Air Sampling Form

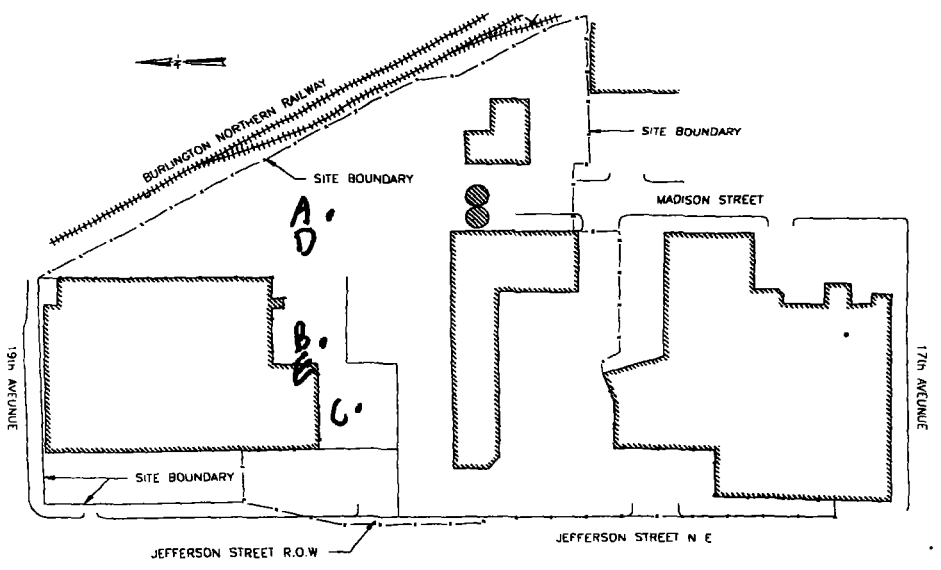
Western Mineral Products Industrial Site, Minneapolis MN

10/4/01

TDD # S5-0108-009
Location: North Area
Temp: (Start) _____ (End) _____
Air Sampling Technician: Ben Maradkel

Primary Calibration: Dry Cal
Secondary Calibration: Key Instruments
Method: AHERA TEM

Pump ID	Sample #	Start Time	Stop Time	Total Min.	Start Flow Rate (L/min)	Stop Flow Rate (L/min)	Corrected Flow Rate	Total Volume (liters)	Location Personnel
	AT-100401 EX-A	800	1200	240	12.00	12.00	15.52	3723.60	North of Work Area
	AT-100401 EX-B	810	1208	238	12.00	12.00	15.52	3692.57	West of Work Area
	AT-100401 EX-C	815	1210	235	12.00	12.00	15.52	3646.03	South west of Work Area
	AT-100401 EX-D	1500	1800	180	12.00	12.00	15.52	2792.70	North of Work Area
	AT-100401 EX-E	1510	1805	175	12.00	12.00	15.52	2715.13	West of Work Area



Air Sampling Form

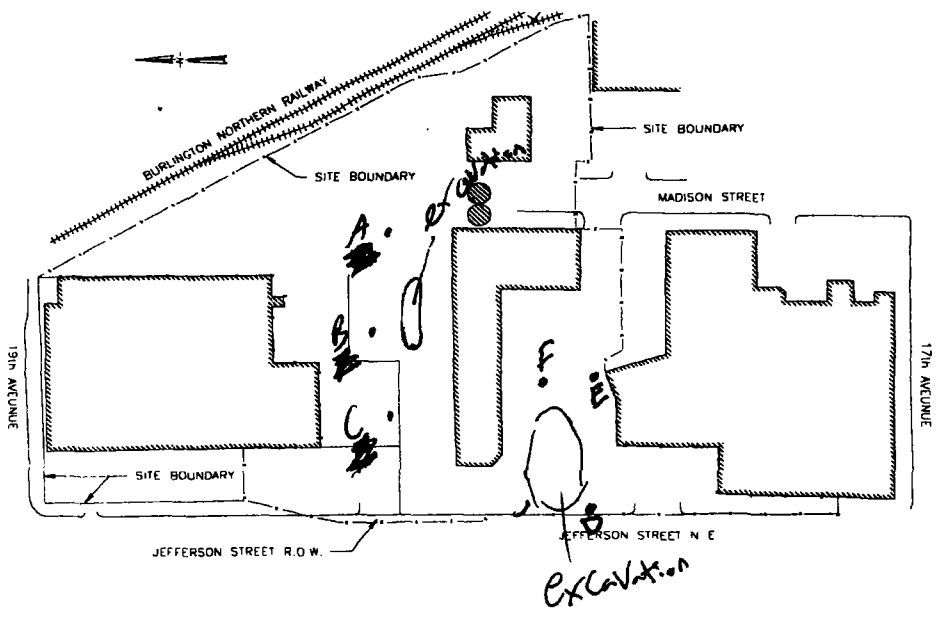
Western Mineral Products Industrial Site, Minneapolis MN

10/5/01

TDD # S5-0108-009
Location: North Area
Temp: (Start) _____ (End) _____
Air Sampling Technician: Ben Maradkel

Primary Calibration: Dry Cal
Secondary Calibration: Key Instruments
Method: AHERA TEM

Pump ID	Sample #	Start Time	Stop Time	Total Min	Start Flow Rate (L/min)	Stop Flow Rate (L/min)	Corrected Flow Rate	Total Volume (liters)	Location Sampled
	AT-100501 EX-A	750	1200	290	12.00	12.00	15.52	4499.35	North of Work Area
	AT-100501 EX-B	755	1205	290	12.00	12.00	15.52	4499.35	West of Work Area
	AT-100501 EX-C	800	1210	250	12.00	12.00	15.52	3878.75	South west of Work Area
	AT-100501 EX-D	1400	1605	125	12.00	12.00	15.52	1939.38	South property/Jefferson
	AT-100501 EX-E	1405	1610	125	12.00	12.00	15.52	1939.38	South property/Down wind
	AT-100501 EX-F	1410	1615	125	12.00	12.00	15.52	1939.38	South property/Down wind



