite Chips	Surface	16.0	1.5	

(8) Comments: ____

(9) Name of Person or Firm Doing Sealing Work: Giles Engineering

Signature of Person Doing Work: [signature] * Date Signed: 2-21-00

Street or Route ____ Telephone Number ( )

City, State, Zip Code ____

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 7-89

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: MW-6

County: Milwaukee

NW 1/4 of NW 1/4 of Sec. 31 ; T. 8 N; R. 21 ☒ E ☐ W

(If applicable) Gov't Lot ____ Grid Number ____

Grid Location ____ ft. ☐ N. ☐ S., ____ ft. ☐ E. ☐ W.

Civil Town Name: Milwaukee

Street Address of Well: 12305 West Silver Spring Road

City, Village: Milwaukee, WI

(2) FACILITY NAME

Original Well Owner (If Known): Strategic Materials, Inc.

Present Well Owner: — Same —

Street or Route: 5151 San Felipe, Suite 1400

City, State, Zip Code: Houston, TX 77056-3609

Facility Well No. and/or Name (If Applicable) | WI Unique Well No.: _____

Reason For Abandonment: Site Closure

Date of Abandonment: 2-17-00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) ____

☒ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) ____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 19.0 Casing Diameter (ins.) ____
(From groundsurface)

Casing Depth (ft.) ____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ____ Feet

(4) Depth to Water (Feet) 14.89

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☒ No	☐ Not Applicable
Casing Left in Place?	☒ Yes	☐ No	

If No, Explain: ____

Was Casing Cut Off Below Surface?	☒ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
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☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Bentonite Chips	Surface	19.0	1.5	

(8) Comments: ____

(9) Name of Person or Firm Doing Sealing Work: Giles Engineering

Signature of Person Doing Work: * [signature] Date Signed: 2-21-00

Street or Route: ____ Telephone Number: ( )

City, State, Zip Code: ____

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected: ____ District/County: ____

Reviewer/Inspector: ____

Follow-up Necessary: ____

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 7-89

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: MW-10

County: Milwaukee

NW 1/4 of NW 1/4 of Sec. 31 ; T. 8 N; R. 21 ☒ E ☐ W.

(If applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Milwaukee

Street Address of Well: 12305 West Silver Spring Road

City, Village: Milwaukee, WI

(2) FACILITY NAME

Original Well Owner (If Known): Strategic Materials, Inc.

Present Well Owner: -Same-

Street or Route: 5751 San Felipe, Suite 1400

City, State, Zip Code: Houston, TX 77056-3609

Facility Well No. and/or Name (If Applicable) | WI Unique Well No.: _____

Reason For Abandonment: Site Closure

Date of Abandonment: 2-17-00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____

☒ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 19.0 Casing Diameter (ins.) _____
(From groundsurface)

Casing Depth (ft.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 14.78

Pump & Piping Removed?	☐ Yes	☒ No	☐ Not Applicable
Liner(s) Removed?	☐ Yes	☒ No	☐ Not Applicable
Screen Removed?	☐ Yes	☒ No	☐ Not Applicable
Casing Left in Place?	☒ Yes	☐ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☒ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
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If Yes, Was Hole Retopped?	☐ Yes	☐ No

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☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials
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Bentonite Chips	Surface	19.0	1.5	

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work: Giles Engineering

Signature of Person Doing Work: [signature] * Date Signed: 2-21-00

Street or Route _____ Telephone Number ( )

City, State, Zip Code _____

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected _____ District/County _____

Reviewer/Inspector _____

Follow-up Necessary _____

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region
Milwaukee Service Center
2300 N. Dr. ML King Drive, PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8716
TDD 414-263-8713

January 11, 2000

Ms. Jennifer Black
Allwaste, Inc.
5151 San Felipe, Suite 1600
Houston, Texas 77056-3609

Subject: Request for closure, Strategic Materials site, 12305 West Silver Spring Road, Milwaukee, Wisconsin. BRR-ERP FID#241486630; BRRTS: #02-41-236898; #02-41-236899; and #02-41-236900.

Dear Ms. Black:

We have reviewed the referenced case file for closure of the above listed sites. These sites are the gasoline and diesel aboveground storage tanks; the waste oil aboveground storage tank (which presently does not have a BRRTs#); the former Kramer system; and the former 12-Mesh system. The area referred to as the burn pit area was closed by the department in a August 12, 1998, letter. Based on the information provided, we require no further action in connection with these areas.

As always, the department reserves the right to reopen this case pursuant to s. NR 726.09, WAC, should additional information regarding site conditions indicate that contamination on or from the site poses a threat to public health, safety or welfare or the environment. Once the monitoring wells on the property have been abandoned and the abandonment forms have been submitted to the department, this case will be tracked as closed on the department's tracking system.

This letter serves as you closure letter. You will not receive another letter confirming that we received the well abandonment forms; however, you are welcome to contact us to confirm that this case has been tracked as closed following our receipt of the well abandonment forms. If you have any questions regarding this letter, you may contact me at the above address or at (414) 263-8589.

Sincerely,

Gina Keenan
Hydrogeologist

cc: Braun Intertec, Inc.
SER case file

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region
Milwaukee Service Center
2300 N. Dr. ML King Drive, PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8716
TDD 414-263-8713

January 11, 2000

Ms. Jennifer Black
Allwaste, Inc.
5151 San Felipe, Suite 1600
Houston, Texas 77056-3609

Subject: Request for closure, Strategic Materials site, 12305 West Silver Spring Road, Milwaukee, Wisconsin. BRR-ERP FID#241486630; BRRTS: #02-41-236898; #02-41-236899; and #02-41-236900.

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Sincerely,

Gina Keenan
Hydrogeologist

cc: Braun Intertec, Inc.
SER case file

BRAUN[SM]
INTERTEC

RECEIVED
DEC 13 1999
By

Case Summary and Close Out Form

Strategic Materials
12305 West Silver Spring Road
Milwaukee, Wisconsin

Prepared For

Wisconsin Department of Natural Resources

02-41-236897
02-41-236898
02-41-236899
02-41-236900

FID # 241486630

02-41-396284
MLW opened this as new evidence of a different release

Project Number CNEX-99-249A
December 10, 1999

Braun Intertec Corporation

Engineers and Scientists Serving the Built and Natural Environments

BRAUN SM
INTERTEC

Braun Intertec Corporation
2831 Larson Street
La Crosse, Wisconsin 54603-1814
608-781-7277 Fax: 781-7279

Engineers and Scientists Serving the Built and Natural Environments

December 10, 1999

Project CNEX-99-249A

Mr. Randall Slinkard
Strategic Materials, Inc.
5151 San Felipe, Suite 1400
Houston, Texas 77056-3609

Dear Mr. Slinkard:

Re: Case Summary and Close-out Form for Strategic Materials Site, 12305 West Silver Spring Road, Milwaukee, Wisconsin

Please find enclosed Wisconsin Department of Natural Resources (WDNR) Form 4400-202 (Case Summary and Close-Out Form) for your site.

If you have any questions or need additional information, please contact Mark Gretebeck or Ted Hubbes at (608) 781-7277.

Sincerely,
Braun Intertec Corporation

Ted R. Hubbes, PG
Environmental Geologist

Mark L. Gretebeck
Project Manager

Attachment:
Form 4400-202, Case Summary and Close Out Form

f:\projcnex\mlg99249\reports\closeltr

BRAUN INTERTEC

Braun Intertec Corporation
2831 Larson Street
La Crosse, Wisconsin 54603-1814
608-781-7277 Fax: 781-7279

Engineers and Scientists Serving the Built and Natural Environments

December 10, 1999

Project CNEX-99-249A

Program Assistant/BRR Program
Wisconsin Department of Natural Resources Box 12436
2300 North Dr. Martin Luther King Jr. Drive
Milwaukee, WI 53212

BRR Representative:

Re: Case Summary and Close-out Form for the Strategic Materials Site (formerly known as Allwaste, Inc.), 12305 West Silver Spring Road, Milwaukee, Wisconsin, FID # 241486630

Please find enclosed Wisconsin Department of Natural Resources (WDNR) Form 4400-202 (Case Summary and Close-Out Form) for the referenced site. Enclosed is a $750.00 check for WDNR review. Site remediation was recently completed in two areas of the site (identified as Areas 3 and 4) formerly occupied by large, stationary glass-processing machinery. Remediation in other areas of the site was previously completed and has been summarized in this report.

If you have any questions or need additional information, please contact Mark Gretebeck or Ted Hubbes at (608) 781-7277.

Sincerely,
Braun Intertec Corporation

Ted R. Hubbes, PG
Environmental Geologist

Mark L. Gretebeck
Project Manager

Attachments: Form 4400-202, Case Summary and Close Out Form
$750.00 Check

c: Mr. Randall Slinkard, Strategic Materials

f:\projcnex\mlg99249\reports\closeltr

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
CASE SUMMARY AND CLOSE OUT FORM

Form 4400-202
5-98

WDNR BRRTS Case #: 241486630 (FID) WDNR Site Name: Strategic Materials, Inc.

OTE: Use of this form is required by the Department for any case close out application filed pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code. ompletion of this form is mandatory for applications for case closure. The Department will not consider or act upon your application unless you complete and bmit this application form. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than viewing close out requests and determining the need for additional response action.

I certify that, to the best of my knowledge, the information presented on and attached to this form is true and accurate. This recommendation for case closure is based upon all available data as of 12/99 (date). I have read the Case Summary and Close Out Form Instructions and all required information has been included.

Form Completed By: _____ 12.10.99
(Signature) (Date)

Printed Name: Ted R. Hubbes Company Name: Braun Intertec Corporation

If not site owner, relationship to site owner: Environmental Consultant

Address: 2831 Larson Street, La Crosse, WI 54603

Telephone Number: (608) 781-7277 FAX Number: (608) 781-7279

Environmental Consultant (if different then above): _____

Address: _____

Telephone Number: (____)_____ FAX Number: (____)_____

FOR DEPARTMENT USE ONLY

Type of Case: LUST Spill ER Land Recycling Other_____ DNR Reviewer:_____

/DNR Site Name: Strategic Materials, Inc.

omplete Site Address: 12305 West Silver Spring Road, Milwaukee, Wisconsin

/DNR BRRTS Case #: __-__-_____ FID #: 241486630

ECFA Claim #: _____-____-__

esponsible Party Name: Strategic Materials, Inc.

omplete Responsible Party Address: 5151 San Felipe, Suite 1400 Houston, Texas 77056-3609

ite Legal Description : NW 1/4, NW 1/4, Sec 31 , T 8 N, R 21 E Town: Milwaukee

ounty: Milwaukee Latitude: 88 ° 4 ' 0 " Longitude: 43 ° 7 ' 0 "

ype Of Closure Requested:

Soil	Groundwater
X < NR 720.09/720.11 Generic RCLs	X < NR 140.10 Table 1 & Table 2 Values
___ NR 720.19(2) Soil Performance Stds.	___ NR 140.28(2) PAL Exemption
___NR 720.19(3) Site Specific Stds.	___ NR 726.05(2)(b) Natural Attenuation

WDNR BRRTS Case #: 241486630 (FID)

WDNR Site Name: Strategic Materials, Inc.

Contaminant Type(s): gasoline, diesel, waste oil

Quantity Released: Unknown

Date of Incident/Discovery: May 13, 1994

Zoning of Property: Industrial (ID-40)

Enforcement Actions Closed Out? ____Yes ____ No _X_NA

Permits Closed Out? ____Yes ____No _X_NA

1. CASE HISTORY AND JUSTIFICATION FOR CLOSURE ATTACHED? _X_Yes ___No

2. SOIL PRE-REMEDIATION OR INVESTIGATION ANALYTICAL RESULTS

Extent Defined? _X_ Yes ____No Soil Type(s): fill materials, silty clay Depth to Bedrock: > 50 feet

Potential Receptors for Direct Contact (i.e. vapor migration, contaminated soil left in place): none

Tables of Pre-remedial Analytical Results Attached? _X_ Yes __ No Maps of Pre-remedial Sample Locations Attached? _X_Yes ___ No

3. SOIL POST REMEDIATION ANALYTICAL RESULTS

Remedial Action Completed? _X_Yes __No 720.19 Analysis? ____ Yes _X_No (If yes, attach supporting documentation)

Were Soils Excavated? _X_Yes _____No Quantity: 1,900 tons Disposal Method: Landfill

Final Confirmation Sampling Methods: Floor and sidewall soil samples

Soil Disposal Form Attached? ___ Yes _X_No Final Disposal Location: Orchard Ridge Landfill, Menomonee Falls, Wisconsin

Estimated volume of insitu soils exceeding NR 720 RCLs: none known

Tables for Post Remedial Analytical Results Attached? _X_ Yes____No Maps of Post Remedial Sample Locations Attached? _X_Yes___No

Brief Description of Remedial Action Taken: Excavation and landfill disposal of approximately 1,900 tons of soil.

4. GROUNDWATER ANALYTICAL RESULTS

Potential Receptors for Groundwater Migration Pathway: None

Extent of Contamination Defined? _X_Yes__No _____NA Remedial Action Completed? _X_Yes _____No ___ NA

# of Sample Rounds: 3 Depth(s) to Groundwater/Flow Direction(s): 8 to 12 feet below ground surface, southeast

Field Analyses? ___Yes _X_ No Lab Analyses? _X_Yes _____No # of Sampling Points: 9

NR 141 Monitoring Wells Sampled: 9 # Temporary Groundwater Sampling Points Sampled: 0

Recovery Sumps Sampled: 0 # Municipal Wells Sampled: 0 # Private Wells Sampled: 0

Has DNR Been Notified of Substances in Groundwater w/o Standards? _X_Yes ____No

Any Potable Wells Within 1200 Feet of Site? _X_Yes ___No If Yes, How Many? _9_

Have They Been Sampled? ____Yes _X_No Have Well Owners/Occupants Been Notified of Results? ____Yes ___No NA

Preventive Action Limit Exceeded? _X_Yes ___No (If Yes, identify location(s) MW-4, MW-10.

Enforcement Standard Exceeded? _X_Yes ___No (If Yes, identify location(s) MW-4.

Tables of Analytical Results Attached? _X_ Yes ___No Map of Groundwater Sample Locations Attached? _X_ Yes____No

Brief Description of Remedial Action Taken: Source removal

FOR DEPARTMENT USE ONLY

FIRST REVIEW DATE:_____ **[ ] Approved [ ] Denied**

_____ _____ _____ _____
(Signature) (Signature) (Signature) (Signature)

SECOND REVIEW DATE:_____ **[ ] Approved [ ] Denied**

_____ _____ _____ _____
(Signature) (Signature) (Signature) (Signature)

COMMITTEE RECOMMENDATION:

_____ **Closure Approved Per:**
- _____ No Restrictions
- _____ Groundwater Use Restriction
- _____ Zoning Verification
- _____ Deed Restriction
- _____ Deed Affidavit
- _____ Site Specific Close Out Letter Necessary
- _____ Well Abandonment Documentation
- _____ Soil Disposal Documentation
- _____ Public Notice Needed
- _____ NR 140 Exemption For:_____

_____ Specific Comments:_____

_____

_____

_____

_____ **Closure Denied, Needs More:**
- _____ Investigation
- _____ Groundwater Monitoring
- _____ Soil Remediation
- _____ Groundwater Remediation
- _____ Documentation Of Soil Landspreading Or Biopile Destiny
- _____ Specific Comments:_____

_____

_____

_____

WISCONSIN DEPARTMENT OF NATURAL RESOURCES **Form 4400 -202**
Case Summary and Close Out Form Instructions **5/98**

The Case Summary and Close Out Form and attached instructions have been designed by staff in the Bureau for Remediation and Redevelopment to provide responsible parties, environmental consultants, Department staff, and other interested parties with a checklist of information that must be evaluated prior to case closure. The closure of a case means that the Department has determined that no further response is required at that time. Various closure options are available within Department codes. Responsible parties and their consultants should specify the options sought for closure for the soils and groundwater at their site. Groundwater quality standards found in NR 140 and soil standards found in NR 720 must generally be met. However, some closure options allow closure where groundwater or soil standards are not met provided that deed or groundwater use restrictions are imposed on the subject property. A previously closed case may be reopened by the Department if information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare or the environment.

In order to expedite the closure process for your case, you should submit a complete and accurate submittal according to the following instructions. Submit the Case Summary and Close Out Form and required attachments as a stand alone document and **please do not** submit the close out request in a bound report. The information supplied should succinctly summarize the chronological history of the entire case and should reinforce the justification for closure. Submission of tabulated analytical results from previous reports are acceptable (i.e. it is not necessary to create new tables). However, do not submit previously submitted reports themselves as attachments. **Submittals with incomplete forms and/or documentation will be returned.** The following should be included in the order shown:

X **(A) Case Summary and Close Out Form** must be complete. A brief, **written** case history, justification for case closure and description of the remedial action taken must be included. The type of closure requested for both the soil and groundwater must be indicated.

X **(B) Site Map**, per NR 716.15(2)(d)5-6, to scale showing the layout of the buildings, roads, tank and/or discharge locations, utilities, receptors, monitoring and potable wells, property lines and other relevant features of the site. If possible, the scale should be 1 inch = 10 or 20 feet.

X **(C) Pre-Remedial Soil Analytical Results Table(s)** which show the analytical results and sample depths of all of the pre-remedial soil samples (i.e. tank pull, site investigation, etc.). If more than one table, please put them in chronological order. Highlight those results which exceed the NR 720 soil standards. Provide the level of detection for results which are below the detection level (i.e. don't just list as ND). Identify the depth of the water table. All data must be in table format as identified in NR 716.15(2)(g)3 and 716.15(2)(h)3, (i.e. do not submit lab data sheets)

X **(D) Pre-Remedial Soil Sample Location Map(s)** which show the locations of the items from B, above, and the soil sample locations from C, above. Highlight those sample locations which exceed NR 720. Maps should be prepared according to the applicable portions of NR 716.15(2)(h)1. You may submit more than one map.

X **(E) Pre-Remedial Geologic Cross Section(s)** including source location(s), extent of soil and groundwater contamination, soil sample locations, water table elevation, and bedrock elevation, if encountered. Maps should be prepared according to NR 716.15(2)(g)5-8 and NR 716.15(2)(h)1-2.

X **(F) Post-Remedial Soil Analytical Results Table(s)** which show the analytical results and sample depths of all of the post-remedial soil samples. Highlight the analyses which exceed NR 720 soil standards. Provide the level of detection for analytical results which are below the detection level (i.e. don't just list as ND). Identify the depth of the water table. All data must be in table format as identified in NR 716.15(2)(g)3 and 716.15(2)(h)3, (i.e. do not submit lab data sheets).

X **(G) Post-Remedial Soil Sample Location Map(s)** which show the locations of items from B, above, and the soil sample locations from F, above. Highlight those sample locations which exceed NR 720. Maps should be prepared according to the applicable portions of NR 716.15(2)(h)1. You may submit more than one map.