Air Sampling Form

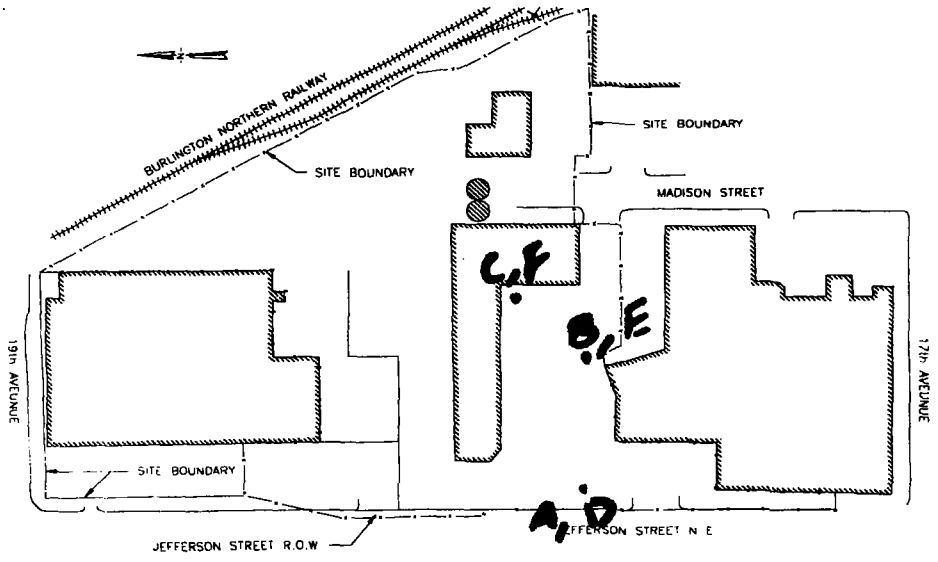
Western Mineral Products Industrial Site, Minneapolis MN

10/6/01

TDD # S5-0108-009
Location: South property/Jefferson
Temp: (Start) _____ (End) _____
Air Sampling Technician: Tony Rohs

Primary Calibration: Dry Cal
Secondary Calibration: Key Instruments
Method: AHERA TEM

Pump ID	Sample #	Start Time	Stop Time	Total Min.	Start Flow Rate (L/min)	Stop Flow Rate (L/min)	Corrected Flow Rate	Total Volume (liters)	Location/ Personnel
	AT-100601 South-EX-A	730	1125	235	12.00	12.00	15.52	3646.03	North of Work Area
	AT-100601 South-EX-B	735	1130	235	12.00	10.00	13.83	3249.82	West of Work Area
	AT-100601 South-EX-C	740	1135	235	12.00	10.00	13.83	3249.82	South west of Work Area
	AT-100601 South-EX-D	1125	1600	275	12.00	12.00	15.52	4266.63	South property/Jefferson
	AT-100601 South-EX-E	1130	1605	275	12.00	12.00	15.52	4266.63	South property/Down wind
	AT-100601 South-EX-F	1130	1610	280	12.00	12.00	15.52	4344.20	South property/Down wind



Air Sampling Form

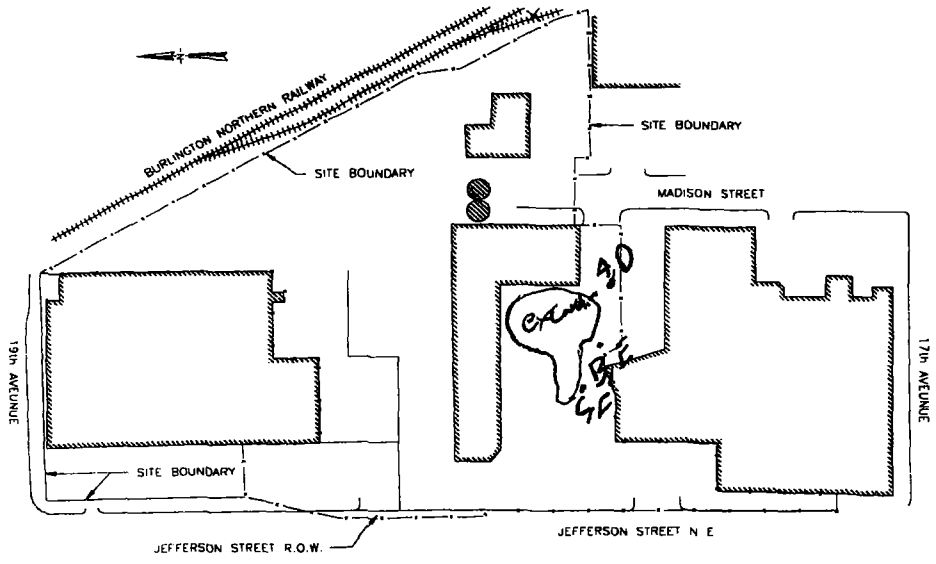
Western Mineral Products Industrial Site, Minneapolis MN

10/8/01

TDD # S5-0108-009
Location: South property/Jefferson
Temp: (Start) _____ (End) _____
Air Sampling Technician: Tony Rohs

Primary Calibration: Dry Cal
Secondary Calibration: Key Instruments
Method: AHERA TEM

Pump ID	Sample #	Start Time	Stop Time	Total Min.	Start Flow Rate (L/min)	Stop Flow Rate (L/min)	Corrected Flow Rate	Total Volume (liters)	Location Performed
	AT-100801 South-EX-A	720	1200	280	12.00	11.00	14.67	4108.16	South property/Jefferson
	AT-100801 South-EX-B	724	1205	281	12.00	10.00	13.83	3885.95	South property/Down wind
	AT-100801 South-EX-C	730	1210	280	12.00	11.00	14.67	4108.16	South property/Down wind
	AT-100801 South-EX-D	1300	1730	270	12.00	12.00	15.52	4189.05	South property/Jefferson
	AT-100801 South-EX-E	1305	1733	268	12.00	12.00	15.52	4158.02	South property/Down wind
	AT-100801 South-EX-F	1310	1736	266	12.00	12.00	15.52	4126.99	South property/Down wind



Air Sampling Form

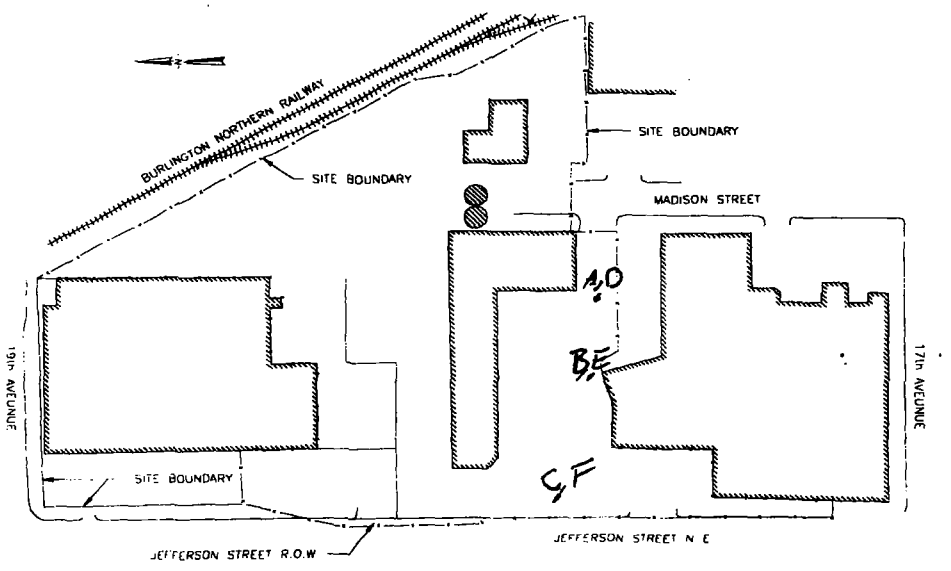
Western Mineral Products Industrial Site, Minneapolis MN