____ **(H) Post-Remedial Geologic Cross Section(s)** including former source location(s), remaining soil contamination, soil sample locations, extent of excavation, water table elevation, and bedrock elevation, if encountered. Maps should be prepared according to NR 716.15(2)(g)5-8 and NR 716.15(2)(h)1-2.

X **(I) Groundwater Analytical Results Table(s)** showing all of the site's historical groundwater analytical results in chronological order. Highlight those results which exceeded NR 140 (differentiate between PAL and ES exceedances). All data must be in table format as identified in NR 716.15(2)(g)3 and 716.15(2)(h)3, (i.e. do not submit lab data sheets). Differentiate between pre-remedial, remedial and post-remedial samples (i.e. identify when the groundwater remediation system was active/inactive).

X **(J) Groundwater Sample Location Map(s)** which show the locations of the items from B, above, and all of the monitoring wells/sumps/extraction wells/potable wells. Highlight those wells which have PAL or ES exceedances (in the most recent round of sampling, differentiate between PAL and ES). Maps should be prepared according to the applicable portions of NR 716.15(2)(h)1. You may submit more than one map.

X **(K) Groundwater Contour Map(s)** which show the historical changes in direction, elevation and/or gradient. Provide one map if data is consistent. Maps should be prepared according to the applicable portions of NR 716.15(2)(g)5-8 and NR 716.15(2)(h)1-2.

Strategic Materials, Inc. Site (f.k.a. Allwaste, Inc.) **WDNR FID # 241486630**
12305 West Silver Spring Road
Milwaukee, Wisconsin

Case Summary

A Phase I Environmental Site Assessment (Phase I ESA) completed in 1994, identified areas of potential impacted soils at the site. Soil samples collected during a subsequent Phase II ESA confirmed the presence of petroleum constituents and polynuclear aromatic hydrocarbons (PAHs) at concentrations greater than Wisconsin Administrative Code, Chapter NR720 generic soil standards and Wisconsin Department of Natural Resources (WDNR) suggested generic soil cleanup levels, respectively (Swanson Environmental 1994a and 1994b).

A site investigation was completed in 1994-1995 (Swanson Environmental 1995). The site investigation addressed the following five specific areas of the site:

- **Area 1 (waste oil aboveground storage tank (AST))** - Detections of diesel range organics (DRO) were reported in a surficial soil sample (HA-1) collected during the Phase II ESA (Attachment A1). Subsequent soil samples collected in this area (GP-7, GP-8, GP-9) had no detections greater than NR720 generic soil standards (Attachment A2). Based on these results, no further action was recommended in Area 1 (Swanson Environmental 1995).

- **Area 2 (gasoline and diesel ASTs)** - Detections of DRO and gasoline range organics (GRO) were reported in a hand-auger soil sample (HA-2) collected during the Phase II ESA (Attachment A1). Three other soil samples collected in this area (HA-3a, GP-5, GP-6) also had detections greater than NR720 generic soil standards (Attachment A2). Soil excavation and off-site treatment was recommended for Area 2 (Swanson Environmental 1995). In December 1996, approximately 350 tons of petroleum impacted soils were excavated from this area and disposed of off site. Soil samples collected from the walls and floor of the excavation had no detections greater than NR720 generic soil standards (Braun Intertec Corporation 1997, Attachment A3). In addition, the groundwater monitoring well (MW-2) adjacent to the excavated area had no detections of petroleum constituents.

- **Area 3 (Former Kramer System)** - Detections of DRO and GRO were reported in a hand auger soil sample (HA-3) collected during the Phase II ESA. Two other soil samples collected in this area (HA-1a, GP-3) had detections greater than NR720 generic soil standards. Soil excavation and off-site treatment was recommended for Area 3 (Swanson Environmental 1995). The remediation was completed on November 23, 1999. Approximately 140 tons of impacted soils were excavated from Area 3 (to a depth of 0.5-3.5 feet) and disposed of at the Orchard Ridge Landfill in Menomonee Falls, Wisconsin (Figure 1, Attachment B). Soil samples collected from the floor of the excavation had no detections greater than NR720 generic soil standards (Attachment C).

- **Area 4 (Former 12-Mesh System)** - A detection of DRO was reported in a hand auger soil sample (HA-4) collected during the Phase II ESA. One additional soil sample collected in this area (HA-2a) had detections greater than NR720 generic soil standards. Soil excavation and off-site treatment was recommended for Area 4 (Swanson Environmental 1995). The remediation was completed on November 23, 1999. Approximately 80 tons of impacted soils were excavated from Area 4 (to a maximum depth of 2.5 feet) and disposed of at the Orchard Ridge Landfill in Menomonee Falls, Wisconsin (Figure 1, Attachment B). Soil samples collected from the floor of the excavation had no detections greater than NR720 generic soil standards (Attachment C).

- **Burn Pit Area** - Benzo (a) pyrene was detected in groundwater samples from MW-4 at a concentration greater than NR 140 groundwater enforcement standards (ESs) (Attachment A2). Based on the results of the site investigation, soil excavation and off-site treatment was

recommended for the burn pit area (Swanson Environmental 1995). In June 1997, approximately 1,273 tons of impacted soils were excavated from this area and disposed of off site. Soil samples collected from the walls and floor of the excavation had no detections greater than NR720 generic soil standards (Braun Intertec Corporation 1998, Attachment A4). Monitoring wells in the area of the burn pit (MW-4, MW-7, MW-8, MW-9) were abandoned during the excavation. Groundwater samples from a replacement monitoring well (MW-10) had detections of benzo (a) pyrene greater than NR 140 Preventive Action Limits (PALs). A letter dated August 12, 1998, indicated the WDNR granted a PAL exemption for benzo (a) pyrene and approved closure for the burn pit area.

In addition to the impacted soils removed in Areas 3 and 4 on November 23, 1999, several areas with minor surficial soil staining were excavated to a depth of 1-3 feet. Soil samples collected in these areas had no detections of DRO (Attachment C).

One additional round of groundwater elevations and groundwater samples was collected from several monitoring wells on November 23, 1999. Top of casing elevations from the three remaining monitoring wells (MW-3, MW-6 and MW-10) were resurveyed. Groundwater elevation measurements indicate a flow direction to the southeast (Figure 2). Groundwater samples from the two wells which were accessible to sampling (MW-3, MW-10) had no detections exceeding NR140 PALs (Attachment C).

Summary and Conclusions

- Soil remediation consisting of excavation and off-site disposal has addressed all known areas of surficial soil contamination identified in previous environmental assessments.

- The WDNR has previously granted a PAL exemption for benzo (a) pyrene, the only compound which has been detected at levels greater than PAL in groundwater samples from the site. A confirmatory round of groundwater samples collected on November 23, 1999, had no detections exceeding NR140 PALs.

- There were no potable wells, surface waters or wetlands known to be impacted by the release. There was no indication that a bedrock aquifer has been impacted. Petroleum free product was not detected at the site.

- No further monitoring or remediation is warranted and unconditional site closure is requested.

References

Braun Intertec Corporation, 1997. Area 2 Soil Remediation at the Strategic Materials Site, 12305 West Silver Spring Drive, Milwaukee, Wisconsin.

Braun Intertec Corporation, 1998. Burn Pit Remediation at the Strategic Materials Site, 12305 West Silver Spring Road, Milwaukee, Wisconsin.

Swanson Environmental, 1994a. Initial Site Investigation Results and Workplan, 12305 West Silver Spring Road, Milwaukee, Wisconsin.

Swanson Environmental, 1994b. Initial Site Investigation Results and Workplan, 12305 West Silver Spring Road, Milwaukee, Wisconsin.

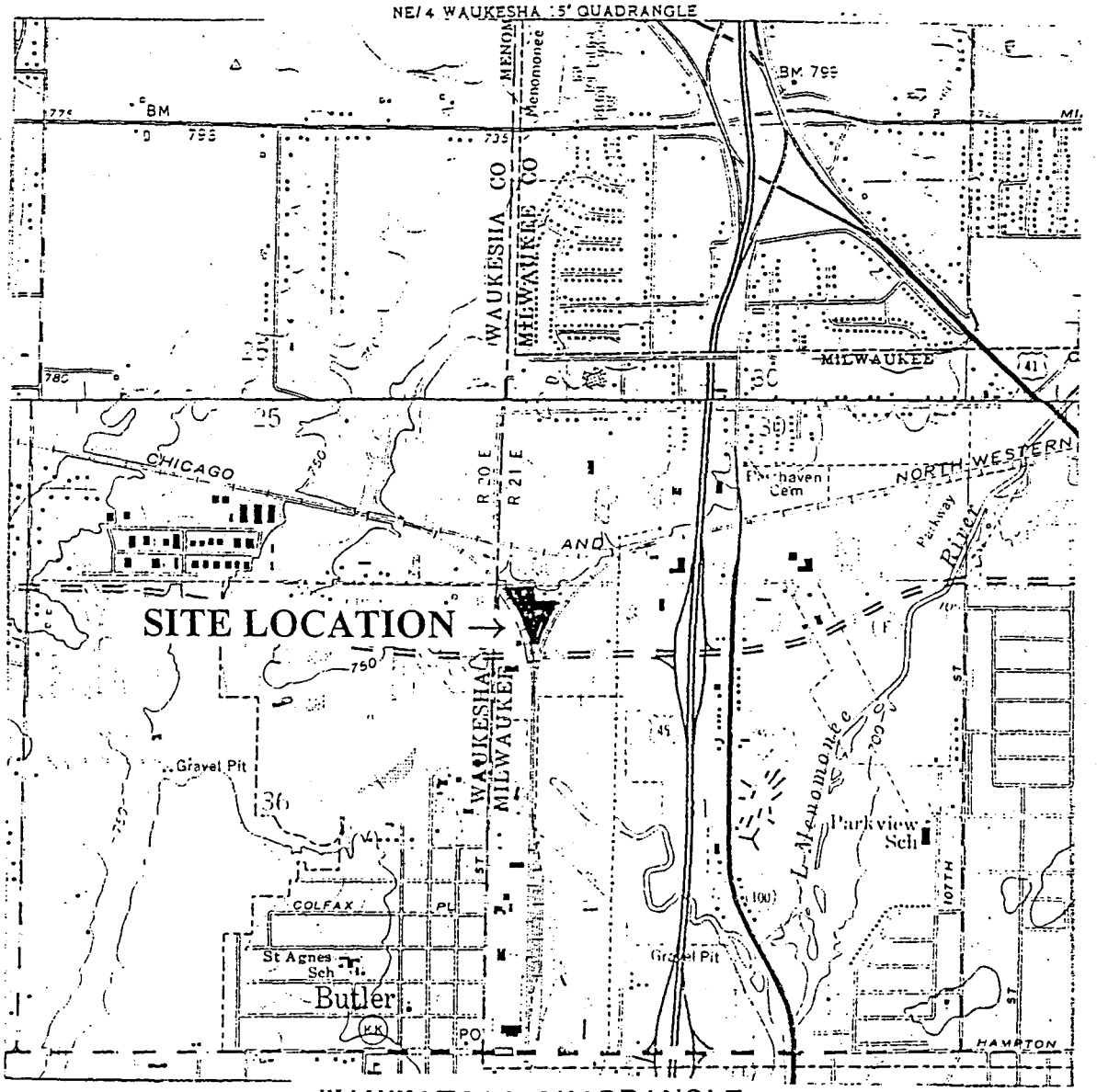
Swanson Environmental, 1995. Subsurface Investigation Report, Former Allwaste Recycling, Inc., 12305 West Silver Spring Road, Milwaukee, Wisconsin.

MENOMONEE FALLS QUADRANGLE

WISCONSIN

7.5 MINUTE SERIES (TOPOGRAPHIC)

NE/4 WAUKESHA 15' QUADRANGLE



WAUWATOSA QUADRANGLE

WISCONSIN

7.5 MINUTE SERIES (TOPOGRAPHIC)

SE 4 WAUKESHA 15' QUADRANGLE

QUADRANGLE LOCATION

N

SCALE 1:24 000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

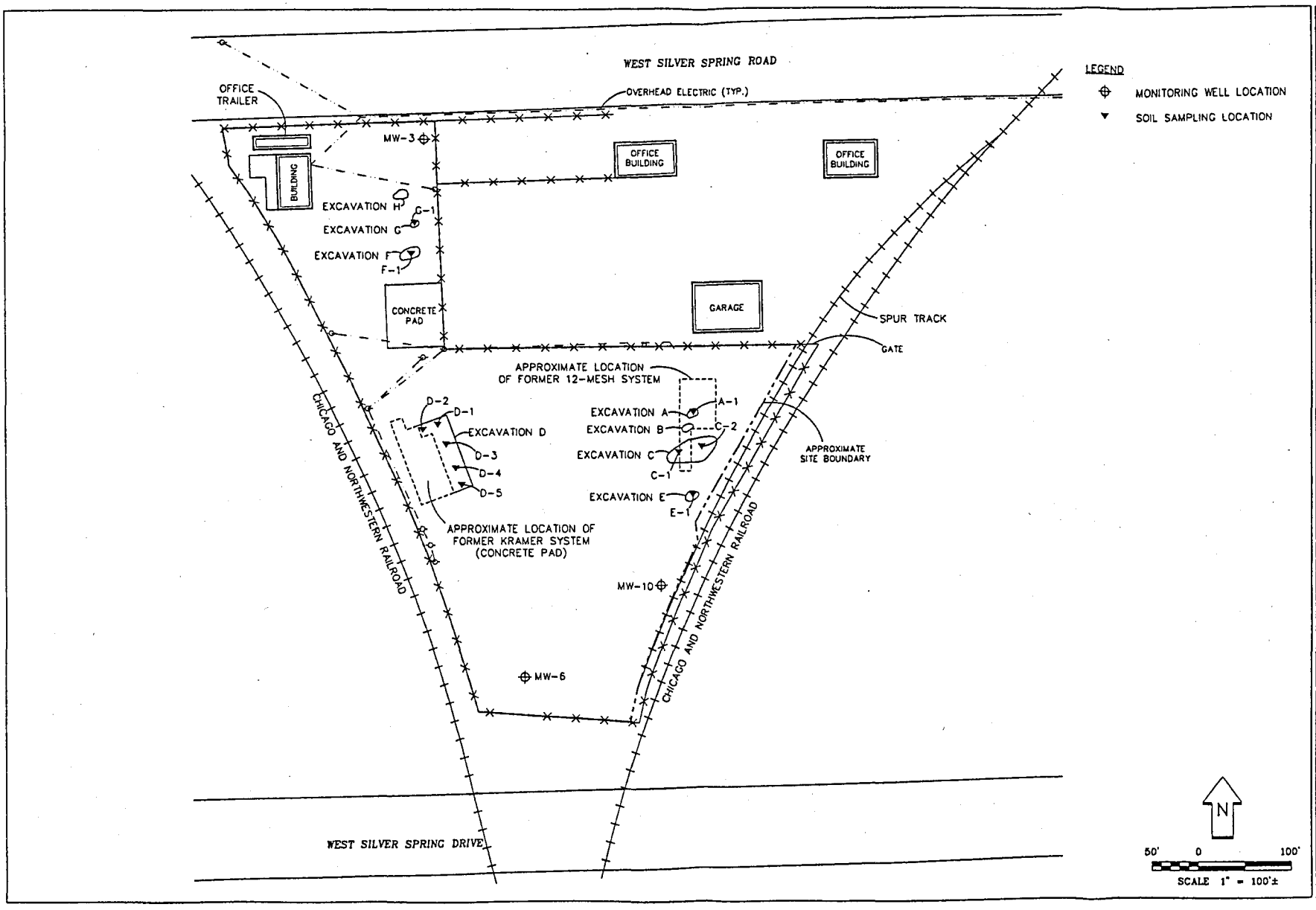
CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

BRAUN INTERTEC

Site Location Map
Phase I Environmental Site Assessment
Strategic Materials Site
12305 West Silver Spring Road - Milwaukee, Wisconsin