10/9/01

TDD # S5-0108-009
Location: South property/Jefferson
Temp: (Start) _____ (End) _____
Air Sampling Technician: Ben Maradkel

Primary Calibration: Dry Cal
Secondary Calibration: Key Instruments
Method: AHERA TEM

Pump ID	Sample #	Start Time	Stop Time	Total Min.	Start Flow Rate (L/min)	Stop Flow Rate (L/min)	Corrected Flow Rate	Total Volume (liters)	Location- Personnel
	AT-100901 South-EX-A	730	1300	330	10.00	10.00	12.14	4007.19	South property/Jefferson
	AT-100901 South-EX-B	735	1305	330	10.00	10.00	12.14	4007.19	South property/Down wind
	AT-100901 South-EX-C	740	1310	330	10.00	10.00	12.14	4007.19	South property/Down wind
	AT-100901 South-EX-D	1300	1800	300	10.00	10.00	12.14	3642.90	South property/Jefferson
	AT-100901 South-EX-E	1305	1805	300	10.00	10.00	12.14	3642.90	South property/Down wind
	AT-100901 South-EX-F	1310	1810	300	10.00	10.00	12.14	3642.90	South property/Down wind



Air Sampling Form

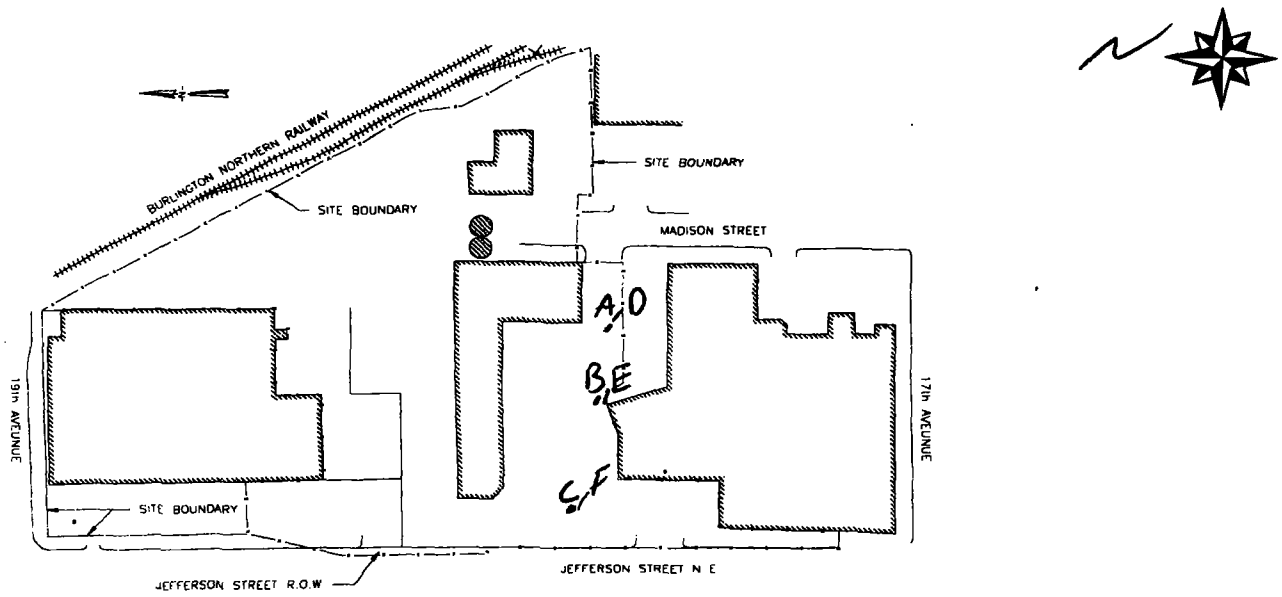
Western Mineral Products Industrial Site, Minneapolis MN

10/10/01

TDD # S5-0108-009
Location: South property/Jefferson
Temp: (Start) _____ (End) _____
Air Sampling Technician: Ben Maradkel

Primary Calibration: Dry Cal
Secondary Calibration: Key Instruments
Method: AHERA TEM

Pump ID	Sample #	Start Time	Stop Time	Total Min.	Start Flow Rate (L/min)	Stop Flow Rate (L/min)	Corrected Flow Rate	Total Volume (liters)	Location Description
	AT-101001 South-EX-A	740	1200	300	10.00	10.00	12.14	3642.90	South property/Madison
	AT-101001 South-EX-B	745	1205	300	10.00	10.00	12.14	3642.90	South property/Down wind
	AT-101001 South-EX-C	750	1210	300	10.00	10.00	12.14	3642.90	South property/Down wind
	AT-101001 South-EX-D	1230	1730	300	10.00	10.00	12.14	3642.90	South property/Madison
	AT-101001 South-EX-E	1235	1735	300	10.00	10.00	12.14	3642.90	South property/Down wind
	AT-101001 South-EX-F	1240	1740	300	10.00	10.00	12.14	3642.90	South property/Down wind



Air Sampling Form

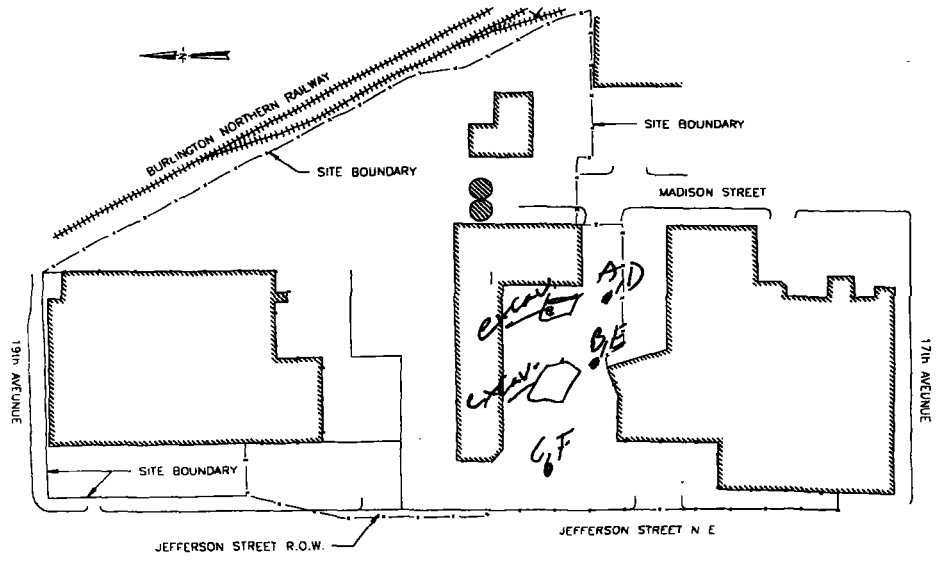
Western Mineral Products Industrial Site, Minneapolis MN