INT		DATE	SHEET
DRAWN BY:	TRH	10/27/99	
APP'D BY:		10/27/99	OF
JOB NO.	CNEX-99-232		
DWG. NO.		FIGURE NO.	
SCALE			1

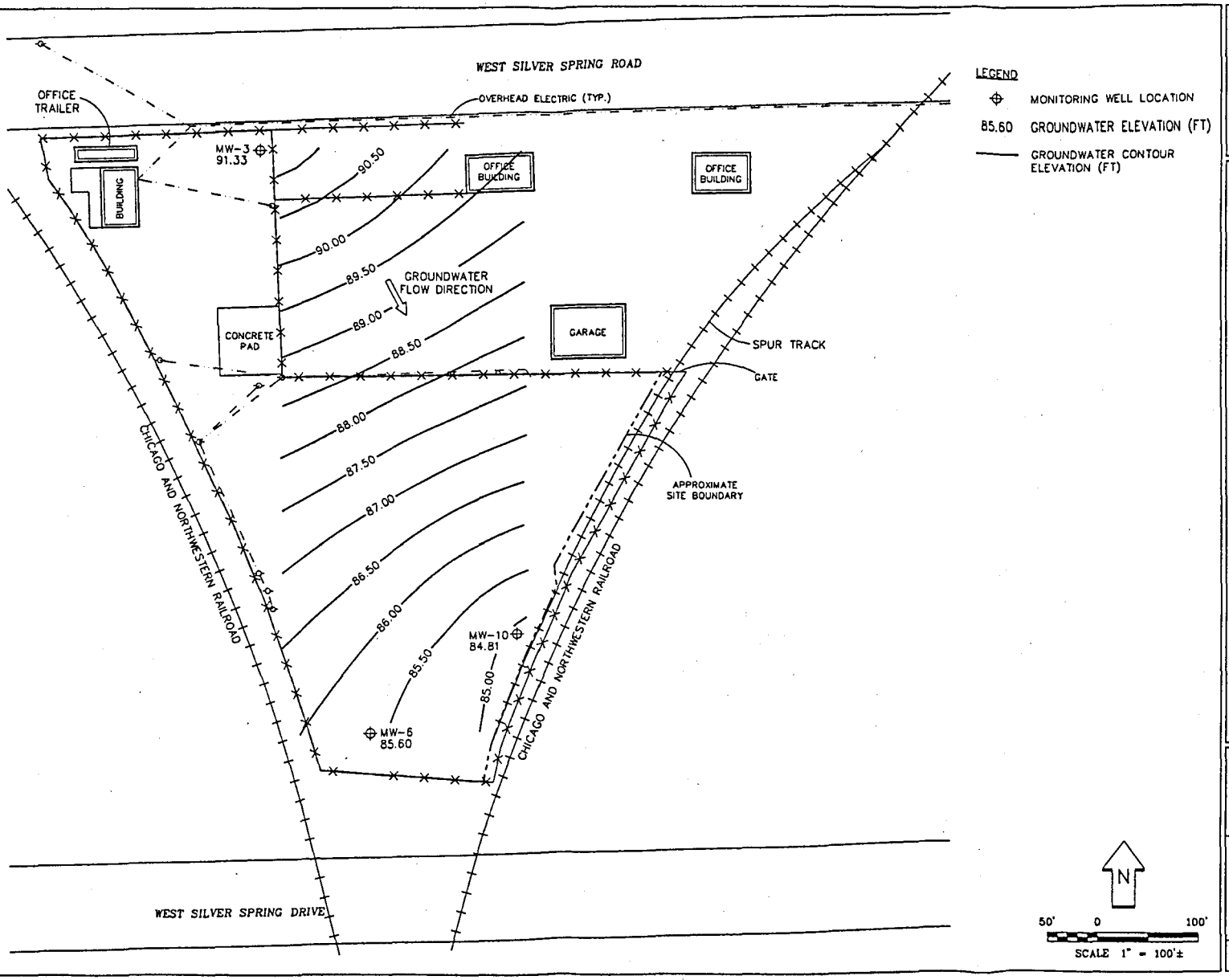


BRAUN INTERTEC

SOIL EXCAVATION LOCATIONS (11/23/99)
CASE SUMMARY AND CLOSEOUT
STRATEGIC MATERIALS, INC.
MILWAUKEE, WI

INIT	DATE
DRAWN BY: BJB	11-2-99
APP'D BY: TH	12-9-99
JOB NO. CNEX-99-232A	SHEET OF
DWG. NO. NE9232A	
SCALE 1" = 100'±	

FIGURE NO. 2

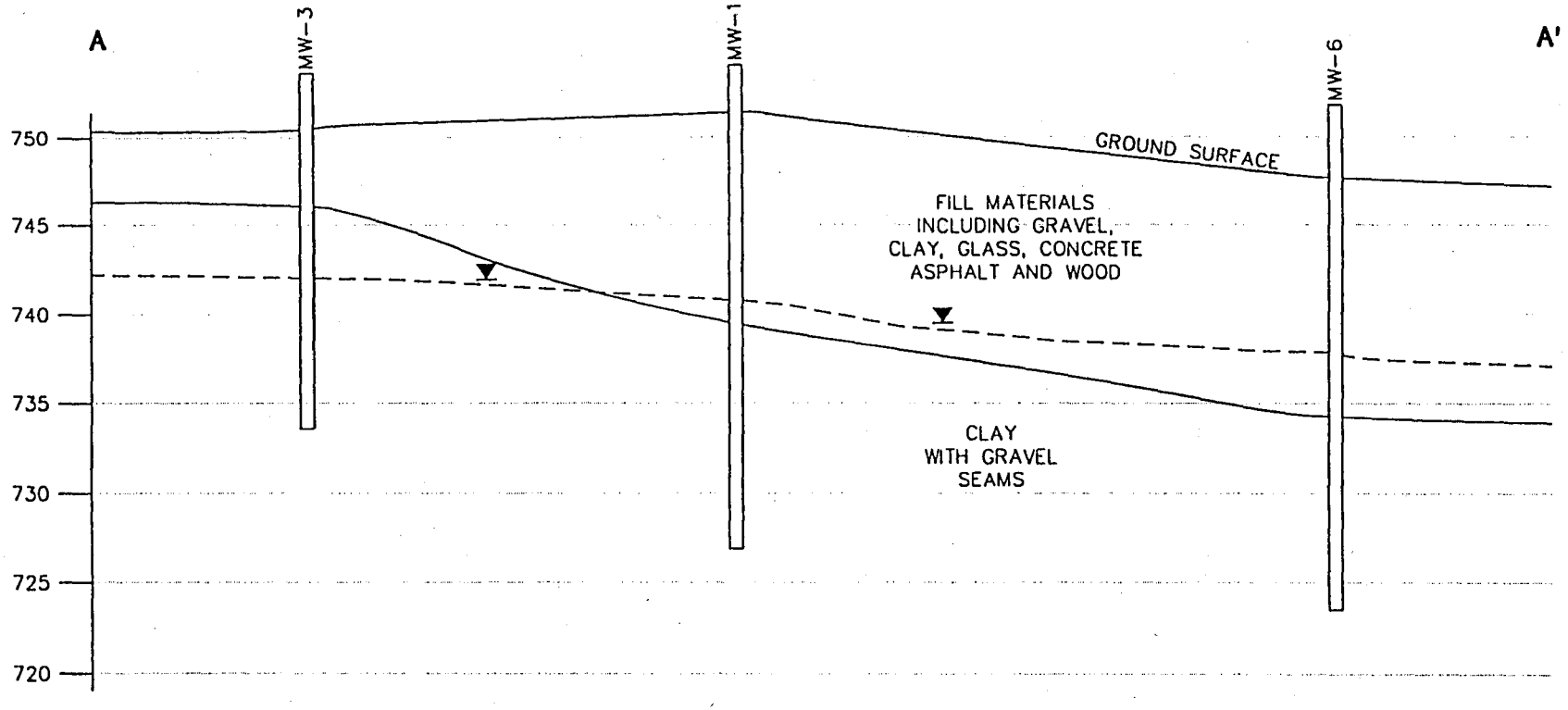


BRAUN INTERTEC

GROUNDWATER CONTOUR MAP (11/23/99)
CASE SUMMARY AND CLOSEOUT
STRATEGIC MATERIALS, INC.
MILWAUKEE, WI

INT	DATE	
DRAWN BY: BJB		11-2-99
APP'D BY: TH		12-9-99
JOB NO. CNEX-99-232A		
DWG. NO. NE9232A		SHEET OF
SCALE 1" = 100'±		

FIGURE NO. 3



50' 0 100'

HORIZONTAL SCALE: 1" = 100'

5' 0 10'

VERTICAL SCALE: 1" = 10'

FIGURE NO. 4

INT	DATE
DRAWN BY: BJB	12-9-99
APP'D BY: TRH	12-9-99
JOB NO. CNEX-99-232A	
DWG. NO. NE9232A1 SHEET OF	
SCALE AS SHOWN	

GEOLOGIC CROSS SECTION A-A'
CASE SUMMARY AND CLOSEOUT
STRATEGIC MATERIALS, INC.
MILWAUKEE, WI

BRAUN INTERTEC

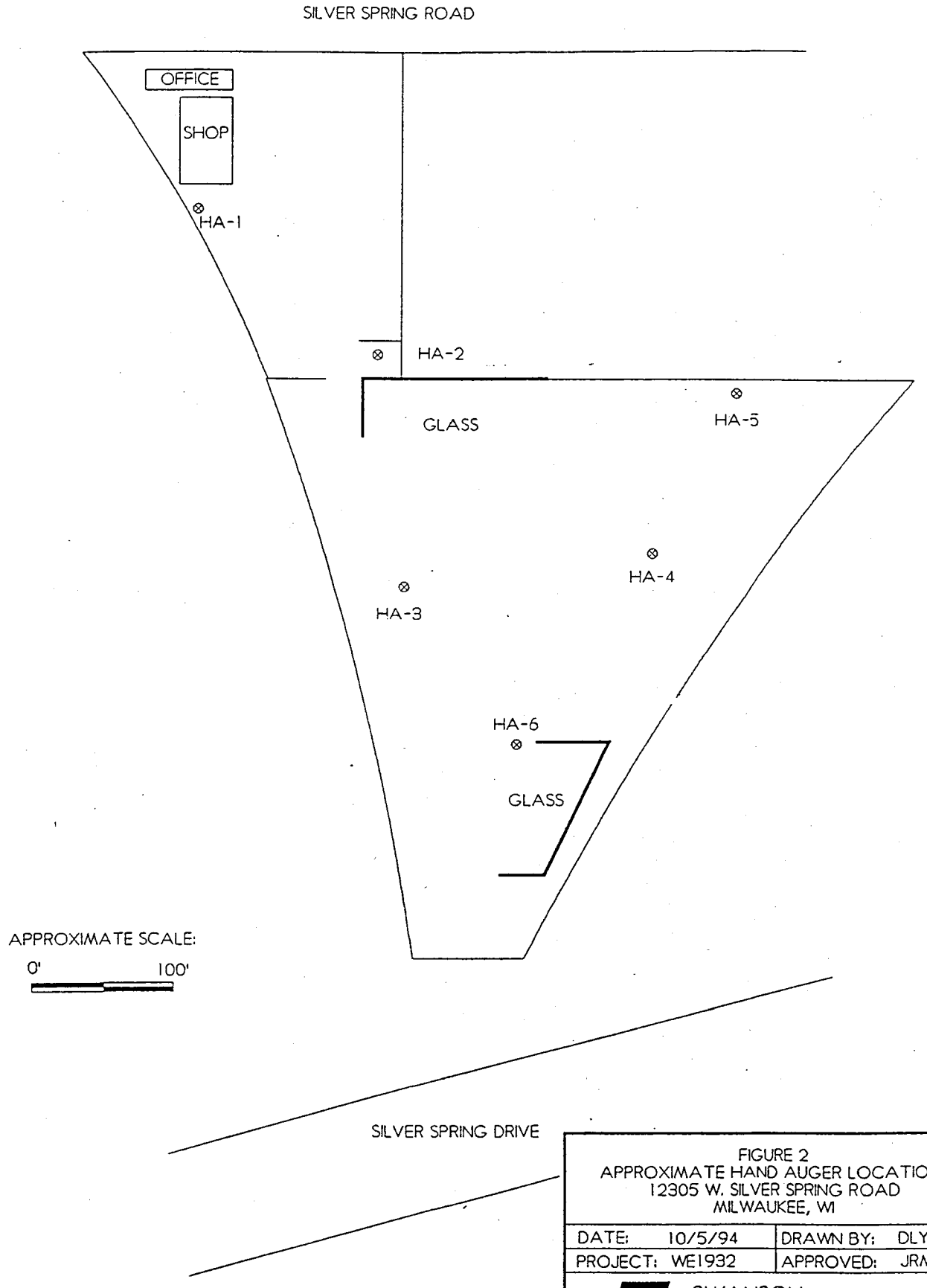


FIGURE 2
APPROXIMATE HAND AUGER LOCATIONS
12305 W. SILVER SPRING ROAD
MILWAUKEE, WI

DATE: 10/5/94	DRAWN BY: DLY
PROJECT: WE1932	APPROVED: JRM

SWANSON ENVIRONMENTAL, INC.

TABLE 1
SOIL SAMPLE RESULTS (ppm)
12305 West Silver Spring Road
4/13/94

Parameter	HA-1	HA-2	HA-3	HA-4	HA-5	HA-6
DRO	2370	1800	3900	903	ND	
GRO	ND	580	110	ND	ND	
Arsenic	2.1					0.2
Barium	42.0					1.5
Cadmium	5					ND
Chromium	36					2
Lead	269					57
Mercury	ND					0.15
Silver	ND					ND
Selenium	ND					ND

Sample results reveal high detects of DRO and GRO in several samples. The VOCs analysis revealed low levels of toluene in HA-4 and methylene chloride (a typical lab contaminant) in HA-3 and HA-4. All of the metal results are within common ranges fund in natural soil except for cadmium and lead in HA-1. This hand auger was installed under a waste oil tank, and thus the results are explainable.

B. Soil Boring Results

Several borings and groundwater monitoring wells were installed on-site on April 19 and 20, 1994. Drilling was conducted by Midwest Engineering. The boring (monitoring well) locations are shown in Figure 3. The borings/wells were placed in an attempt to identify the overall quality of soil and groundwater throughout the site and to determine a groundwater flow direction.

Borings were constructed per Wisconsin Administrative Code (WAC) NR 141 using hollow stem augers. Auger flights were steam cleaned between boreholes, and the decontaminated water was drummed and left on-site for future disposal. Split

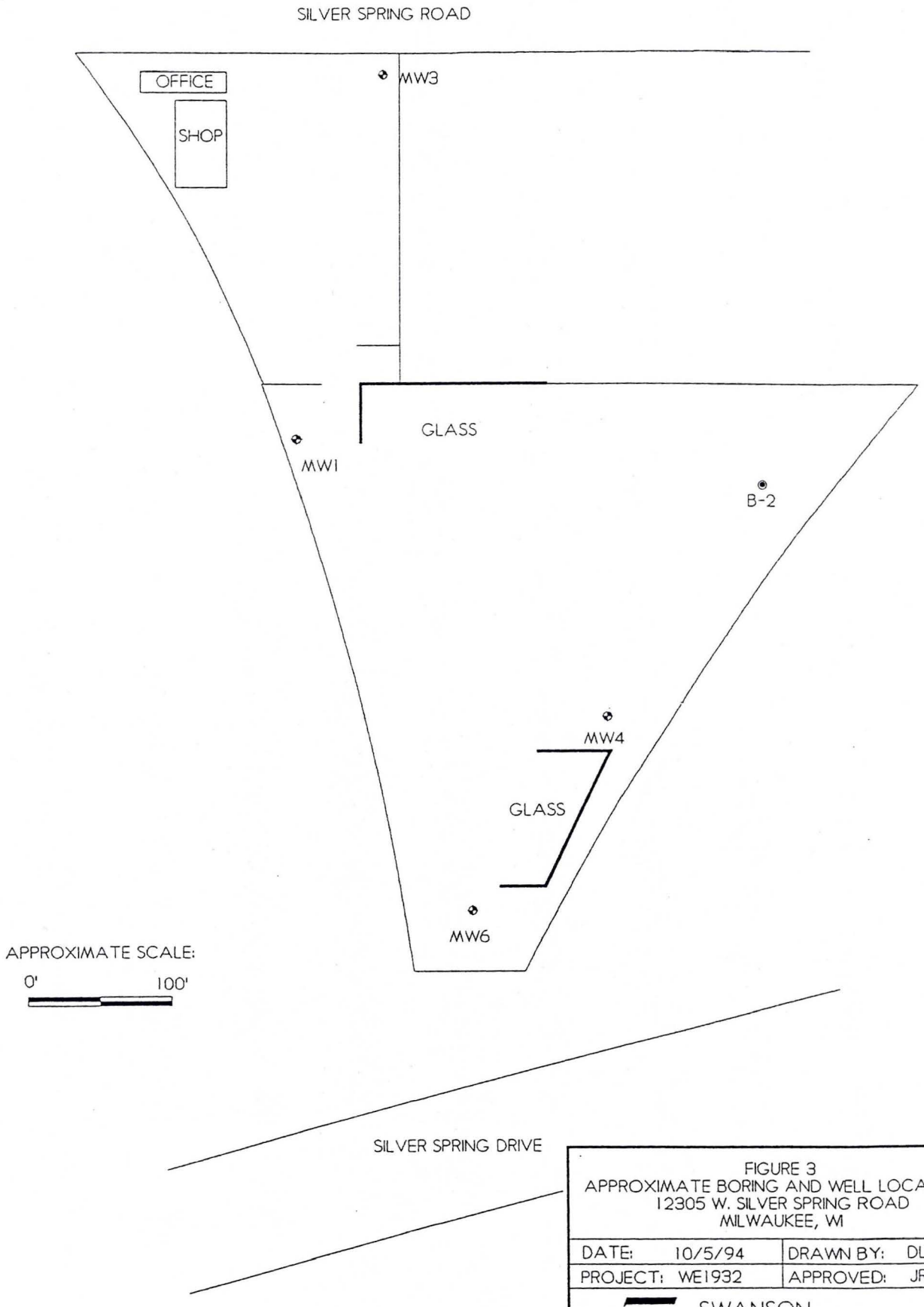


FIGURE 3
APPROXIMATE BORING AND WELL LOCATIONS
12305 W. SILVER SPRING ROAD
MILWAUKEE, WI

DATE: 10/5/94	DRAWN BY: DLY
PROJECT: WE1932	APPROVED: JRM

SWANSON
ENVIRONMENTAL, INC.

TABLE 3
PRELIMINARY ANALYTICAL RESULTS (ppm)
12305 West Silver Spring Road
April 19-20, 1994

Parameter	B-1 6-8′	B-1 18-20′	B-2 8-10′	B-2 12-14′	B-3 4-6′	B-3 14-16′	B-4 12-14′	B-4 22-24′	B-6 4-6′	B-6 12-14′
Arsenic	<29.8	<29.8	<30.5	<27.8	<29.1	<28.8	<27.9	<30.0	<27.4	<30.0
Barium	21.9	63.8	89.5	39.4	52.9	59.0	29.6	72.2	35.6	96.4
Cadmium	<0.60	<0.59	<0.61	<0.56	<0.58	<0.57	<0.56	<0.60	<0.55	<0.60
Chromium	10.3	21.8	31.0	158	17.9	19.7	9.76	26.5	13.5	31.9
Lead	36.9	11.9	22.5	13.3	11.6	9.77	72.0	11.4	78.8	13.8
Mercury	0.11	0.06	<0.05	<0.04	<0.05	0.05	0.08	0.07	0.06	0.08
Selenium	<29.8	<29.8	<30.5	<27.8	<29.1	<28.8	<27.9	<30.0	<27.4	<30.0
Silver	<0.60	<0.59	<0.61	<0.56	<0.58	<0.57	<0.56	<0.60	<0.55	<0.60

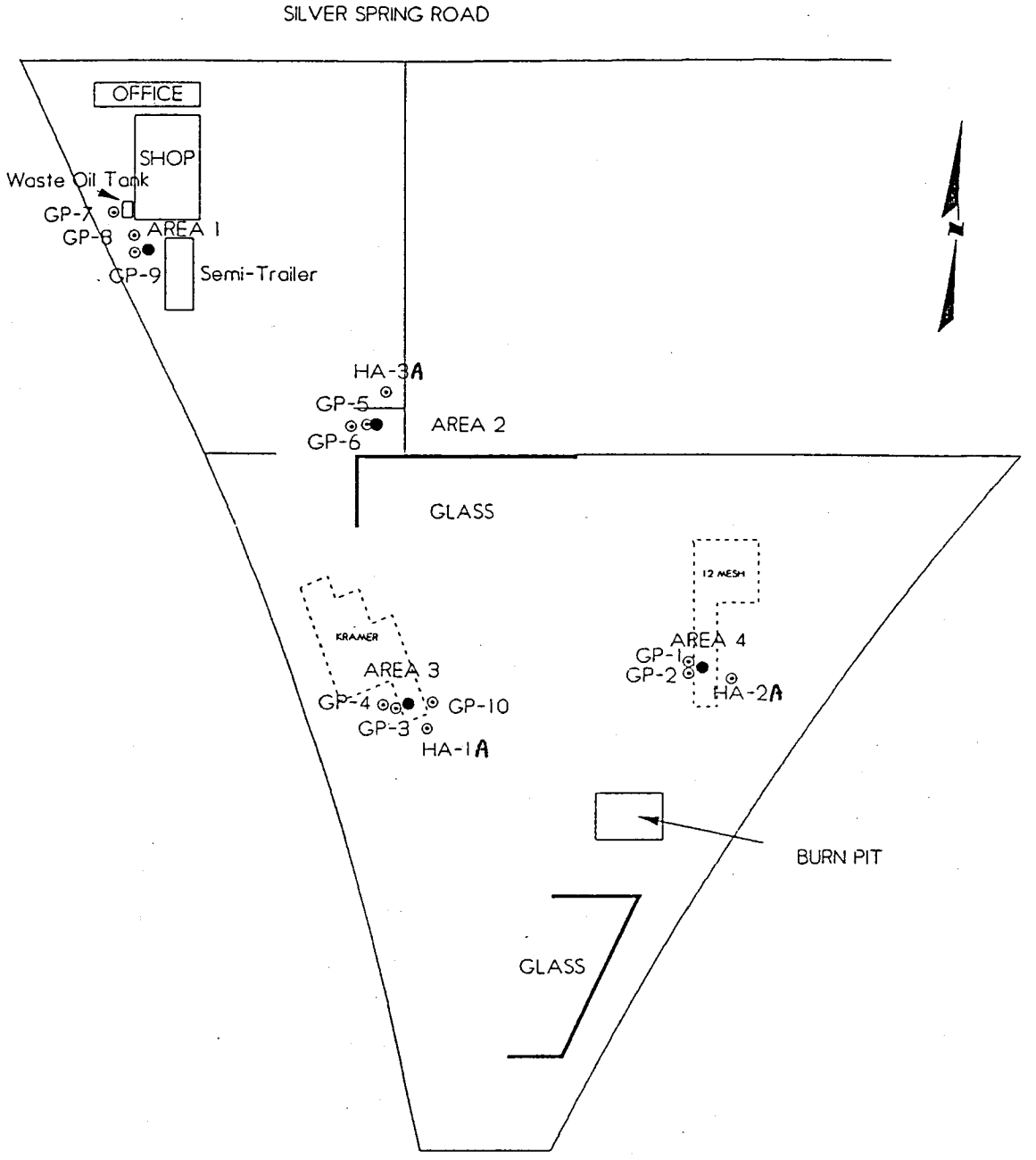


FIGURE 2
GEOPROBE & HAND-AUGER BORING LOCATIONS
ALLWASTE

DATE: 9/12/95	DRAWN BY: BHB
PROJECT: WE2019	APPROVED: WRH

SWANSON
ENVIRONMENTAL, INC.