10/11/01

TDD # S5-0108-009
Location: South property/Jefferson
Temp: (Start) _____ (End) _____
Air Sampling Technician: Ben Maradkel

Primary Calibration: Dry Cal
Secondary Calibration: Key Instruments
Method: AHERA TEM

Pump ID	Sample #	Start Time	Stop Time	Total Min.	Start Flow Rate (L/min)	Stop Flow Rate (L/min)	Corrected Flow Rate	Total Volume (liters)	Location/ Personnel
	AT-101101 South-EX-A	730	1200	270	10.00	10.00	12.14	3278.61	South property/Madison
	AT-101101 South-EX-B	735	1205	270	10.00	10.00	12.14	3278.61	South property/Down wind
	AT-101101 South-EX-C	740	1210	270	10.00	10.00	12.14	3278.61	South property/Down wind
	AT-101101 South-EX-D	1230	1730	300	10.00	10.00	12.14	3642.90	South property/Madison
	AT-101101 South-EX-E	1235	1735	300	10.00	10.00	12.14	3642.90	South property/Down wind
	AT-101101 South-EX-F	1240	1740	300	10.00	10.00	12.14	3642.90	South property/Down wind



Air Sampling Form

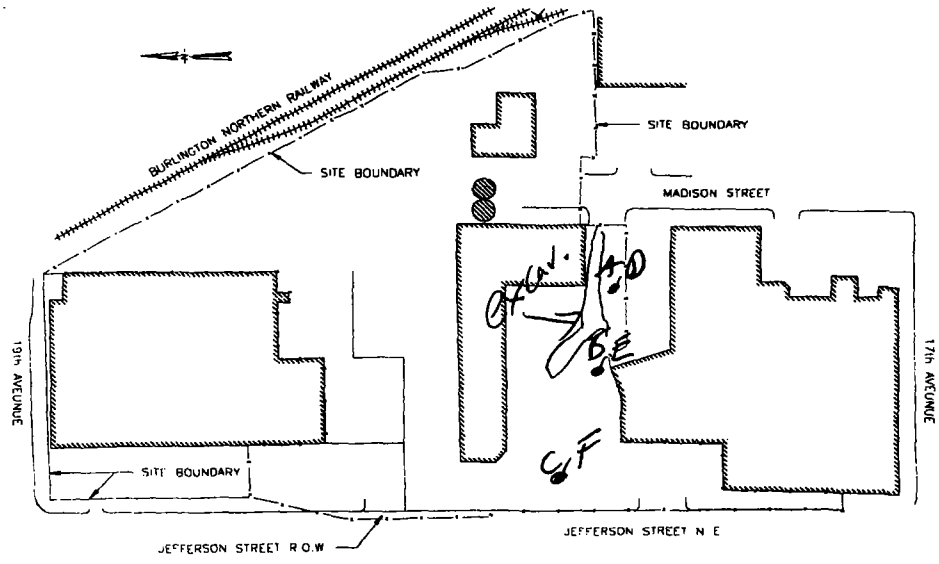
Western Mineral Products Industrial Site, Minneapolis MN

10/12/01

TDD # S5-0108-009
Location: South property/Jefferson
Temp: (Start) _____ (End) _____
Air Sampling Technician: Ben Maradkel

Primary Calibration: Dry Cal
Secondary Calibration: Key Instruments
Method: AHERA TEM

Pump ID	Sample #	Start Time	Stop Time	Total Min.	Start Flow Rate (L/min)	Stop Flow Rate (L/min)	Corrected Flow Rate	Total Volume (liters)	Location Performed
	AT-101201 South-EX-A	730	1145	255	10.00	10.00	12.14	3096.47	South property/Madison
	AT-101201 South-EX-B	735	1150	255	10.00	10.00	12.14	3096.47	South property/Down wind
	AT-101201 South-EX-C	740	1155	255	10.00	10.00	12.14	3096.47	South property/Down wind
	AT-101201 South-EX-D	1210	1730	320	10.00	10.00	12.14	3885.76	South property/Madison
	AT-101201 South-EX-E	1215	1735	320	10.00	10.00	12.14	3885.76	South property/Down wind
	AT-101201 South-EX-F	1220	1740	320	10.00	10.00	12.14	3885.76	South property/Down wind



Air Sampling Form

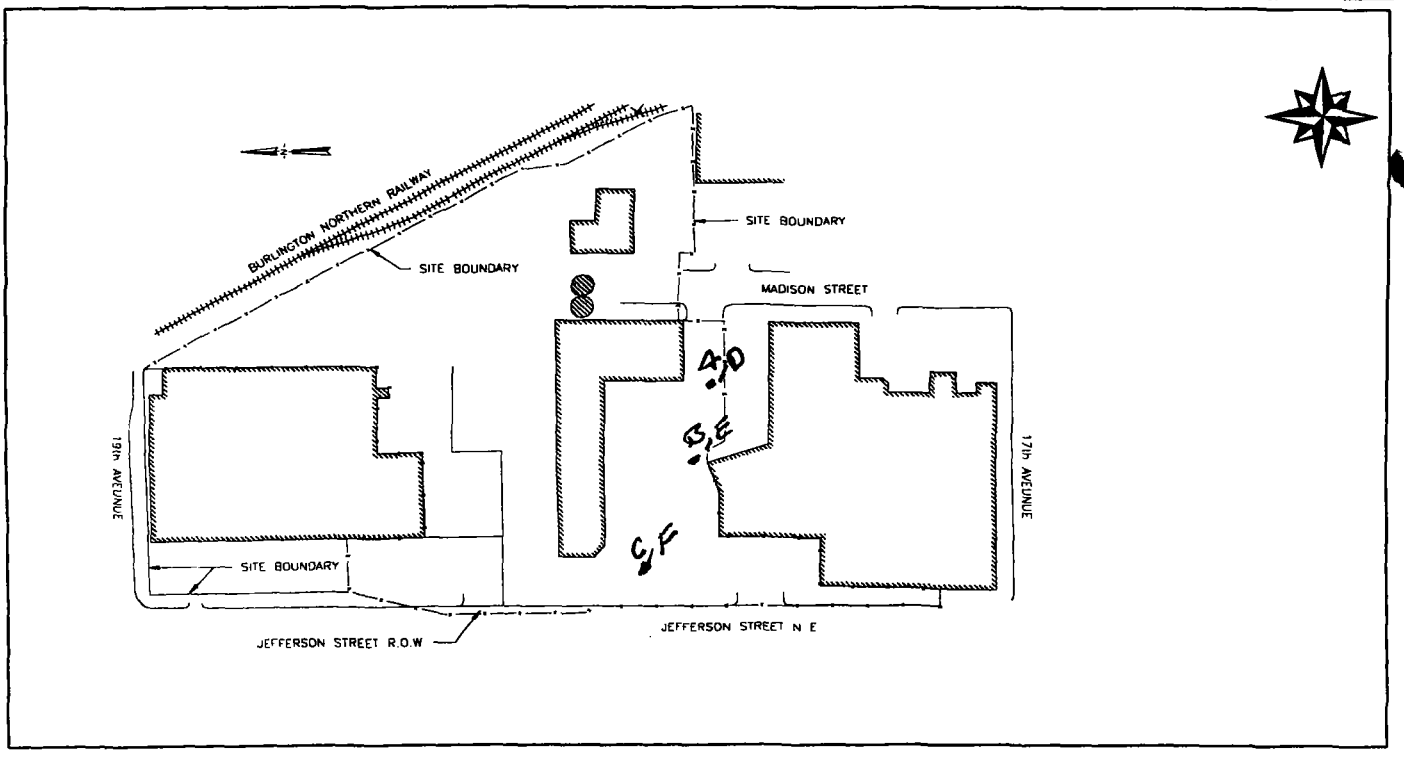
Western Mineral Products Industrial Site, Minneapolis MN

10/15/01

TDD # S5-0108-009
Location: South property/Jefferson
Temp: (Start) _____ (End) _____
Air Sampling Technician: Ben Maradkel

Primary Calibration: Dry Cal
Secondary Calibration: Key Instruments
Method: AHERA TEM

Pump ID	Sample #	Start Time	Stop Time	Total Min.	Start Flow Rate (L/min)	Stop Flow Rate (L/min)	Corrected Flow Rate	Total Volume (liters)	Location/ Personnel
	AT-101501 South-Truck-A	830	1300	270	8.00	8.00	8.77	2368.17	South property/Madison
	AT-101501 South-Truck-B	835	1305	270	8.00	8.00	8.77	2368.17	South property/Down wind
	AT-101501 South-Truck-C	840	1310	270	8.00	8.00	8.77	2368.17	South property/Down wind
	AT-101501 South-Truck-D	1330	1730	240	8.00	8.00	8.77	2105.04	South property/Madison
	AT-101501 South-Truck-E	1335	1735	240	8.00	8.00	8.77	2105.04	South property/Down wind
	AT-101501 South-Truck-F	1340	1740	240	8.00	8.00	8.77	2105.04	South property/Down wind



Air Sampling Form

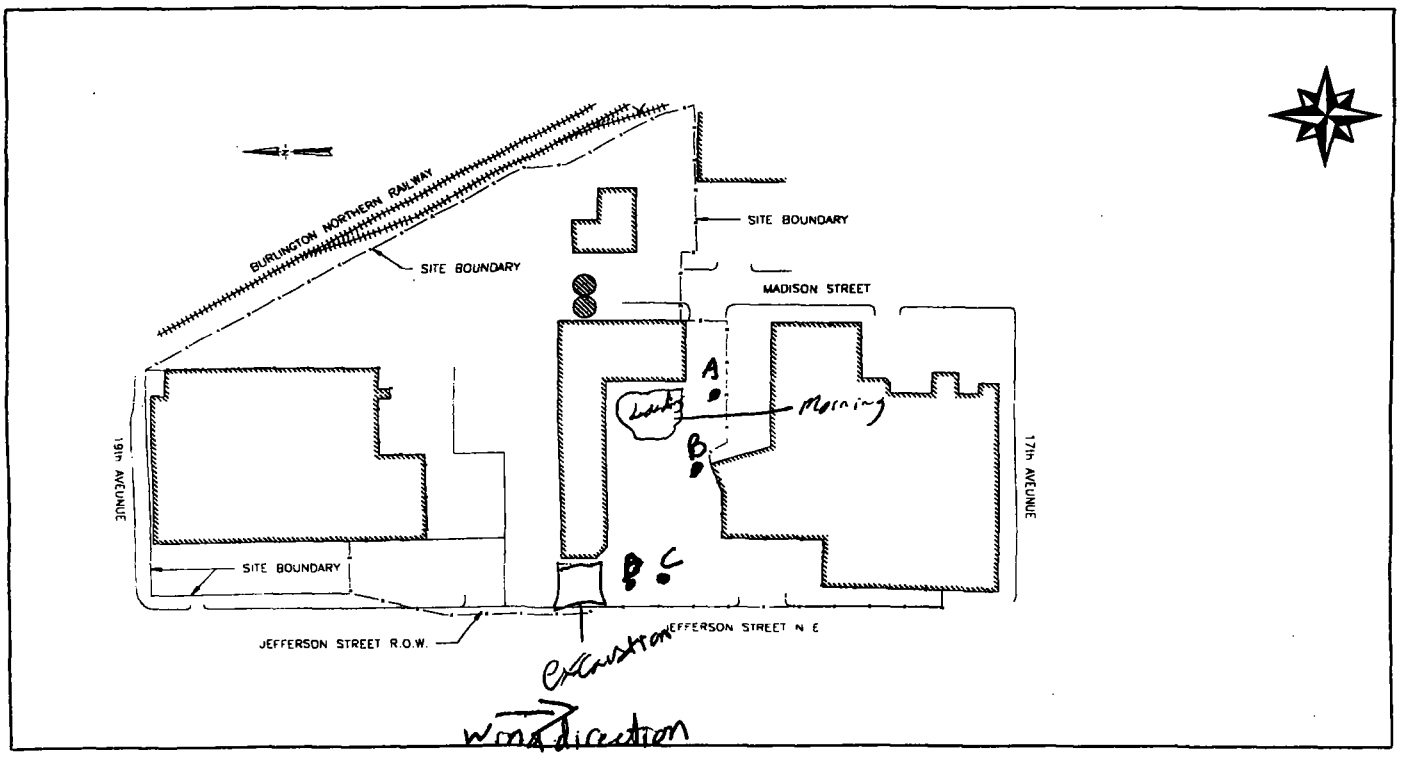
Western Mineral Products Industrial Site, Minneapolis MN

10/16/01

TDD # S5-0108-009
Location: South property/Jefferson
Temp: (Start) _____ (End) _____
Air Sampling Technician: Ben Maradkel