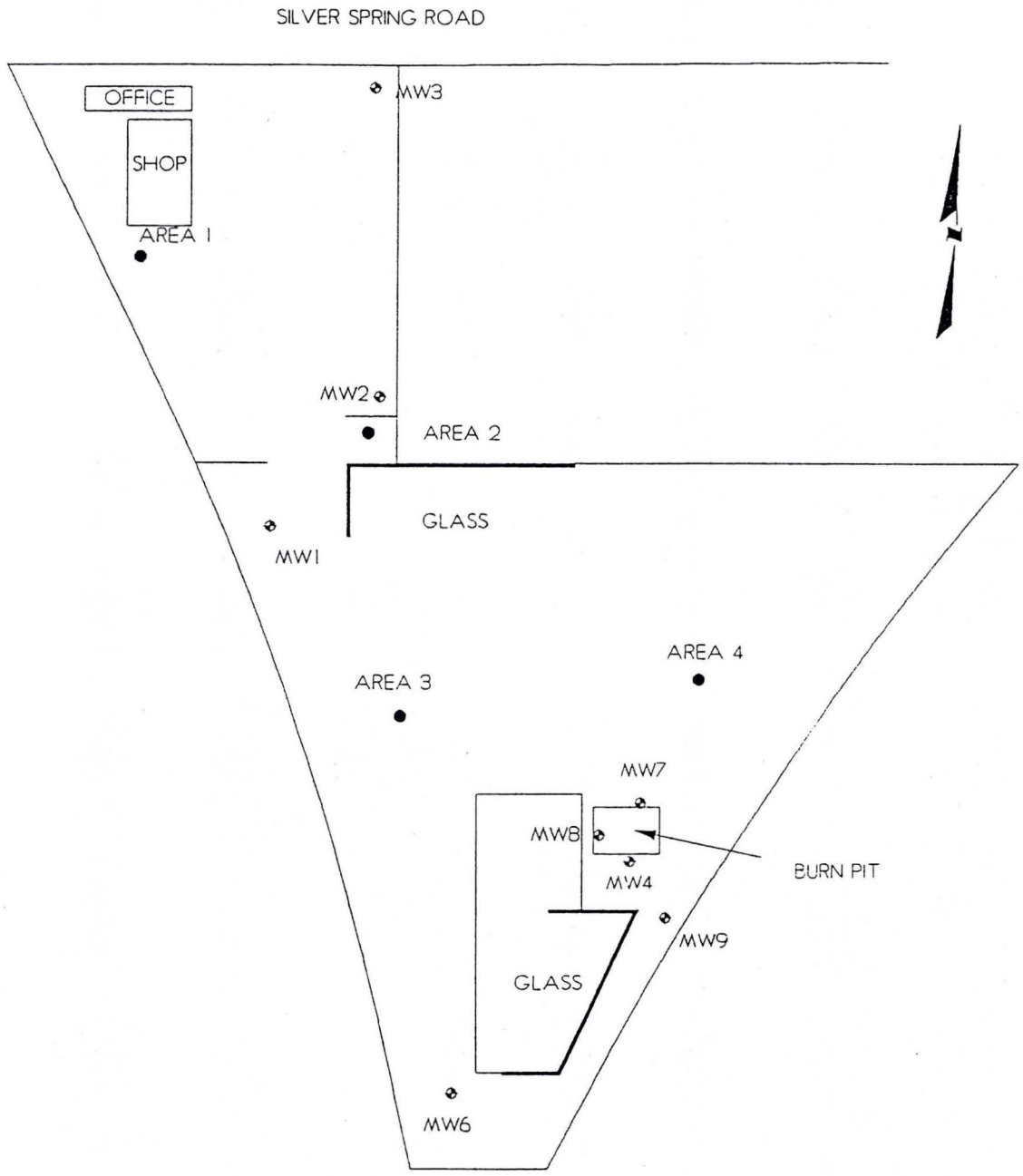


FIGURE 3
MONITORING WELL LOCATIONS
ALLWASTE

DATE: 9/12/95	DRAWN BY: BHB
PROJECT: WE2019	APPROVED: WRH

SWANSON
ENVIRONMENTAL, INC.

TABLE 3
Soil Laboratory Analytical Results
Allwaste Recycling, Inc.

Compound (ug/kg)	GP-1 (2-4')	GP-2 (0-2')	GP-3 (2-4')	GP-4 (2-4')	GP-5 (0-2')	GP-5 (4-6')	GP-6 (2-4')	GP-7 (0-2')	
GRO/DRO (mg/kg)	62	42	160	21	2.3 94	140 4,600	7.2 32	9.6	
Lead (mg/kg)					22	27	51	11	
Cadmium (mg/kg)								<.58	
n-Butylbenzene					170	1100	<30	<5.8	
sec-Butylbenzene					21	510,000	<30	<5.8	
tert-Butylbenzene					22	<600	<30	<5.8	
Ethylbenzene					18	<600	<30	<5.8	
p-Isopropyltoluene					24	<600	<30	<5.8	
Naphthalene					170	510,000	1400	<29	
n-propylbenzene					40	<600	<30	<5.8	
1,2,4-Trimethylbenzene					93	1300	<60	<12	
1,3,5-Trimethylbenzene					56,000	<1200	<60	<12	
Total Xylenes					38,000	<1800	<90	<17	
Compound (ug/kg)	**GP-8 (0-2')**	**GP-9 (0-2')**	**GP-9 (2-4')**	**GP-10 (0-2')**	**HA-1A (2')**	**HA-2A (1')**	**HA-3A (2')**	**B-10 (14-16')**	**B-10 (18-20')**
GRO/DRO (mg/kg)	<5.9	<6.0	<6.0	15	200	630	4.9 280	<1.3 <6.5	<1.2 <6.1
Lead (mg/kg)	29	21	13				15	20	11
Cadmium (mg/kg)	<5.9	<.6	<.6						
n-Butylbenzene	<5.9	<6	<6				13	<6.5	<6.5
sec-Butylbenzene	<5.9	<6	<6				33	<6.5	<6.5
tert-Butylbenzene	<5.9	<6	<6				8.7	<6.5	<6.5
Ethylbenzene	<5.9	<6	<6				6.9	<6.5	<6.5
p-Isopropyltoluene	<5.9	<6	<6				7.8	<6.5	<6.5
Naphthalene	<30	<30	<30				110	<33	<33
n-Propylbenzene	<5.9	<6	<6				<5.4	<6.5	<6.5
Toluene	<5.9	<6	<6				8.4	<6.5	<6.5
1,2,4-Trimethylbenzene	<12	<12	<12				12	<13	<13
1,2,5-Trimethylbenzene	<12	<12	<12				<11	<13	<13
Total Xylenes	<18	<18	<18				<16	<20	<20

TABLE 4
PAH ANALYTICAL RESULTS

Parameter	B-7 (12-14')	MW-7	B-8 (14-16')	MW-8	B-9 (18-20')	MW-9	MW-4
Acenaphthene	<190	<5	4800	5.7	<130	<5	<5
Acenaphthylene	<7500	<4	<17,000	15	<250	<4	<4
Anthracene	94	<.2	30,000	3.9	1	<.2	<.2
Benzo(a)anthracene	280	0.37	36,000	2.5	1	<.01	.056
Benzo(a)pyrene	130	.056	33,000	2.1	.76	<.01	.14
Benzo(b)fluoranthene	530	.03	21,000	1.7	<1.3	<.02	.10
Benzo(ghi)perylene	440	<.06	18,000	1.5	<2.5	<.06	.11
Benzo(k)fluoranthene	300	.014	12,000	.9	<.64	<.01	.045
Chrysene	330	<.05	17,000	1.5	<2.5	<.05	.19
Dibenzo(a,h)anthracene	210	<.02	4,900	.45	<1.3	<.02	.025
Fluoranthene	1,200	<1	120,000	12	<64	<1	4.3
Fluorene	280	<1	22,000	3.6	<6.4	<1	<1
Ideno(1,2,3-cd)pyrene	160	<.4	14,000	1.3	<25	<.4	<.4
1-Methyl naphthalene	230	<3	3,200	<3	<64	<3	<3
2-Methyl naphthalene	960	<3	43,000	7.6	<64	<3	<3
Naphthalene	1,800	<3	3,900	<3	<64	<3	<3
Phenanthrene	620	<.3	88,000	3.9	<6.4	<.3	<.3
Pyrene	230	<1	78,000	5.9	<25	<1	<1

Soil reported in ug/kg and groundwater in ug/L.

exceeds NR 140 Enforcement Standards

exceeds NR 140 Preventative Action Limit

VI. CONCLUSIONS AND RECOMMENDATIONS

A subsurface investigation was conducted at the Allwaste Recycling facility to define the extent and degree of contamination surrounding four surface releases of petroleum

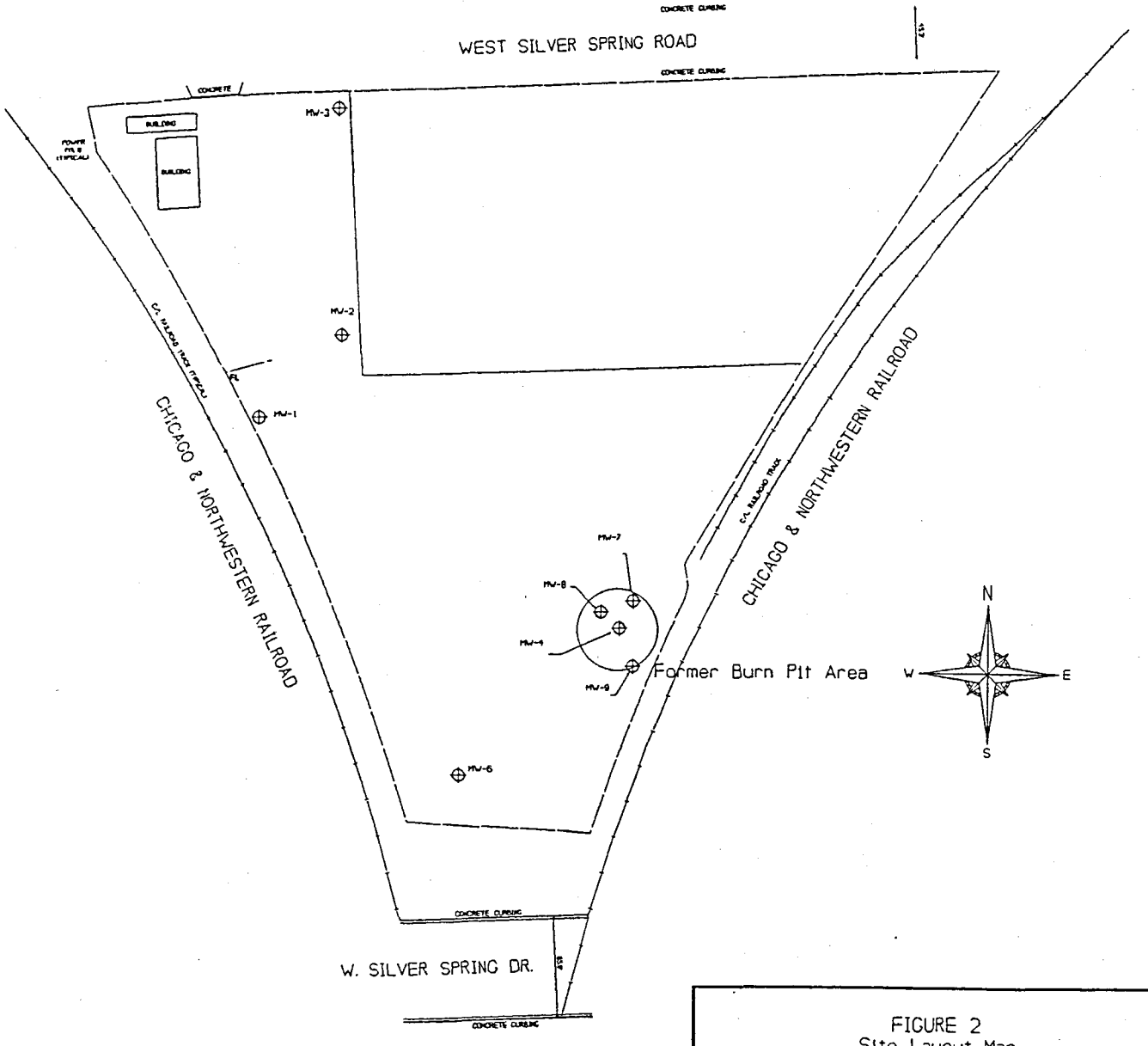


FIGURE 2
Site Layout Map
Strategic Materials, Inc.

DATE:	12/11/97	DRAWN BY:	BHB
PROJECT:	LWXX-97-106	APPROVED:	MLF

BRAUN INTERTEC
3315 N. 124th Street, Unit N
Brookfield, Wisconsin 53005

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 7-89

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: MW-10

County: Milwaukee

NW 1/4 of NW 1/4 of Sec. 31 ; T. 8 N; R. 21 ☒ E ☐ W

(If applicable) Gov't Lot ____ Grid Number ____

Grid Location ____ ft. ☐ N. ☐ S., ____ ft. ☐ E. ☐ W.

Civil Town Name: Milwaukee

Street Address of Well: 12305 West Silver Spring Road

City, Village: Milwaukee, WI

(2) FACILITY NAME

Original Well Owner (If Known): Strategic Materials, Inc.

Present Well Owner: -Same-

Street or Route: 5751 San Felipe, Suite 1400

City, State, Zip Code: Houston, TX 77056-3609

Facility Well No. and/or Name (If Applicable) | WI Unique Well No.: ____

Reason For Abandonment: Site Closure

Date of Abandonment: 2-17-00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) ____

☒ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) ____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 19.0 Casing Diameter (ins.) ____
(From groundsurface)

Casing Depth (ft.) ____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ____ Feet

(4) Depth to Water (Feet) 14.78

Pump & Piping Removed?	☐ Yes	☒ No	☐ Not Applicable
Liner(s) Removed?	☐ Yes	☒ No	☐ Not Applicable
Screen Removed?	☐ Yes	☒ No	☐ Not Applicable
Casing Left in Place?	☒ Yes	☐ No	

If No, Explain ____

Was Casing Cut Off Below Surface?	☒ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Bentonite Chips	Surface	19.0	1.5	

(8) Comments: ____

(9) Name of Person or Firm Doing Sealing Work: Giles Engineering

Signature of Person Doing Work: [signature] * Date Signed: 2-21-00

Street or Route: ____ Telephone Number: ( )

City, State, Zip Code: ____

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected: ____ District/County: ____

Reviewer/Inspector: ____

Follow-up Necessary: ____

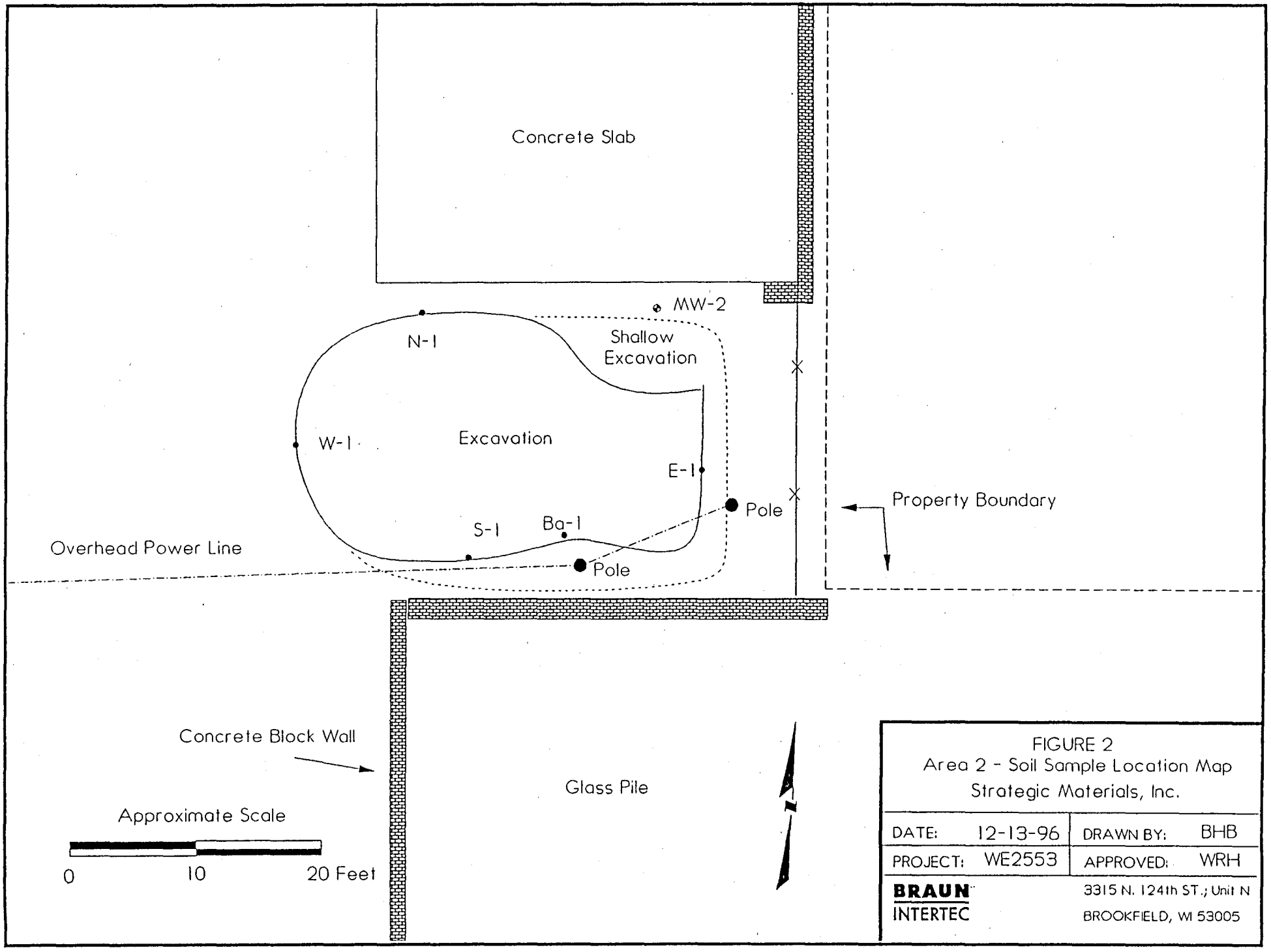


FIGURE 2
Area 2 - Soil Sample Location Map
Strategic Materials, Inc.