Primary Calibration: Dry Cal
Secondary Calibration: Key Instruments
Method: AHERA TEM

Pump ID	Sample #	Start Time	Stop Time	Total Min.	Start Flow Rate (L/min)	Stop Flow Rate (L/min)	Corrected Flow Rate	Total Volume (liters)	Location Performed
	AT-101601 South-Truck-A	730	1200	270	8.00	8.00	8.77	2368.17	South property/Madison
	AT-101601 South-Truck-B	735	1205	270	8.00	8.00	8.77	2368.17	South property/Down wind
	AT-101601 South-Truck-C	745	1210	265	8.00	8.00	8.77	2324.32	South property/Down wind
	AT-101601 South-~~Truck~~-D	1230	1600	210	8.00	8.00	8.77	1841.91	South property(dumpster)/Down wind



Air Sampling Form

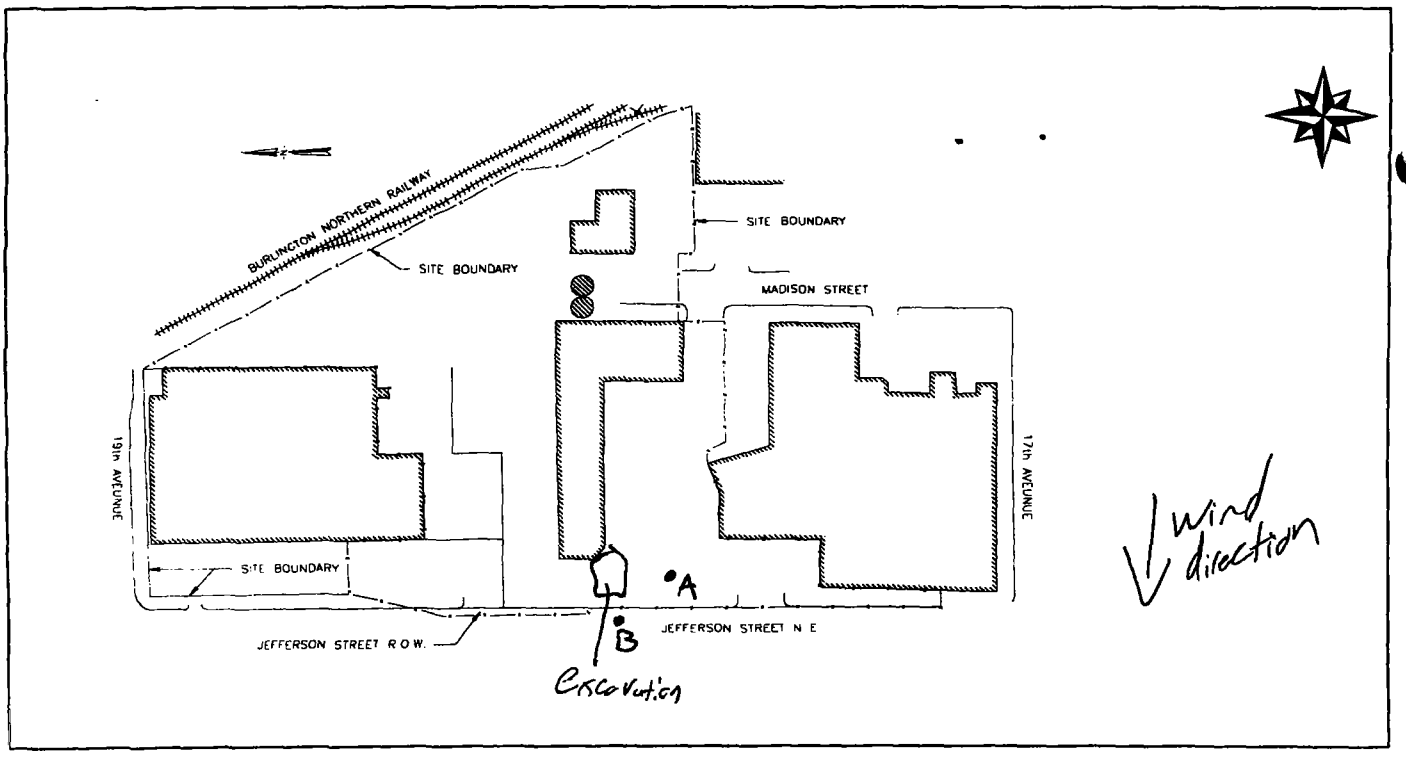
Western Mineral Products Industrial Site, Minneapolis MN

10/17/01

TDD # S5-0108-009
Location: South property/Jefferson
Temp: (Start) _____ (End) _____
Air Sampling Technician: Ben Maradkel

Primary Calibration: Dry Cal
Secondary Calibration: Key Instruments
Method: AHERA TEM

Pump ID	Sample #	Start Time	Stop Time	Total Min.	Start Flow Rate (L/min)	Stop Flow Rate (L/min)	Corrected Flow Rate	Total Volume (liters)	Location Performed
	AT-101701 South-~~Truck~~ EX-A	1230	1630	240	8.00	8.00	8.77	2105.04	South property/Jefferson side walk
	AT-101701 South-~~Truck~~ EX-B	1233	1635	242	8.00	8.00	8.77	2122.58	South property/Jefferson on Street