DATE:	12-13-96	DRAWN BY:	BHB
PROJECT:	WE2553	APPROVED:	WRH

BRAUN INTERTEC
3315 N. 124th ST.; Unit N
BROOKFIELD, WI 53005

IV. Laboratory Analytical Results

The laboratory results revealed that the remaining soil does not contain concentrations of petroleum constituents above NR 720 residual contaminant levels. Four of the five PVOC samples did not detect petroleum compounds above the laboratory detection limits. The north wall sample (N-1) revealed levels of toluene, 1,2,5-trimethylbenzene and xylenes at 60 ug/kg, 47 ug/kg and 140 ug/kg, respectively. Concentrations of DRO were all below 32 mg/kg and GRO was only detected in the N-1 sample at 7.5 mg/kg. Lead was detected in each of the samples, but concentrations were below the NR 720 residual contaminant level for an industrial site. The results are summarized in Table 2. Laboratory reports and chains-of-custody are presented as Appendix B.

TABLE 2
Laboratory Analytical Results
Strategic Materials
December 3, 1996

	Ba-1	E-1	W-1	S-1	N-1	NR 720 RCL
GRO (mg/kg)	<5.6	<5.6	<5.9	<6.2	7.5	100*
DRO (mg/kg)	17	11	24	9	32	100*
Benzene	<4.8	<4.8	<4.8	<4.8	<4.8	5.5
Ethylbenzene	<5.0	<5.0	<5.0	<5.0	<5.0	2900
1,2,4-Trimethylbenzene	<8.9	<8.9	<8.9	<8.9	<8.9	NA
1,3,5-Trimethylbenzene	<8.2	<8.2	<8.2	<8.2	47	NA
Methyl-tert-butyl-ether	<12	<12	<12	<12	<12	NA
Toluene	<7.0	<7.0	<7.0	<7.0	60	1500
Xylenes	<4.9	<4.9	<4.9	<4.9	140	4100
Lead (mg/kg)	28	27	43	9.8	58	500**

PVOC results expressed in micrograms per kilogram (ug/kg).
* Level for soil types with hydraulic conductivities of greater than 10^{-6} cm/sec.
** Level for an industrial site.
RCL = Residual Cleanup Level
NA - NR 720 has no established RCL for this compound.

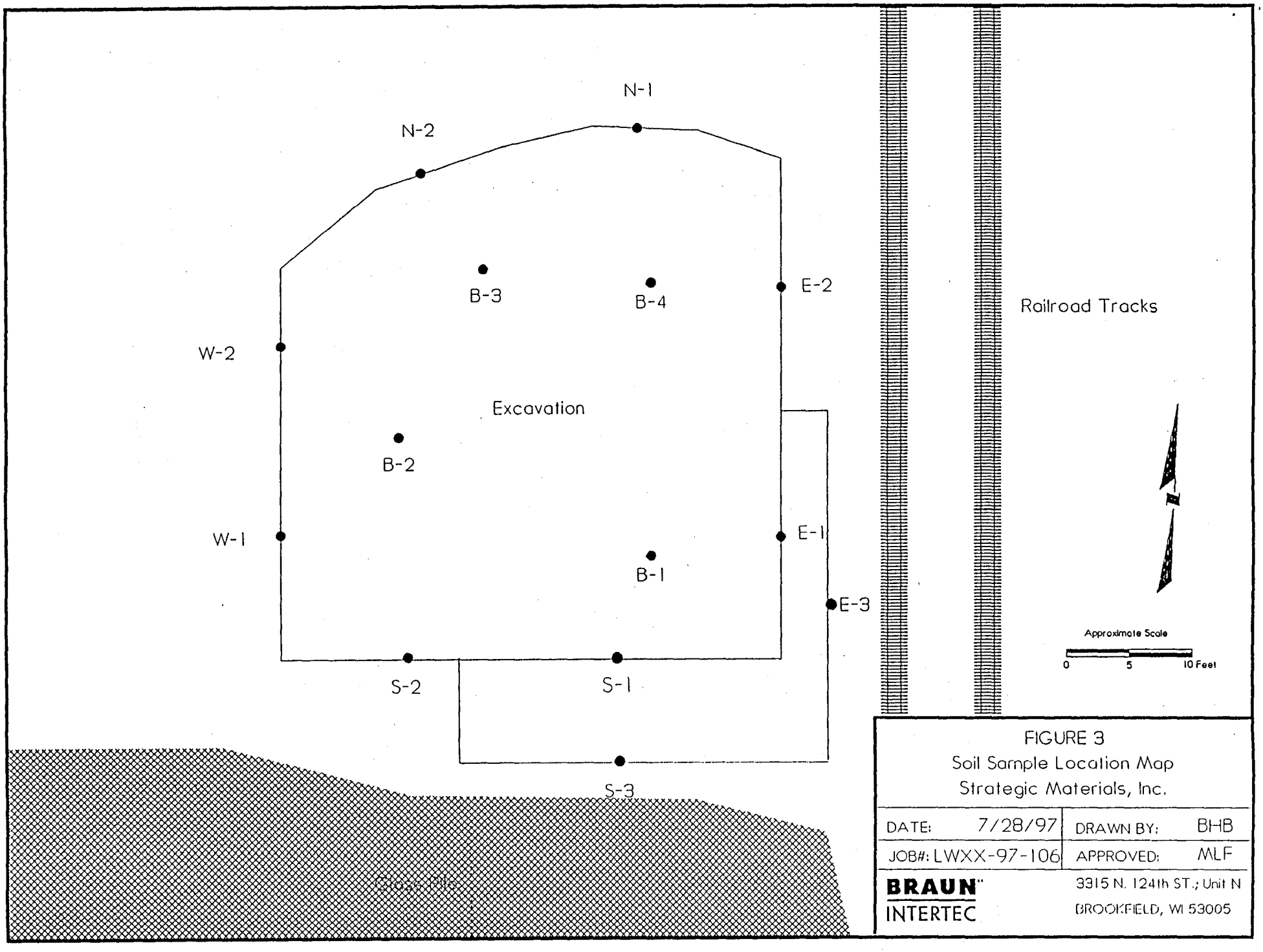
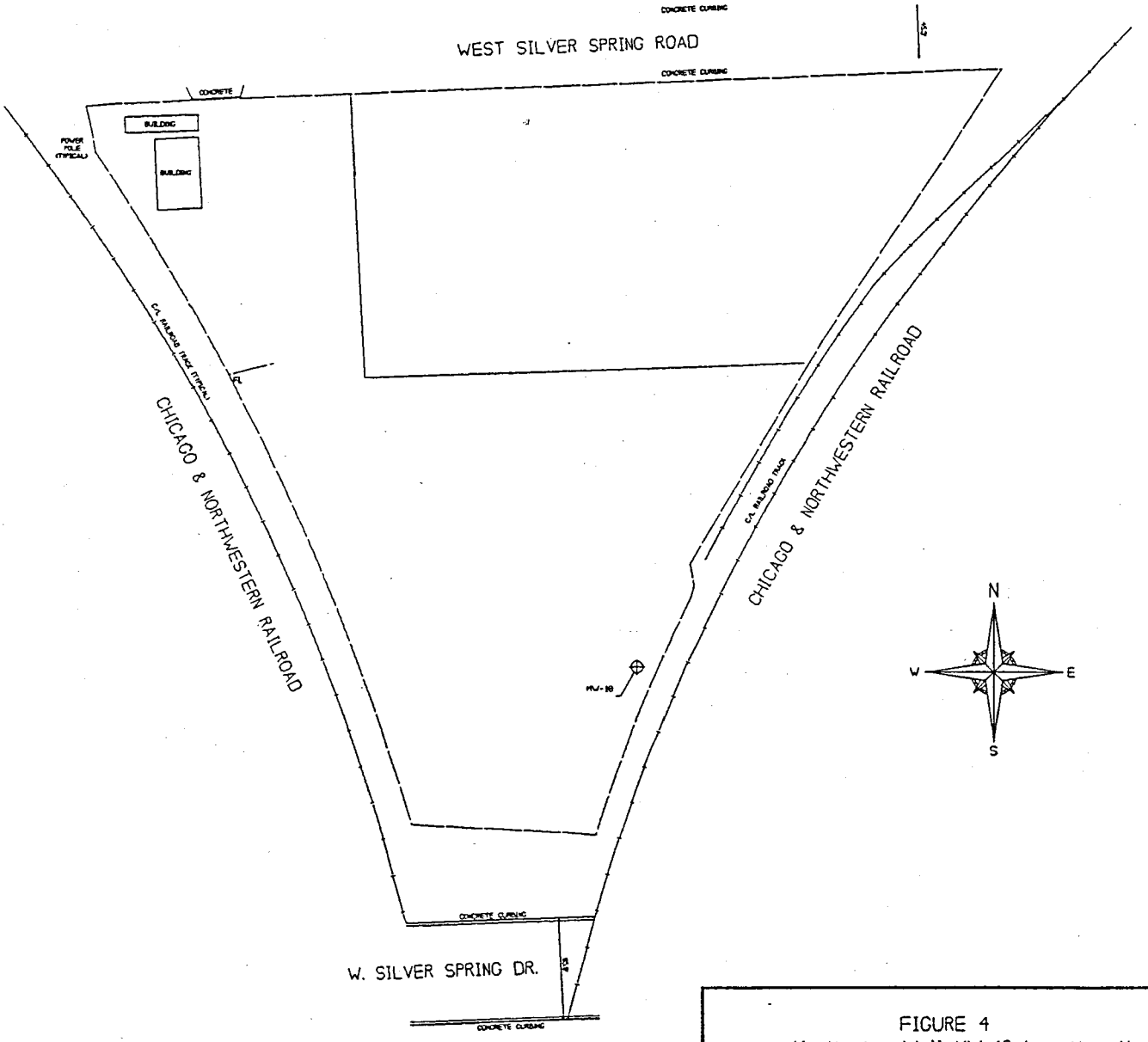


FIGURE 3
Soil Sample Location Map
Strategic Materials, Inc.

DATE:	7/28/97	DRAWN BY:	BHB
JOB#: LWXX-97-106		APPROVED:	MLF

BRAUN INTERTEC

3315 N. 124th ST.; Unit N
BROOKFIELD, WI 53005



APPROXIMATE SCALE

0 150 FEET

FIGURE 4
Monitoring Well MW-10 Location Map
Strategic Materials, Inc.

DATE:	12/11/97	DRAWN BY:	BHB
PROJECT:	LWXX-97-106	APPROVED:	MLF

BRAUN INTERTEC

3315 N. 124th Street, Unit N
Brookfield, Wisconsin 53005

Table 2
Laboratory Soil Analytical Results (ug/kg)
Strategic Materials
June 24 and July 28, 1997

	B-1 (18')	B-2 (22')	B-3 (25')	B-4 (25')	S-1 (16')	S-2 (12')	S-3 (10')
Acenaphthene	<48	<59	<48	<62	<4,900	<49	<61
Acenaphthylene	<96	<120	<96	<120	<9,800	<98	<100
Anthracene	13	<12	<9.6	<12	6,500	<9.8	<9.8
Benzo(a)anthracene	38	<2.9	<2.4	<3.1	14,700	<2.5	<2.4
Benzo(b)fluoranthene	26	<2.9	<2.4	<3.1	7,120	<2.5	<2.4
Benzo(k)fluoranthene	17	<2.9	<2.4	<3.1	9,080	<2.5	<3.0
Benzo(a)pyrene	51	<5.9	<4.8	<6.2	13,500	<4.9	<4.9
Benzo(ghi)perylene	55	<5.9	<4.8	<6.2	13,500	<4.9	<6.1
Chrysene	27	<5.9	<4.8	<6.2	11,500	<4.9	<4.9
Dibenzo(a,h)anthracene	<4.8	<5.9	<4.8	<6.2	<490	<4.9	<9.8
Fluoranthene	84	<12	<9.6	<12	35,600	<9.8	<9.8
Fluorene	<19	<23	<19	<25	3,190	<20	<20
Indeno(1,2,3-cd)pyrene	35	<5.9	<4.8	<6.2	7,850	<4.9	<4.9
1-Methylnaphthalene	<30	<37	<30	<39	<3,100	<31	<36
2-Methylnaphthalene	<30	<37	<30	<39	<3,100	<31	<30
Naphthalene	<30	<37	<30	<39	<3,100	<31	<36
Phenanthrene	22	<23	<19	<25	18,400	<20	<20
Pyrene	55	<12	<9.6	<12	29,400	<9.8	<9.8

Table 2 (continued)
Laboratory Soil Analytical Results (ug/kg)
Strategic Materials
June 24 and July 28, 1997

	E-1 (15')	E-2 (10')	E-3 (10')	W-1 (15')	W-2 (12')	N-1 (15')	N-2 (15')
Acenaphthene	<4,600	<44	<2,700	<49	<49	<60	<56
Acenaphthylene	<9,200	<87	<4,600	<98	<98	<120	<110
Anthracene	390	<8.7	<430	<9.8	70	<12	<11
Benzo(a)anthracene	1,490	<2.2	<110	7.1	208	<3.0	<2.8
Benzo(b)fluoranthene	791	<2.2	<110	3.3	110	<3.0	<2.8
Benzo(k)fluoranthene	183	<2.2	<140	2.6	120	<3.0	<2.8
Benzo(a)pyrene	1,150	<4.4	<220	7.8	195	<6.0	<5.6
Benzo(ghi)perylene	1,950	<4.4	<270	12	208	<6.0	<5.6
Chrysene	1,490	<4.4	<220	6.4	146	<6.0	<5.6
Dibenzo(a,h)anthracene	<460	<4.4	<430	<4.9	<4.9	<6.0	<5.6
Fluoranthene	3,670	<8.7	<430	9.2	598	<12	<11
Fluorene	<1,800	<17	<850	<20	34	<24	<22
Indeno(1,2,3-cd)pyrene	1,060	<4.4	<220	<4.9	134	<6.0	<5.6
1-Methylnaphthalene	<2,900	<27	<1,600	<30	<30	<38	<35
2-Methylnaphthalene	<2,900	<27	<1,400	<30	<30	<38	<35
Naphthalene	<2,900	<27	<1,.600	<30	<30	<38	<35
Phenanthrene	1,260	<17	<850	<20	305	<24	<22
Pyrene	2,520	<8.7	<430	12	415	<12	<11

Elevated detection limits on E-1, E-3 and S-1 samples are due to matrix interference.

Table 3 B-10/MW-10 Analytical Results December 2, 1997		
	B-10 (7.5-9.5') (ug/kg)	**MW-10 (ug/L)**
Acenaphthene	<62	<0.96
Acenaphthylene	<100	<0.89
Anthracene	<6.2	0.081
Benzo(a)anthracene	<6.2	0.17
Benzo(b)fluoranthene	<6.2	<0.088
Benzo(k)fluoranthene	<6.2	<0.061
Benzo(a)pyrene	<6.2	**0.13**
Benzo(ghi)perylene	<6.2	<0.11
Chrysene	<6.2	0.13
Dibenzo(a,h)anthracene	<12	<0.13
Fluoranthene	<12	0.40
Fluorene	<12	<0.075
Indeno(1,2,3-cd)pyrene	<6.2	<0.057
1-Methylnaphthalene	<37	<0.58
2-Methylnaphthalene	<31	<0.65
Naphthalene	<37	<0.31
Phenanthrene	<6.2	0.19
Pyrene	<6.2	0.22

Orchard Ridge RDF **1008 Ticket Listing For: 10/1/99 - 12/10/99** 10-Dec-99

Day	Ticket	Cust. #	Customer Name	Truck #	Generator	Profile	Manifest #	Commodity Code	# Extra Codes	Total Yardage	Tons
11/23/99	528857	0001307	BRAUN INTERTEC CORP	96	STRATEGIC MATERIALS	BIO26174	698315	BIO		0.00	29.880
11/23/99	528863	0001307	BRAUN INTERTEC CORP	86	STRATEGIC MATERIALS	BIO26174	698316	BIO		0.00	29.220
11/23/99	528869	0001307	BRAUN INTERTEC CORP	99	STRATEGIC MATERIALS	BIO26174	698317	BIO		0.00	28.830
11/23/99	528885	0001307	BRAUN INTERTEC CORP	96	STRATEGIC MATERIALS	BIO26174	698319	BIO		0.00	29.530
11/23/99	528888	0001307	BRAUN INTERTEC CORP	86	STRATEGIC MATERIALS	BIO26174	698320	BIO		0.00	29.090
11/23/99	528898	0001307	BRAUN INTERTEC CORP	99	STRATEGIC MATERIALS	BIO26174	698321	BIO		0.00	29.770
11/23/99	528916	0001307	BRAUN INTERTEC CORP	96	STRATEGIC MATERIALS	BIO26174	698322	BIO		0.00	28.800
11/23/99	528922	0001307	BRAUN INTERTEC CORP	86	STRATEGIC MATERIALS	BIO26174	698323	BIO		0.00	27.340
11/23/99	528932	0001307	BRAUN INTERTEC CORP	99	STRATEGIC MATERIALS	BIO26174	698324	BIO		0.00	31.590
11/23/99	528954	0001307	BRAUN INTERTEC CORP	96	STRATEGIC MATERIALS	BIO26174	698325	BIO		0.00	12.310

Grand Total:

	10									0.00	276.360

FAX NO.

DEC-10-99 FRI 09:21 AM ORCHARD RIDGE

BRAUN INTERTEC

Braun Intertec Corporation
6875 Washington Avenue South
Minneapolis, Minnesota 55439-0108
612.941.5600 Fax: 942-4844

Engineers and Scientists Serving the Built and Natural Environments®

December 6, 1999

Report 99-08982
Project CNEX-99-249A

Mr. Paul Tepp/LaCrosse
Braun Intertec Corporation

Re: Braun Intertec

Braun Intertec Corporation received your analytical request on November 24, 1999. Analytical results are summarized on the following laboratory report.

Routine Braun Intertec Corporation QA/QC was followed. Quality control data have been reviewed.

When possible these samples will be held by the laboratory for 14 days from the date of this report. The process of disposing or returning the samples will occur at that time. Arrangements can be made for extended sample storage by contacting us at this time.

We appreciate the opportunity to meet your analytical needs. If you have any questions or would like additional information, please contact:

Project Manager:
Barbara Maki
612-942-4820
bmaki@brauncorp.com

Sampling Supplies:
Client Services
612-942-4930
labservices@brauncorp.com

Sincerely,

Barbara J. Maki
Project Manager

Attachments
Chain of Custody
Laboratory Results

Client:	Braun Intertec	Laboratory:	Braun Intertec Corporation	Date Sampled:	11/23/99
Log-in:	99-08982	Lab Contact/Phone:	B. Maki/612-942-4820	Date Received:	11/24/99
Project Number:	CNEX-99-249A	Sampler:	Braun	Date Reported:	12/06/99
PO Number:		% Moisture:	Not Applicable		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Liquid	RL:	Reporting Limit		
Lab Sample ID:	99-08982-01				

Client Sample ID/Description: MW-3

Page: 1

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Petroleum Hydrocarbons									
Diesel Range Organics	WI DRO	11/30/99	WI DRO	11/30/99	1.0	27	100	<100	ug/l
Gasoline Range Organics	SW-846 5030	11/28/99	WI GRO	11/28/99	1.0	100	100	<100	ug/l
Polynuclear Aromatic Hydrocarbons (PAHs) (GC/MS), Total									
Acenaphthene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.53	2.1	<2.1	ug/l
Acenaphthylene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.54	2.1	<2.1	ug/l
Anthracene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.55	2.1	<2.1	ug/l
Benzo(a)anthracene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.54	2.1	<2.1	ug/l
Benzo(b)fluoranthene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.82	2.1	<2.1	ug/l
Benzo(k)fluoranthene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.90	2.1	<2.1	ug/l
Benzo(g,h,i)perylene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.76	2.1	<2.1	ug/l
Benzo(a)pyrene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.75	2.1	<2.1	ug/l
Carbazole	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	1.4	5.2	<5.2	ug/l
Chrysene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.59	2.1	<2.1	ug/l
Dibenz(a,h)anthracene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.78	2.1	<2.1	ug/l
Dibenzofuran	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	1.5	5.2	<5.2	ug/l
Fluoranthene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.54	2.1	<2.1	ug/l
Fluorene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.52	2.1	<2.1	ug/l
Indeno(1,2,3-cd)pyrene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.76	2.1	<2.1	ug/l
2-Methylnaphthalene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	1.7	5.2	<5.2	ug/l
Naphthalene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.54	5.2	<5.2	ug/l
Phenanthrene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.53	2.1	<2.1	ug/l
Pyrene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.57	2.1	<2.1	ug/l
*** Semi-Volatile Surrogates ***									
2-Fluorobiphenyl	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	-	-	66	% rec
Nitrobenzene-d5	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	-	-	84	% rec
Terphenyl-d14	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	-	-	68	% rec

(Report continued on next page)

Client:	Braun Intertec	Laboratory:	Braun Intertec Corporation	Date Sampled:	11/23/99
Log-in:	99-08982	Lab Contact/Phone:	B. Maki/612-942-4820	Date Received:	11/24/99
Project Number:	CNEX-99-249A	Sampler:	Braun	Date Reported:	12/06/99
PO Number:		% Moisture:	Not Applicable		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Liquid	RL:	Reporting Limit		
Lab Sample ID:	99-08982-02				

Client Sample ID/Description: MW-10

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result		
Petroleum Hydrocarbons										
Diesel Range Organics	WI DRO	11/30/99	WI DRO	11/30/99	1.0	27	100	480	ug/l	gr
Gasoline Range Organics	SW-846 5030	11/28/99	WI GRO	11/28/99	1.0	100	100	<100	ug/l	
Polynuclear Aromatic Hydrocarbons (PAHs) (GC/MS), Total										
Acenaphthene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.53	2.1	<2.1	ug/l	
Acenaphthylene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.54	2.1	<2.1	ug/l	
Anthracene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.55	2.1	<2.1	ug/l	
Benzo(a)anthracene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.54	2.1	<2.1	ug/l	
Benzo(b)fluoranthene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.82	2.1	<2.1	ug/l	
Benzo(k)fluoranthene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.90	2.1	<2.1	ug/l	
Benzo(g,h,i)perylene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.76	2.1	<2.1	ug/l	
Benzo(a)pyrene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.75	2.1	<2.1	ug/l	
Carbazole	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	1.4	5.2	<5.2	ug/l	
Chrysene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.59	2.1	<2.1	ug/l	
Dibenz(a,h)anthracene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.78	2.1	<2.1	ug/l	
Dibenzofuran	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	1.5	5.2	<5.2	ug/l	
Fluoranthene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.54	2.1	<2.1	ug/l	
Fluorene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.52	2.1	<2.1	ug/l	
Indeno(1,2,3-cd)pyrene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.76	2.1	<2.1	ug/l	
2-Methylnaphthalene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	1.7	5.2	<5.2	ug/l	
Naphthalene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.54	5.2	<5.2	ug/l	
Phenanthrene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.53	2.1	<2.1	ug/l	
Pyrene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.57	2.1	<2.1	ug/l	
*** Semi-Volatile Surrogates ***										
2-Fluorobiphenyl	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	-	-	68	% rec	
Nitrobenzene-d5	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	-	-	77	% rec	
Terphenyl-d14	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	-	-	64	% rec	

gr Although this analyte was not detected at significant levels in the method blank, it appears to be laboratory contamination.

(Report continued on next page)

Client:	Braun Intertec	Laboratory:	Braun Intertec Corporation	Date Sampled:	11/23/99
Log-in:	99-08982	Lab Contact/Phone:	B. Maki/612-942-4820	Date Received:	11/24/99
Project Number:	CNEX-99-249A	Sampler:	Braun	Date Reported:	12/06/99
PO Number:		% Moisture:	16%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	99-08982-03				

Client Sample ID/Description: 1D@3.5' Page: 3

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Petroleum Hydrocarbons									
Diesel Range Organics (dry weight)	WI DRO	11/30/99	WI DRO	12/01/99	1.0	0.98	10	<10	mg/kg
Inorganic									
Solids, Total	-	-	EPA 160.3	11/29/99	1.0	-	-	84	%

(Report continued on next page)

Client:	Braun Intertec	Laboratory:	Braun Intertec Corporation	Date Sampled:	11/23/99
Log-in:	99-08982	Lab Contact/Phone:	B. Maki/612-942-4820	Date Received:	11/24/99
Project Number:	CNEX-99-249A	Sampler:	Braun	Date Reported:	12/06/99
PO Number:		% Moisture:	7%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	99-08982-04				

Client Sample ID/Description: 3D@2.0' Page: 4

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Petroleum Hydrocarbons									
Diesel Range Organics (dry weight)	WI DRO	11/30/99	WI DRO	12/01/99	1.0	0.98	10	<10	mg/kg
Semi-Volatile Organic Compounds (GC/MS)									
Acenaphthene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0070	0.066	<0.066	mg/kg
Acenaphthylene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0070	0.066	<0.066	mg/kg
Anthracene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0060	0.066	<0.066	mg/kg
Benzo(a)anthracene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0050	0.066	<0.066	mg/kg
Benzo(b)fluoranthene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0070	0.066	<0.066	mg/kg
Benzo(k)fluoranthene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0080	0.066	<0.066	mg/kg
Benzo(g,h,i)perylene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0070	0.066	<0.066	mg/kg
Benzo(a)pyrene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0060	0.066	<0.066	mg/kg
Carbazole	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.015	0.066	<0.066	mg/kg
Chrysene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0050	0.066	<0.066	mg/kg
Dibenz(a,h)anthracene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0080	0.066	<0.066	mg/kg
Dibenzofuran	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.021	0.066	<0.066	mg/kg
Fluoranthene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0040	0.066	<0.066	mg/kg
Fluorene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0090	0.066	<0.066	mg/kg
Indeno(1,2,3-cd)pyrene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0060	0.066	<0.066	mg/kg
2-Methylnaphthalene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.025	0.066	<0.066	mg/kg
Naphthalene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0090	0.066	<0.066	mg/kg
Phenanthrene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0050	0.066	<0.066	mg/kg
Pyrene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0050	0.066	<0.066	mg/kg
*** Semi-Volatile Surrogates ***									
2-Fluorobiphenyl	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	-	-	40	% rec
Nitrobenzene-d5	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	-	-	54	% rec
Terphenyl-d14	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	-	-	48	% rec
Inorganic									
Solids, Total	-	-	EPA 160.3	11/29/99	1.0	-	-	93	%

(Report continued on next page)

Client:	Braun Intertec	Laboratory:	Braun Intertec Corporation	Date Sampled:	11/23/99
Log-in:	99-08982	Lab Contact/Phone:	B. Maki/612-942-4820	Date Received:	11/24/99
Project Number:	CNEX-99-249A	Sampler:	Braun	Date Reported:	12/06/99
PO Number:		% Moisture:	17%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	99-08982-05				

Client Sample ID/Description: 4D@1.5' Page: 5

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Petroleum Hydrocarbons									
Diesel Range Organics (dry weight)	WI DRO	11/30/99	WI DRO	12/01/99	1.0	0.98	10	< 10	mg/kg
Inorganic									
Solids, Total	-	-	EPA 160.3	11/29/99	1.0	-	-	83	%

(Report continued on next page)

Client:	Braun Intertec	Laboratory:	Braun Intertec Corporation	Date Sampled:	11/23/99
Log-in:	99-08982	Lab Contact/Phone:	B. Maki/612-942-4820	Date Received:	11/24/99
Project Number:	CNEX-99-249A	Sampler:	Braun	Date Reported:	12/06/99
PO Number:		% Moisture:	15%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	99-08982-06				

Client Sample ID/Description: SD@1.0'

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Petroleum Hydrocarbons									
Diesel Range Organics (dry weight)	WI DRO	11/30/99	WI DRO	12/01/99	1.0	0.98	10	< 10	mg/kg
Inorganic									
Solids, Total	-	-	EPA 160.3	11/29/99	1.0	-	-	85	%

(Report continued on next page)

Client:	Braun Intertec	Laboratory:	Braun Intertec Corporation	Date Sampled:	11/23/99
Log-in:	99-08982	Lab Contact/Phone:	B. Maki/612-942-4820	Date Received:	11/24/99
Project Number:	CNEX-99-249A	Sampler:	Braun	Date Reported:	12/06/99
PO Number:		% Moisture:	17%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	99-08982-07				

Client Sample ID/Description: 1A@3.0' Page: 7

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Petroleum Hydrocarbons									
Diesel Range Organics (dry weight)	WI DRO	11/30/99	WI DRO	12/01/99	1.0	0.98	10	<10	mg/kg
Inorganic									
Solids, Total	-	-	EPA 160.3	11/29/99	1.0	-	-	83	%

(Report continued on next page)

Client:	Braun Intertec	Laboratory:	Braun Intertec Corporation	Date Sampled:	11/23/99
Log-in:	99-08982	Lab Contact/Phone:	B. Maki/612-942-4820	Date Received:	11/24/99
Project Number:	CNEX-99-249A	Sampler:	Braun	Date Reported:	12/06/99
PO Number:		% Moisture:	6%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	99-08982-08				

Client Sample ID/Description: 1C@3.0' Page: 8

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Petroleum Hydrocarbons									
Diesel Range Organics (dry weight)	WI DRO	11/30/99	WI DRO	12/01/99	1.0	0.98	10	<10	mg/kg
Inorganic									
Solids, Total	-	-	EPA 160.3	11/29/99	1.0	-	-	94	%

(Report continued on next page)

Client:	Braun Intertec	Laboratory:	Braun Intertec Corporation	Date Sampled:	11/23/99
Log-in:	99-08982	Lab Contact/Phone:	B. Maki/612-942-4820	Date Received:	11/26/99
Project Number:	CNEX-99-249A	Sampler:	Braun	Date Reported:	12/06/99
PO Number:		% Moisture:	29%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	99-08982-09				

Client Sample ID/Description: 2C@2.5' Page: 9

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Petroleum Hydrocarbons									
Diesel Range Organics (dry weight)	WI DRO	11/30/99	WI DRO	12/01/99	1.0	0.98	10	<10	mg/kg
Semi-Volatile Organic Compounds (GC/MS)									
Acenaphthene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0070	0.066	<0.066	mg/kg
Acenaphthylene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0070	0.066	<0.066	mg/kg
Anthracene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0060	0.066	<0.066	mg/kg
Benzo(a)anthracene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0050	0.066	<0.066	mg/kg
Benzo(b)fluoranthene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0070	0.066	<0.066	mg/kg
Benzo(k)fluoranthene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0080	0.066	<0.066	mg/kg
Benzo(g,h,i)perylene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0070	0.066	<0.066	mg/kg
Benzo(a)pyrene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0060	0.066	<0.066	mg/kg
Carbazole	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.015	0.066	<0.066	mg/kg
Chrysene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0050	0.066	<0.066	mg/kg
Dibenz(a,h)anthracene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0080	0.066	<0.066	mg/kg
Dibenzofuran	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.021	0.066	<0.066	mg/kg
Fluoranthene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0040	0.066	<0.066	mg/kg
Fluorene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0090	0.066	<0.066	mg/kg
Indeno(1,2,3-cd)pyrene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0060	0.066	<0.066	mg/kg
2-Methylnaphthalene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.025	0.066	<0.066	mg/kg
Naphthalene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0090	0.066	<0.066	mg/kg
Phenanthrene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0050	0.066	<0.066	mg/kg
Pyrene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0050	0.066	<0.066	mg/kg
*** Semi-Volatile Surrogates ***									
2-Fluorobiphenyl	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	-	-	48	% rec
Nitrobenzene-d5	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	-	-	48	% rec
Terphenyl-d14	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	-	-	56	% rec
Inorganic									
Solids, Total	-	-	EPA 160.3	11/29/99	1.0	-	-	71	%

(Report continued on next page)

Client:	Braun Intertec	Laboratory:	Braun Intertec Corporation	Date Sampled:	11/23/99
Log-in:	99-08982	Lab Contact/Phone:	B. Maki/612-942-4820	Date Received:	11/26/99
Project Number:	CNEX-99-249A	Sampler:	Braun	Date Reported:	12/06/99
PO Number:		% Moisture:	12%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	99-08982-10				

Client Sample ID/Description: EXC E@1.0' Page: 10

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Petroleum Hydrocarbons									
Diesel Range Organics (dry weight)	WI DRO	11/30/99	WI DRO	12/01/99	1.0	0.98	10	<10	mg/kg
Inorganic									
Solids, Total	-	-	EPA 160.3	11/29/99	1.0	-	-	88	%

(Report continued on next page)

Client:	Braun Intertec	Laboratory:	Braun Intertec Corporation	Date Sampled:	11/23/99
Log-in:	99-08982	Lab Contact/Phone:	B. Maki/612-942-4820	Date Received:	11/26/99
Project Number:	CNEX-99-249A	Sampler:	Braun	Date Reported:	12/06/99
PO Number:		% Moisture:	9%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	99-08982-11				

Client Sample ID/Description: EXC F@1.0' Page: 11

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Petroleum Hydrocarbons									
Diesel Range Organics (dry weight)	WI DRO	11/30/99	WI DRO	12/01/99	1.0	0.98	10	<10	mg/kg
Inorganic									
Solids, Total	-	-	EPA 160.3	11/29/99	1.0	-	-	91	%

(Report continued on next page)

Client:	Braun Intertec	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	99-08982	Lab Contact/Phone:	B. Maki/612-942-4820	Date Received:	11/26/99
Project Number:	CNEX-99-249A	Sampler:	Braun	Date Reported:	12/06/99
PO Number:		% Moisture:	Not Applicable		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	99-08982-12				

Client Sample ID/Description: Method Blank

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Semi-Volatile Organic Compounds (GC/MS)									
Acenaphthene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0070	0.067	<0.067	mg/kg
Acenaphthylene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0070	0.067	<0.067	mg/kg
Anthracene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0060	0.067	<0.067	mg/kg
Benzo(a)anthracene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0050	0.067	<0.067	mg/kg
Benzo(b)fluoranthene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0070	0.067	<0.067	mg/kg
Benzo(k)fluoranthene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0080	0.067	<0.067	mg/kg
Benzo(g,h,i)perylene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0070	0.067	<0.067	mg/kg
Benzo(a)pyrene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0060	0.067	<0.067	mg/kg
Carbazole	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.015	0.067	<0.067	mg/kg
Chrysene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0050	0.067	<0.067	mg/kg
Dibenz(a,h)anthracene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0080	0.067	<0.067	mg/kg
Dibenzofuran	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.021	0.067	<0.067	mg/kg
Fluoranthene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0040	0.067	<0.067	mg/kg
Fluorene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0090	0.067	<0.067	mg/kg
Indeno(1,2,3-cd)pyrene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0060	0.067	<0.067	mg/kg
2-Methylnaphthalene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.025	0.067	<0.067	mg/kg
Naphthalene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0090	0.067	<0.067	mg/kg
Phenanthrene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0050	0.067	<0.067	mg/kg
Pyrene	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	0.0050	0.067	<0.067	mg/kg
*** Semi-Volatile Surrogates ***									
2-Fluorobiphenyl	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	-	-	72	% rec
Nitrobenzene-d5	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	-	-	79	% rec
Terphenyl-d14	SW-846 3545	12/01/99	SW-846 8270	12/02/99	1.0	-	-	57	% rec

(Report continued on next page)

Client:	Braun Intertec	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	99-08982	Lab Contact/Phone:	B. Maki/612-942-4820	Date Received:	11/26/99
Project Number:	CNEX-99-249A	Sampler:	Braun	Date Reported:	12/06/99
PO Number:		% Moisture:	Not Applicable		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Liquid	RL:	Reporting Limit		
Lab Sample ID:	99-08982-13				

Client Sample ID/Description: Method Blank

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Polynuclear Aromatic Hydrocarbons (PAHs) (GC/MS), Total									
Acenaphthene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.53	2.0	<2.0	ug/l
Acenaphthylene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.54	2.0	<2.0	ug/l
Anthracene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.55	2.0	<2.0	ug/l
Benzo(a)anthracene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.54	2.0	<2.0	ug/l
Benzo(b)fluoranthene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.82	2.0	<2.0	ug/l
Benzo(k)fluoranthene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.90	2.0	<2.0	ug/l
Benzo(g,h,i)perylene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.76	2.0	<2.0	ug/l
Benzo(a)pyrene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.75	2.0	<2.0	ug/l
Carbazole	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	1.4	5.0	<5.0	ug/l
Chrysene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.59	2.0	<2.0	ug/l
Dibenz(a,h)anthracene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.78	2.0	<2.0	ug/l
Dibenzofuran	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	1.5	5.0	<5.0	ug/l
Fluoranthene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.54	2.0	<2.0	ug/l
Fluorene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.52	2.0	<2.0	ug/l
Indeno(1,2,3-cd)pyrene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.76	2.0	<2.0	ug/l
2-Methylnaphthalene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	1.7	5.0	<5.0	ug/l
Naphthalene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.54	5.0	<5.0	ug/l
Phenanthrene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.53	2.0	<2.0	ug/l
Pyrene	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	0.57	2.0	<2.0	ug/l
*** Semi-Volatile Surrogates ***									
2-Fluorobiphenyl	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	-	-	61	% rec
Nitrobenzene-d5	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	-	-	73	% rec
Terphenyl-d14	SW-846 3520	11/29/99	SW-846 8270	11/30/99	1.0	-	-	59	% rec

(End of Report)

BRAUN INTERTEC
Braun Intertec Corporation
6875 Washington Ave. S.
Edina, MN 55439-0108
(612) 942-4930 Fax (612) 942-4844
labservices@brauncorp.com

REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT
Date Results Requested: _____
Time _____
Rush Charges Authorized? ___ Yes ___ No
Rush / Quote # _____

Page ___ of ___

For Braun Intertec Use Only
Braun Intertec Project No.