Air Sampling Form

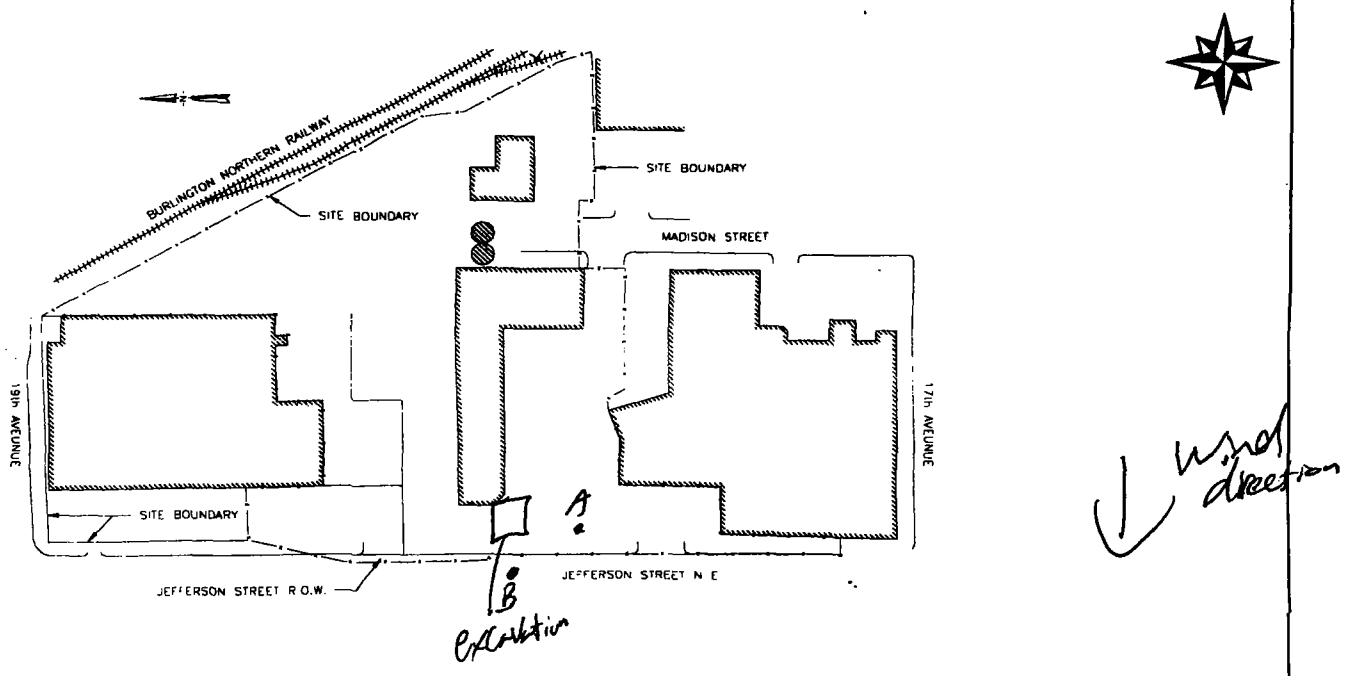
Western Mineral Products Industrial Site, Minneapolis MN

10/18/01

TDD # S5-0108-009
Location: South property/Jefferson
Temp: (Start) _____ (End) _____
Air Sampling Technician: Ben Maradkel

Primary Calibration: Dry Cal
Secondary Calibration: Key Instruments
Method: AHERA TEM

Pump ID	Sample #	Start Time	Stop Time	Total Min.	Start Flow Rate (L/min)	Stop Flow Rate (L/min)	Corrected Flow Rate	Total Volume (liters)	Location Performed
	AT-101801 South-EX-A	740	1130	230	8.00	8.00	8.77	·2017.33	South property/Jefferson side walk
	AT-101801 South-EX-B	745	1135	230	8.00	8.00	8.77	2017.33	South property/Jefferson on Street



Air Sampling Form

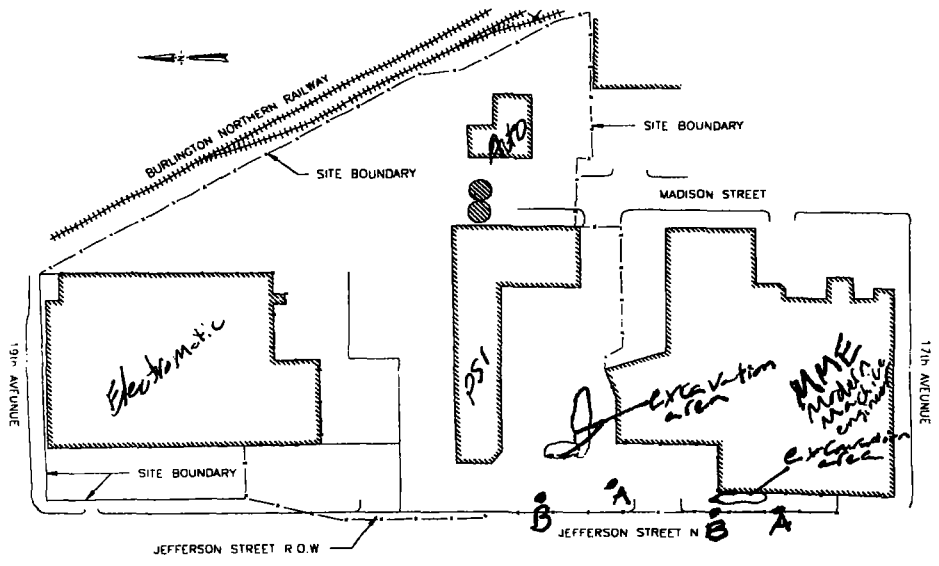
Western Mineral Products Industrial Site, Minneapolis MN

10/19/01

TDD # S5-0108-009
Location: South property/Jefferson
Temp: (Start) _____ (End) _____
Air Sampling Technician: Ben Maradkel

Primary Calibration: Dry Cal
Secondary Calibration: Key Instruments
Method: AHERA TEM

Pump ID	Sample #	Start Time	Stop Time	Total Min.	Start Flow Rate (L/min)	Stop Flow Rate (L/min)	Corrected Flow Rate	Total Volume (liters)	Location: Personnel
	AT-101901 South-EX-A	800	1300	300	10.00	10.00	12.14	3642.90	South property/Jefferson side walk
	AT-101901 South-EX-B	805	1305	300	10.00	10.00	12.14	3642.90	South property/Jefferson on side walk
	AT-101901 South-EX-C	1400	1820	260	10.00	10.00	12.14	3157.18	South property/Jefferson side walk
	AT-101901 South-EX-D	1405	1825	260	10.00	10.00	12.14	3157.18	South property/Jefferson on side walk



Air Sampling Form

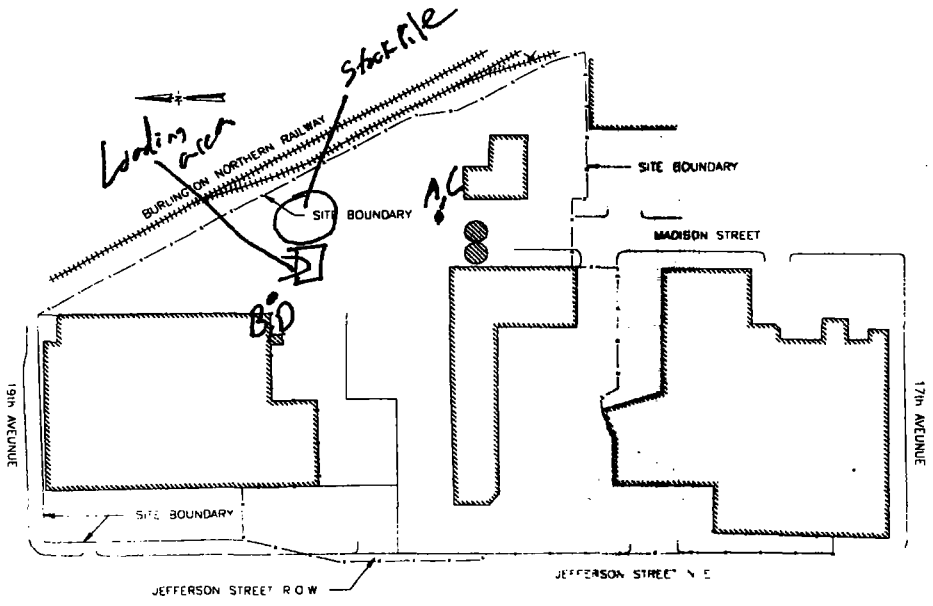
Western Mineral Products Industrial Site, Minneapolis MN