REPORT RESULTS TO
Contact Name
Company Strategic Materials
Mailing Address West Silver Spring
City, State, Zip Milwaukee, WI
Telephone # Fax #

Project ID/Project Name CNEX-99-249A
P.O. #

SEND INVOICE TO
Contact Name Mark G. Company Braun Intertec
Address 2831 Larson St
City, State, Zip LaCrosse, WI
Telephone # Fax #

Special Instructions and/or Specific Regulatory Requirements:
(method, limit of detection, petrofund, reporting units)

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/ MEDIA	AIR VOLUME (specify units)	Number of Containers	Metals Field Filtered Y/N	DRO	PAHs	~~PVOC~~ 6RO	FOR LAB USE ONLY
MW-3	11-23-99	3:30	water		7		X	X	X	
MW-10		4:10	water		7		X	X	X	
1D @ 3.5		1:00	Soil		3		X	X		
3D @ 2.0		1:15			3		X	X		
4D @ 1.5		1:30			3		X	X		
5D @ 1.0		1:45			3		X	X		
1A @ 3.0		2:00			3		X	X		
1C @ 3.0		2:15			3		X	X		
2C @ 2.5		2:30			3		X	X		

ANALYSIS REQUESTED
(Enter an 'X' in the box below to indicate request)

CHAIN OF CUSTODY
Collected by: Paul Tepp (print) Collector's Signature: Paul Tepp
Relinquished by: Paul Tepp Date/Time 11-25-99 5:00
Relinquished by: Date/Time
Received by: Date/Time
Received by: Date/Time

Evidence Tape Intact ☐ Yes ☐ No ☐ N/A
Sample Condition Upon Receipt: ☐ Acceptable ☐ Other _____
Temperature _____ °C ☐ Received on Ice

Comments: should have recieved the water Samples on Wed. 11-24-99.

10/97

DEC 08 '99 10:34AM BRAUN INTERTEC BLDG2 P.15/16

BRAUN INTERTEC™
Braun Intertec Corporation
6876 Washington Ave. S.
Edina, MN 55439-0100
(612) 942-4930 Fax (612) 942-4844
labservices@brauncorp.com

Revised COC

REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT
Date Results Requested: _____
Time _____
Rush Charges Authorized? ___ Yes ___ No
Rush / Quote # _____

Page ___ of ___

For Braun Intertec Use Only
Braun Intertec Project No.
99-08982

REPORT RESULTS TO
Contact Name | Project ID/Project Name CNEY 99-249A | P.O. #
Company Strategic Materials
Mailing Address 1155 Silver Spring
City, State, Zip Milwaukee, WI
Telephone # | Fax #

SEND INVOICE TO
Contact Name Mark G. | Company Braun Intertec
Address 2631 Larson St
City, State, Zip La Crosse, WI
Telephone # | Fax #

Special Instructions and/or Specific Regulatory Requirements:
(method, limit of detection, petrofund, reporting units)

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/ MEDIA	AIR VOLUME (specify units)	Number of Containers	Metals Field Filtered Y/N	DRO	PAHs	GRO	FOR LAB USE ONLY
MW-3 Z Shipped	11-23-99	3:30	Water		7		X	X	X	99-08982-01
MW-10 S Tue PM		4:10	Water		7		X	X	X	-02
1D @ 3.5		1:00	Soil		3		X	[redacted]		-03
#3D @ 2.0		1:15			3		X	(X)		-04
4D @ 1.5		1:30			3		X	[redacted]		-05
5D @ 1.0 Shipped Wed PM		1:45			3		X	[redacted]		-06
1A @ 3.0		2:00			3		X	[redacted]		-07
1C @ 3.0		2:15			3		X	[redacted]		-08
#2C @ 2.5		2:30			3		X	(X)		-09
Exc E @ 1.0		2:45			3		X	[redacted]		-10
Exc F @ 1.0		3:00			3		X	[redacted]		-11

CHAIN OF CUSTODY
Collected by: Paul Tepp (print) | Collector's Signature: Paul Tepp
Relinquished by: Paul Tepp | Date/Time 11/23/99 5:00
Relinquished by: | Date/Time
Received by: | Date/Time
Received by: Andrea Gabbert | Date/Time 12/6/99

Evidence Tape Intact ☐ Yes ☐ No ☐ N/A
Sample Condition Upon Receipt: ☐ Acceptable ☐ Other _____
Temperature _____ °C ☐ Received on Ice

Comments: Should have received the water samples on Wed. 11-24-99.

10/97

DEC 08 '99 10:35AM BRAUN INTERTEC BLDG2 P.15/16
NOV-26-1999 10:06 BRAUN INTERTEC LA CROSSE P.02
TOTAL P.02

BRAUN[SM]
INTERTEC

Braun Intertec Corporation
2831 Larson Street
La Crosse, Wisconsin 54603-1814
608-781-7277 Fax: 781-7279

Engineers and Scientists Serving the Built and Natural Environments

November 19, 1999

Project CNEX-99-232A

Mr. Randall Slinkard
Strategic Materials, Inc.
5151 San Felipe, Suite 1400
Houston, TX 77056-3609

Dear Mr. Slinkard:

Re: Phase I Environmental Site Assessment for the Strategic Materials property located at 12305 West Silver Spring Road in Milwaukee, Wisconsin

In accordance with your authorization on October 26, 1999, a Phase I Environmental Site Assessment (Phase I ESA) of the referenced property was completed. The objective of the Phase I ESA was to evaluate the property for indications of recognized environmental conditions. This Phase I ESA was performed in general conformance with the scope and limitations of ASTM Practice E 1527-97.

Please refer to the attached report for the scope, methods and conclusions of our assessment.

We appreciate the opportunity to provide our professional services to you for this project. If you have any questions regarding the attached report, please contact Ted Hubbes or Mark Gretebeck at (608) 781-7277.

Sincerely,
Braun Intertec Corporation

Ted R. Hubbes, PG
Environmental Geologist

Attachment:
Phase I Environmental Site Assessment Report

f:\projcnex\mlg99232\reports\phasei

Table of Contents

Appendices:

BRAUN INTERTEC

Braun Intertec Corporation
2831 Larson Street
La Crosse, Wisconsin 54603-1814
608-781-7277 Fax: 781-7279

Engineers and Scientists Serving the Built and Natural Environments

A. Introduction

A Phase I Environmental Site Assessment (Phase I ESA) of the Strategic Materials property located at 12305 West Silver Spring Road in Milwaukee, Wisconsin, (the ***Site***) was completed to evaluate environmental conditions at the ***Site***.

This report details the sources of information reviewed and obtained during the Phase I ESA.

A.1. Purpose

The purpose of this Phase I ESA was to evaluate the ***Site*** for indications of recognized environmental conditions relating to the ***Site***.

A.2. Scope of Services

The services provided consisted of the following:

- Conducting this Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-97 of the Strategic Materials property located at 12305 West Silver Spring Road in Milwaukee, Wisconsin.

Intentional deviations from the ASTM Practice E 1527-97 for this Phase I ESA, if any, are described in Section A.3. of this report.

A.3. Deviations from the ASTM Practice E 1527-97

No intentional deviations from the ASTM Practice E 1527-97 were made in the completion of this Phase I ESA for the ***Site***.

B. *Site* Description

B.1. Location and Legal Description

The ***Site*** is located in the northwest quarter of the northwest quarter of Section 31, Township 8 North, Range 21 East, in the City of Milwaukee, Milwaukee County, Wisconsin (Appendix A). A detailed legal description was not provided for the ***Site***.

B.2. *Site* and Vicinity Characteristics

The triangular area bound by Silver Spring Road to the north and Chicago and Northwestern Railroad to the southwest and southeast (Appendix B) was originally one parcel with the address 12125 West Silver Spring Road, until approximately 1984 when it was divided into four Parcels. The ***Site*** is currently made up of two of these parcels.

At the time of this Phase I ESA, recycling operations at the ***Site*** had ceased and materials were being removed from the ***Site***. The ***Site*** consisted of approximately 3 acres. The ***Site*** was irregular in shape. The ***Site*** was accessible from Silver Spring Road to the north (Appendix B). The ***Site*** is currently owned by Strategic Materials, Inc. (formerly known as Allwaste, Inc.).

The ***Site*** was bordered to the north by Silver Spring Road and several commercial businesses. The ***Site*** was bordered to the east and west by Chicago and Northwestern Railroad right-of-way. The ***Site*** was bordered to south by Silver Spring Drive. Properties in the area of the ***Site*** consist of industrial and commercial businesses.

B.3. Environmental Liens and Chain-of-Title Records

No information regarding environmental liens was provided by Strategic Materials, Inc. A chain-of-title for the ***Site*** was not provided by Strategic Materials, Inc.

A chain-of-title report was completed as part of a previous Phase I ESA for the ***Site*** (Swanson Environmental Inc. 1994a) (Appendix C). The report indicated the ***Site*** was owned by the Milwaukee, Sparta and Northwestern Railroad (currently known as Chicago and Northwestern Railroad) from 1909 through 1963. From 1963 through 1984, the ***Site*** was owned by Highway Pavers, Inc. Employees Profit Sharing and Retirement Plan Trust Fund. From 1984 through 1986, the ***Site*** was owned by Mr. Charles W. Aring, Jr. The ***Site*** was owned by Mr. William Thessin and

Ms. Margi King from 1986 through 1987 and by Ms. King from 1987 through 1994. The ***Site*** is currently owned by Strategic Materials, Inc. (formerly known as Allwaste, Inc.).

C. Records Review and Interviews

C.1. Physical Setting Information

C.1.a. General Geologic Conditions. The topography of the ***Site*** slopes to the south/southeast. According to the United States Geological Survey, Wauwatosa quadrangle topographic map, the elevation of the ***Site*** ranges from approximately 740 to 750 feet above mean sea level.

The ***Site*** lies in an area of glacial till deposits including clay, silt, sand and gravel. The estimated thickness of unconsolidated deposits in the area is approximately 50 to 100 feet (Skinner, E.L., and Borman, R.G., 1973, Water Resources of the Wisconsin-Lake Michigan Basin).

The bedrock units beneath the unconsolidated soils consist of dolomite formations. The thickness of the dolomite formations is approximately 750 feet (Skinner, E.L., and Borman, R.G., 1973, Water Resources of Wisconsin-Lake Michigan Basin).

C.1.b. General Hydrogeology. Groundwater is present at the ***Site*** at a depth of approximately 8 to 12 feet below ground surface. Groundwater flow direction is to the southeast (Swanson Environmental, 1995). A detailed groundwater study was not part of the scope of services for this project.

C.1.c. Water Well Database. Water well database information was obtained from Vista Information Solutions, Inc. (Vista). There was documentation of one public supply water well within 1/2 mile of the ***Site***. The well was listed as United States Geological Survey Well ID#430707088042101. This well is approximately 0.38 miles to the west of the ***Site*** and extends to a depth of 1,697 feet below ground surface. There was documentation of approximately 30 additional industrial, commercial and residential wells within 1/2 mile of the ***Site***. Most of the documented wells were installed in the 1950s and 1960s. The City of Milwaukee Water Works Department confirmed that the ***Site*** and properties adjacent to the ***Site*** are connected to city water.

C.2. Regulatory Information

Regulatory information pertaining to the *Site* and surrounding area was obtained from Vista. The regulatory information is reported in the form of Federal Database Records and State Database Records (Appendix D).

C.2.a. Federal Database Records. The Federal Database Records report summarized the following United States Environmental Protection Agency (USEPA) databases and lists, which were evaluated by Vista for current listings of verified and potential hazardous waste problem facilities located at, adjacent to or within ASTM Standard Search Distances from the *Site*.

- **USEPA National Priorities List (NPL)** - The NPL is the USEPA's national listing of uncontrolled or abandoned hazardous waste facilities identified for priority remedial actions under the Superfund Program.
- **USEPA Corrective Action Report (CORRACTS)** - CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.
- **USEPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)** - The CERCLIS is the USEPA's national listing of actual and potential hazardous waste sites.
- **USEPA Treatment, Storage, and Disposal Facilities (TSD)** - TSD is a listing of RCRA permitted treatment, storage, and disposal facilities.
- **USEPA RCRA Violations/Enforcement Actions (RCRA Viol)** - RCRA Violators are facilities which have been cited for RCRA Violations at least once since 1980. RCRA Enforcements are enforcement actions taken against RCRA violators.
- **USEPA Toxic Release Inventory (TRIS)** - TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under Records of Emergency Release Notification.
- **USEPA Emergency Response Notification System (ERNS)** - The ERNS is the USEPA's national listing of releases of oil and hazardous substances reported to the USEPA, U.S. Coast Guard, the National Response Center and the Department of Transportation.
- **USEPA Generators (GNRTR)** - Small and large generators of hazardous waste required to register their hazardous waste activity under the Resource Conservation and Recovery Act (RCRA).

The Unmapped Sites list is a compilation of facilities from all of the above databases that could not be specifically located. Please note that limited information was provided for sites on the Unmapped sites list. Some sites may not be specifically located due to the lack of information provided. Therefore, the potential impact to the *Site* from facilities listed on the Unmapped Sites list cannot always be determined based on the available information.

The following table contains a summary of the findings:

Table 1

Database	*Site*	Search Distance (Miles)	<1/8	1/8-1/4	1/4-1/2	1/2-1	Total Listed
NPL	0	1	0	0	0	0	0
CORRACTS	0	1	0	0	0	0	0
TSD	0	1/2	0	0	0	-	0
CERCLIS	1	1/2	0	0	0	-	1
TRIS	0	3/4	0	0	-	-	0
RCRA Viol	0	3/4	0	0	-	-	0
ERNS	0	1/8	0	-	-	-	0
RCRA-GNRTR	0	1/8	3	-	-	-	3

The Highway Pavers site, 12125 West Silver Spring Road, is listed by CERCLIS as a No Further Remedial Action Planned (NFRAP) site. The 12125 address occupied by Highway Pavers included the ***Site***. A preliminary assessment was completed in 1985 and the property was qualified as a "lower priority". The site was listed as a NFRAP site in 1989. Additional information was obtained from the WDNR file for the Highway Pavers site (Section C.2.d.).

Three RCRA Small Quantity Generator (SQG) sites were listed within 1/8-mile radius of the ***Site***. None of the listed SQG facilities are located adjacent to the ***Site***. A facility that is listed as a SQG facility has been permitted to store and/or dispose of hazardous materials. Identification of a facility as a SQG facility does not imply that a release has occurred at the facility.

Review of the unmapped sites list did not identify any federal facilities within corresponding ASTM Standard specified search distances from the ***Site***.

C.2.b. State Database Records. The Vista report included a compilation of the following Wisconsin Department of Natural Resources (WDNR) databases and lists of verified and potential hazardous waste problem facilities located at, adjacent to or within ASTM Standard Search Distances from the ***Site***:

- **SPL** - State Superfund Permanent List of Priorities. The SPL list identifies hazardous waste sites where investigation and cleanup are needed, activities leading to cleanup are underway, or cleanup actions have been completed and long-term monitoring or maintenance continues.

- **SCL** - State Environmental Response and Repair List (SCL). The SCL contains records from the WDNR Environmental Response and Repair Section, which include the Environmental Repair Program database, the Hazard Ranking List and Voluntary Investigation Program.
- **LUST** - WDNR Leaking Underground Storage Tanks. LUST records contain an inventory of reported leaking underground storage tank incidents.
- **SWLF** - Solid Waste Landfills. SWLF records list the permitted soil waste landfills, incinerators, or transfer stations.
- **Water Wells** - The Groundwater Water Site Inventory (GWSI) database information provided by the U.S. Geological Survey.
- **UST/AST** - Underground or Aboveground Storage Tanks registered with the state.
- **SPILLS** - WDNR Spills list. A list of hazardous material spills in Wisconsin.

The Unmapped Sites list is a compilation of facilities from the above databases which could not be specifically located. Please note that limited information was provided for sites listed on the Unmapped Sites list. Some sites may not be specifically located due to the lack of information provided. Therefore, the potential impact to the ***Site*** from facilities listed on the Unmapped Sites list cannot always be determined based on the available information.

The following table contains a summary of the findings:

Table 2

Database	*Site*	Search Distance (Miles)	<1/8	1/8-1/4	1/4-1/2	1/2-1	Total Listed
SPL	0	1	0	0	0	0	0
SCL	1	1/2	1	2	1	-	5
LUST	0	1/2	2	9	14	-	25
SWLF	0	1/2	1	1	0	-	2
Water Wells	0	1/2	0	0	1	-	1
UST/AST	1	1/4	2	12	-	-	15
SPILLS	0	1/8	0	-	-	-	0

The ***Site*** was listed as a SCL site under the name Allwaste, Inc. Additional information was obtained from the WDNR file (Section C.2.e.). Three 250-gallon ASTs containing gasohol, diesel and used oil were also registered for the ***Site***. The ASTs are registered as active/in service.

Four additional SCL facilities were listed within 1/2 mile of the ***Site***. The nearest of the SCL sites identified, Sprinkmann Sons, is located across Silver Spring Road to the north/northeast of the ***Site***. Pollutants listed for the ***Site*** include volatile organic compounds (VOCs) and chlorinated solvents. No further information was available. Based on the groundwater flow direction in the vicinity of the ***Site*** (see Section C.1.b.), there is a potential for groundwater contamination associated with the Sprinkmann Sons site to impact the groundwater quality beneath the ***Site***. Groundwater sampling conducted to date at the ***Site*** indicates the release at the Sprinkmann Sons site had not affected soil or groundwater at the ***Site*** in the locations sampled. However, a potential exists that the release at the Sprinkmann Sons site could impact the groundwater at the ***Site*** in the future, or has impacted the ***Site*** at locations which have not been sampled.

The three remaining SCL sites are located in the downgradient or sidegradient directions from the ***Site***. Therefore, it is not likely that groundwater contamination originating from the remaining SCL facilities (if groundwater contamination exists) has impacted the soil or groundwater beneath the ***Site***. However, based on available information, it is unknown whether contamination associated with these SCL facilities has had an adverse impact to the ***Site***.

Twenty-five LUST facilities were listed within a 1/2-mile radius of the ***Site***. Please refer to Appendix D of this report for a listing of the LUST facilities located within corresponding ASTM Standard specified search distances of the ***Site***.

The Sprinkmann Sons site is listed as a high priority LUST site with soil and groundwater contamination. No further information was available. As discussed above, there is a potential for groundwater contamination associated with the Sprinkmann Sons site to impact the groundwater quality beneath the ***Site***.

The twenty-four remaining LUST sites are located in the downgradient or sidegradient directions from the ***Site***. Therefore, it is not likely that groundwater contamination originating from the remaining LUST facilities (if groundwater contamination exists) has impacted the soil or groundwater beneath the ***Site***. However, based on available information, it is unknown whether contamination associated with these LUST facilities has had an adverse impact to the ***Site***.

In addition to the ***Site***, 14 UST/AST facilities were listed within a 1/4-mile radius of the ***Site***. The Sprinkmann Sons has one 2,000-gallon unleaded gasoline UST registered as closed/removed. The 13 remaining UST/AST sites are located in the downgradient or sidegradient directions from the ***Site***. Therefore, it is not likely that groundwater contamination originating from the remaining UST/AST facilities (if groundwater contamination exists) has

impacted the soil or groundwater beneath the ***Site***. However, based on available information, it is unknown whether contamination associated with these UST/AST facilities has had an adverse impact to the ***Site***.

Insulation Removal Ltd., listed at the address currently occupied by Sprinkmann Sons (12100 West Silver Spring Road), was listed with the Wisconsin Solid and Hazardous Waste Information System. One additional site, Incinerator Boiler Corp, 11930 West Silver Spring Drive, was also listed. This listing does not imply a release has occurred at either facility. No further information was available.

Review of the unmapped sites list did not identify any state facilities within corresponding ASTM Standard specified search distances from the ***Site***.

C.2.c. Additional Records - Wisconsin Department of Commerce Tank Database Review. A review of the Wisconsin Department of Commerce tank database for the ***Site*** was completed. The results of the database review identified three 250-gallon (gasohol, diesel, and used oil) USTs at the ***Site***. The tank database printouts are contained in Appendix E.

C.2.d. Additional Records - Wisconsin Department of Natural Resources file review - Highway Pavers, 12125 West Silver Spring Road (FID #241376850). The file labeled Highway Pavers (also known as Zenith Tech.) was reviewed at the WDNR office in Madison, Wisconsin. The file contained a letter to Highway Pavers from the WDNR dated September 2, 1975, indicating the ***Site*** was being filled with materials such as wood, metal cans, metals drums, etc. The letter stated that landfilling operations at the ***Site*** were to be restricted to earth and small amounts of broken concrete. A file memo dated January 22, 1976, indicated that deposited refuse material had been removed, further filling was restricted to clean earth material and the WDNR was closing their file on the ***Site***.

A site screening inspection (SSI) was completed for the ***Site*** in 1989 (Ecology and the Environment, Inc. 1989). The SSI included the collection of eight soil samples and three groundwater samples. The report indicated that volatile and semi-volatile organic compounds were detected in samples of soil from the ***Site***. The report also indicated that compounds were detected in the groundwater samples collected from water supply wells greater than 1 mile from the ***Site***.

A letter in the file to the USEPA from WDNR dated October 26, 1989, questioned the EPA decision to not require further investigation at the ***Site***. The WDNR requested the EPA to reconsider it's recommendation for the No Further Remedial Action Planned (NFRAP) status of the ***Site***.

No further information was present in the WDNR file.

C.2.e. Additional Records - Wisconsin Department of Natural Resources file review - Allwaste Recycling, 12305 West Silver Spring Road (FID#241486630). The file labeled Allwaste Recycling was reviewed at the WDNR Southeast Regional Headquarters in Milwaukee, Wisconsin. The file contained letters indicating a release was detected at the ***Site***. The following five areas of concern were discovered during a Phase I/II ESA at the ***Site*** (Swanson Environmental 1994a):

- Area 1 - waste oil AST near the garage building.
- Area 2 - three ASTs in the center of the ***Site***.
- Area 3 - Kramer System in the west-central portion of the ***Site***.
- Area 4 - 12-Mesh System in the east-central portion of the ***Site***.
- Burn Pit - in the southeastern area of the ***Site***.

The following recommendations were noted in a *Subsurface Investigation Report* (Swanson Environmental, 1995):

- No further action in Area 1.
- Excavation and off-site treatment of surficial soils in Areas 2 through 4.
- Further investigation in the burn pit area.

Area 2 was remediated in 1997 (Braun Intertec 1997). Approximately 350 tons of impacted soils were removed from Area 2. Samples collected from the excavation floor and sidewalls had petroleum constituent concentrations less than WDNR standards. The report did not request closure due to the other environmental issues at the ***Site***.

Further investigation and remediation was completed in the burn pit area (Braun Intertec, 1998). Approximately 1,644 tons of impacted soils were removed from the burn pit area. Samples collected from the excavation floor and sidewalls had petroleum constituent concentrations less than WDNR standards. Benzo (a) pyrene was detected in groundwater samples at a concentrations greater than WDNR Preventive Action Limits (PALs). Closure was requested for Area 2 and the burn pit area. Complete site closure was not requested due to the other environmental issues at the ***Site***.

A letter in the file from the WDNR to Allwaste, Inc. dated August 12, 1998, indicated the WDNR had granted a PAL exemption for benzo (a) pyrene and approved site closure for the burn pit area only.

C.3. Local Government Information

Various City of Milwaukee offices were contacted for information regarding the ***Site***. The following sections discuss the information that was obtained.

C.3.a. City of Milwaukee Fire Department. A search for information regarding the presence of USTs and ASTs and the occurrence of hazardous material spills located on the ***Site*** was completed by the City of Milwaukee Fire Department. The Fire Department had no records of any USTs, ASTs, hazardous material releases or other environmental concerns at the addresses 12305 and 12125 West Silver Spring Road.

C.3.b. City of Milwaukee Inspection Department. Records were reviewed at the City of Milwaukee Inspection Department for information regarding past and present land use of the ***Site***. The Inspection Department had numerous records for the ***Site*** including building, plumbing and electrical permits and inspection reports dated 1969 through 1994.

C.3.c. City of Milwaukee Zoning Department. The City of Milwaukee Zoning Department was contacted for information regarding the ***Site***. The Zoning Department indicated the ***Site*** is zoned ID40, an industrial zoning classification.

C.4. Historical Information

C.4.a. Historical Aerial Photographs. Aerial photographs dated 1963, 1967, 1970, 1975, 1980, 1985, 1990 and 1995 from the Southeast Wisconsin Regional Planning Commission were reviewed. Copies of the 1963, 1975, 1985 and 1995 aerial photographs are attached in Appendix F.

In the 1963 aerial photograph, the ***Site*** appeared to be vacant. The northeastern portion of the ***Site*** appeared to have been graded. In the 1967 aerial photograph, a building was added on the current 12101 West Silver Spring Road Parcel. The southwest portion of the ***Site*** remained vacant. In the 1970 aerial photograph, the current garage building was present on the ***Site*** and buildings were present on the current 12101 and 12125 West Silver Spring Road Parcels. In the 1975 and 1980 aerial photographs, numerous semi-trailers were located on the ***Site***. A settling pond or pit appears to have been located in the southeast portion of the ***Site***. A road extended along the western property boundary. In the 1985 aerial photograph, the ***Site*** appears mostly vacant with the exception of the three buildings and approximately 20 semi-trailers parking on the ***Site***. The settling pond or pit noted on the previous aerial photographs was still present. In the 1990 and 1995 aerial photographs, a fence was installed along the northeast property

boundary to separate the ***Site*** from the current 12101 and 12125 West Silver Spring Road Parcels. Approximately 20 semi-trailers were parked on the ***Site*** and the adjacent properties to the northeast. Several railcars were parked on the spur track adjacent to the ***Site*** in the 1995 aerial photograph.

C.4.b. Sanborn Fire Insurance Maps. No Sanborn Fire Insurance Maps covering the ***Site*** area were available.

C.4.c. City Directories. Milwaukee City Directories from the years 1957, 1965, 1974, 1979, 1984, 1987, 1991 and 1997 were reviewed for information pertaining to the address of 12305 Silver Spring Road (Appendix G). There was no information regarding the 12305 West Silver Spring Road address from 1957 through 1984. The 1987 through 1997 city directories listed Strategic Materials at 12305 West Silver Spring Road. In 1965, Zenith Tech. (highway construction) was listed at the address of 12101 West Silver Spring Road. From 1974 through 1984, Zenith Tech. (highway construction) was listed at the address of 12125 West Silver Spring Road. From 1987 through 1997, Great Lakes Contact Lenses was listed at the address of 12125 West Silver Spring Road.

D. Information from *Site* Reconnaissance and Interviews

A ***Site*** reconnaissance was completed on October 28, 1999. Information was obtained from the following individuals regarding the ***Site***:

- Mr. Javier Juarez - ***Site*** representative, Strategic Materials, Inc.

Site photographs are attached in Appendix H.

D.1. Known Current and Past Uses of the *Site* and Adjoining Properties

Mr. Javier Juarez, ***Site*** representative for Strategic Materials, Inc. indicated the ***Site*** was used as a glass recycling facility for at least 10 to 12 years prior to being shut down on August 20, 1999. The recycling process consisted of hauling in recyclable glass, crushing the glass, and hauling it off site. At the time of this assessment, the recycling operations at the ***Site*** has ceased and materials were being removed from the ***Site***.

The ***Site*** was located on Silver Spring Road. The ***Site*** consisted of an approximately 3-acre irregular shaped lot. Land use surrounding the ***Site*** was comprised of industrial and commercial properties. The ***Site*** was bordered to the north by Silver Spring Road and two commercial businesses: Great Lakes contact lenses (12125 West Silver Spring Road), which appeared to be vacant, and Track, Truck & Equipment Co., Inc. (12101 West Silver Spring Road). Several additional commercial/industrial businesses were located to the north of West Silver Spring Road. Chicago and Northwestern Railroad right-of-way and commercial/industrial businesses were located to the southeast and southwest of the ***Site***. West Silver Spring Drive and commercial/industrial businesses were located to the south of the ***Site***.

D.2. *Site* Layout

Two buildings were present in the northwest corner of the ***Site***; an office trailer and a service garage building. The garage included of two service bays, two small offices and a small second floor area. Mr. Juarez indicated the garage is used for vehicle maintenance. One floor drain was located in the building. Mr. Juarez indicated the floor drain is connected to the sewer system.

Two small storage sheds were located in the northeastern corner of the ***Site***. Several portions of the ***Site*** are covered with concrete pads. The portion of the ***Site*** not covered with buildings or concrete pads was covered with gravel and crushed glass. Mr. Juarez indicated the ***Site*** is re-graded periodically and that crushed limestone fill is occasionally brought onto the ***Site***.

During the reconnaissance, the ***Site*** topography appeared relatively flat and sloped to the southeast. Surface water was not observed on the ***Site***. Several piles of fill, debris and scrap metals were noted on the ***Site***. Numerous piles of concrete blocks were noted on the ***Site***.

D.3. Hazardous Substances and Petroleum Products

Hazardous substances and petroleum products observed on the ***Site*** include the following:

- Three ASTs containing waste oil, gasoline and diesel fuel were present near the southwest corner of the garage building. According to Mr. Juarez, the gasoline AST was empty and the diesel AST was nearly empty and would not be refilled after use of the remaining contents.
- Two ASTs were present in the upstairs of the garage building. Mr. Juarez indicated the ASTs contained machine oil.
- Seven 55-gallon drums containing waste oil and used oil dry were located on pallets behind the garage building. The drums containing oil dry were unsealed.

- A sealed 55-gallon drum was located on a pallet to the southwest of the garage building. Mr. Juarez indicated the drum contained diesel fuel.
- A sealed 55-gallon drum of unknown contents was located in the upstairs of the garage building.
- A 30-gallon drum of grease was present in the garage building.
- An unsealed drum containing a grease-like substance was located near an abandoned semi trailer in the northeastern area of the ***Site***.
- A 1,000-gallon propane AST was present in the northwest corner of the ***Site***.
- The concrete floor in the garage building was stained with petroleum products. The concrete floor was not pitted or cracked.
- Two areas of soil staining were noted on the ***Site***. The first area was present near the concrete pad in the north central portion of the ***Site***. The second area was present near the loading ramp in the east central portion of the ***Site***. The soil staining appeared to be surficial.
- Five cans of paint products were located in the garage building.
- Several containers of compressed gases (oxygen and acetylene) were present at various locations on the ***Site***. Mr. Juarez indicated these were used for welding of recycling containers.

Mr. Juarez indicated the above mentioned ASTs and drums were to be emptied and removed from the ***Site***.

No further indications of spills, leaks or storage of hazardous substances or petroleum products were noted on the ***Site*** at the time of our reconnaissance.

D.4. Storage Tanks

As discussed in Section D.3., five ASTs were noted during the ***Site*** reconnaissance. Mr. Juarez was not aware of any USTs at the ***Site***. The previous Phase I ESA indicated that several additional ASTs were located at various locations on the ***Site*** (Swanson Environmental, 1994a).

D.5. Potential Polychlorinated Biphenyl (PCB)-Containing Equipment

Four pole-mounted transformers were located adjacent to the northern and northeastern property boundaries. None of the transformers appeared to be leaking. The transformers were labeled Wisconsin Electric Power Company (WEPCO) #9300308, #530974, #8701152 and #9405862. Mr. Tim Krueger, Hazardous Waste Specialist, of WEPCO was contacted for information regarding the transformers. Mr. Krueger reported that transformer #530974 has a 2 percent

probability of containing PCBs based on WEPCO data on transformers of similar type and age. Mr. Krueger reported that the remaining transformers do not contain PCB's.

Fluorescent light fixtures were noted in the garage building at the ***Site***. The fluorescent light fixture ballasts were not inspected for dielectric fluids containing PCBs as part of this Phase I ESA. Ballasts operating these lights, unless specifically labeled "No PCBs", are suspected to contain PCBs. Suspect PCB containing light ballasts in buildings to be demolished should be removed and disposed of properly prior to demolition.

D.6. Indications of Solid Waste Disposal

Piles of fill materials, crushed glass, discarded electrical equipment and minor amounts of scrap metal and miscellaneous solid wastes were present at various locations on the ***Site***. Numerous garbage cans and dumpsters with recyclable materials and solid wastes were located on the ***Site***. Mr. Juarez reported that solid wastes including plastic and paper were transported to Orchard Ridge landfill in Menomonee Falls, Wisconsin. Metals caps, lids, etc. that come to the ***Site*** with the glass were segregated in a roll-off container and transported to Miller Compressing for recycling. Mr. Juarez was not aware of any incidence of dumping or landfilling at the ***Site***.

D.7. Utilities

Mr. Juarez indicated the ***Site*** has access to City of Milwaukee water and sewer utilities. Mr. Juarez also reported that Wisconsin Energy (formerly Wisconsin Electric Power Company and Wisconsin Gas) supplies electric and natural gas services for the ***Site***. Three disconnected natural gas unions were located in the northeastern portion of the ***Site***. Mr. Juarez indicated these unions were formerly used for operation of the 12-mesh system in the northeast area of the ***Site***. Mr. Juarez was not aware of any wells or septic systems at the ***Site***.

E. Findings and Conclusions

This Phase I ESA of the ***Site*** was completed in conformance with the scope and limitations of the ASTM Practice E 1527-94. Any exceptions to, or deletions from, this practice are described in Section F of this report. This assessment has revealed the following recognized environmental conditions in connection with the ***Site***:

- Solid waste including wood, metal cans and metal drums was used as fill material at the ***Site*** in the 1970s when it was occupied by Highway Pavers, Inc. Benzo (a) pyrene and arsenic concentrations greater than current NR 720 soil standards were detected in surficial soil samples collected in a Site Screening Inspection performed for the USEPA in 1989. The ***Site*** was listed as a No Further Remedial Action Planned (NFRAP) site by the USEPA.
- Surficial soil contamination was identified in a previous Phase I ESA near waste oil AST area near the garage building (Area 1). No further action was recommended after investigation in this area.
- Surficial soil contamination was also identified in a previous Phase I ESA near three removed ASTs in the center of the ***Site*** (Area 2). Soil excavation and off-site disposal appears to have been adequately remediated this area.

- A previous Phase I ESA noted surficial soil contamination in the area of the Kramer System in the west-central portion of the ***Site*** (Area 3). It is recommended that contaminated soils in this area be excavated and properly disposed of.

- Surficial soil contamination was also noted in a previous Phase I ESA near the 12-Mesh System in the east-central portion of the ***Site*** (Area 4). It is recommended that contaminated soils in this area be excavated and properly disposed of.

- Surficial soil contamination was also identified in a previous Phase I ESA at the Burn Pit area in the southeastern area of the ***Site***. Soil excavation and off-site disposal appears to have been adequately remediated this area.

- Soil staining was identified in two additional areas of the ***Site***. It is recommended that surficial contaminated soils in these areas be excavated and properly disposed of.

- It is recommended that all unused ASTs and all drums be emptied and removed from the ***Site*** in accordance with all applicable regulations.

F. Assessment Limitations

The findings and conclusions submitted in this report are based on the procedures described in the ASTM Practice E 1527-97. The scope of services for this project did not include the collection of soil samples or laboratory analysis of soil samples, the installation of groundwater

monitoring wells or laboratory analyses of groundwater samples. In addition, the scope of services for the Phase I ESA did not include an evaluation of the ***Site*** for the presence of radon, lead, asbestos containing building materials (ACBM), or urea formaldehyde.

In performing its services, Braun Intertec used that degree of care and skill ordinarily exercised under similar circumstances by reputable members of its profession practicing in the same locality. No warranty is made or intended.

G. Qualifications of Environmental Professionals

A Braun Intertec Statement of Qualifications for this Phase I ESA project will be provided to Strategic Materials, Inc. upon request.

H. References

Braun Intertec, 1997. Area 2 Soil Remediation at the Strategic Materials Site, 12305 West Silver Spring Drive, Milwaukee, Wisconsin.

Braun Intertec, 1998. Burn Pit Remediation at the Strategic Materials Site, 12305 West Silver Spring Road, Milwaukee, Wisconsin.

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Swanson Environmental, 1994a. Phase I and Phase II Environmental Site Investigation, 12305 West Silver Spring Road, Milwaukee, Wisconsin.

Swanson Environmental, 1994b. Initial Site Investigation Results and Workplan, 12305 West Silver Spring Road, Milwaukee, Wisconsin.

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