10/22/01

TDD # S5-0108-009
Location: Noth property
Temp: (Start) _____ (End) _____
Air Sampling Technician: Ben Maradkel

Primary Calibration: Dry Cal
Secondary Calibration: Key Instruments
Method: AHERA TEM

Pump ID	Sample #	Start Time	Stop Time	Total Min.	Start Flow Rate (L/min)	Stop Flow Rate (L/min)	Corrected Flow Rate	Total Volume (liters)	Location Performed
	AT-102201 North-EX-A	730	1240	310	10.00	10.00	12.14	3764.33	North property/Loading
	AT-102201 North-EX-B	735	1250	315	10.00	10.00	12.14	3825.05	North property/Loading
North	AT-101901 ~~South~~-EX-C	1400	1700	180	10.00	10.00	12.14	2185.74	North property/Loading
North	AT-101901 ~~South~~-EX-D	1405	1710	185	10.00	10.00	12.14	2246.46	North property/Loading



Air Sampling Form

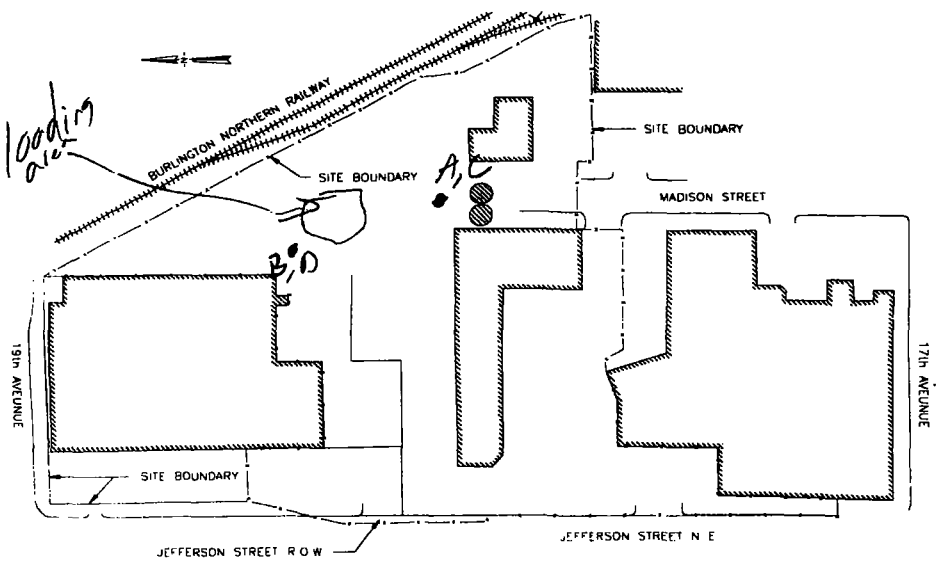
Western Mineral Products Industrial Site, Minneapolis MN

10/24/01

TDD # S5-0108-009
Location: Noth property
Temp: (Start) _____ (End) _____
Air Sampling Technician: Ben Maradkel

Primary Calibration: Dry Cal
Secondary Calibration: Key Instruments
Method: AHERA TEM

Pump ID	Sample #	Start Time	Stop Time	Total Min.	Start Flow Rate (L/min)	Stop Flow Rate (L/min)	Corrected Flow Rate	Total Volume (liters)	Location/ Personnel
	AT-102401 North-EX-A	730	1230	300	10.00	10.00	12.14	3642.90	North property/Loading
	AT-102401 North-EX-B	735	1235	300	10.00	10.00	12.14	3642.90	North property/Loading
	AT-102401 North-EX-C	1400	1800	240	10.00	10.00	12.14	2914.32	North property/Loading
	AT-102401 North-EX-D	1410	1800	230	10.00	10.00	12.14	2792.89	North property/Loading



Attachment D

Tables

This document was prepared by Weston Solutions, Inc., expressly for U.S. EPA. It shall not be released or disclosed in whole or in part without the express, written permission of U.S. EPA.

Table 1- Air Data Summary
Western Mineral Industrial Site

Parameters	Asbestos
unit	S/cc
EPA Action Level	>0.001
Sample Location	
AT-091801-Madison-A	<0.002
AT-091801-Madison-B	<0.002
AT-091801-Madison-C	<0.002
AT-091901-Madison-A	<0.002
AT-091901-Madison-B	<0.002
AT-091901-Madison-C	<0.002
AT-091901-Madison-D	<0.002
AT-091901-Madison-E	<0.002
AT-091901-Madison-F	<0.002
AT-092001-Madison-A	<0.002
AT-092001-Madison-B	<0.002
AT-092001-Madison-C	<0.002
AT-092101-NW-A	<0.002
AT-092101-NW-B	<0.002
AT-092101-NW-C	<0.002
AT-092101-NW-D	<0.002
AT-092101-NW-E	<0.002
AT-092101-NW-F	<0.002
AT-092401-North-A	<0.002
AT-092401-North-B	<0.002
AT-092401-North-C	<0.002
AT-092401-North-D	<0.002
AT-092401-North-E	<0.002
AT-092401-North-F	<0.002
AT-092501-Truck-A	<0.002
AT-092501-Truck-B	<0.002
AT-092501-Truck-C	<0.002
AT-092501-Truck-A	<0.002
AT-092501-Truck-B	<0.002
AT-092501-Truck-C	<0.002
AT-092601-Truck-A	<0.002
AT-092601-Truck-B	<0.002
AT-092601-Truck-C	<0.002
AT-092601-Truck-D	<0.002
AT-092601-Truck-E	<0.002
AT-092601-Truck-F	<0.002
AT-092701-Truck-A	<0.002
AT-092701-Truck-B	<0.002
AT-092701-Truck-C	<0.002
AT-092701-Truck-D	Missing Filter
AT-092701-Truck-E	<0.002
AT-092701-Truck-F	<0.002
AT-092801-Truck-A	<0.002
AT-092801-Truck-B	<0.002
AT-092801-Truck-C	**0.002**
AT-092801-Truck-D	**0.002**
AT-092801-Truck-E	<0.002
AT-092801-Truck-F	<0.002
AT-092901-EX-A	**0.002**
AT-092901-EX-B	<0.002
AT-092901-EX-C	<0.002

Parameters	Asbestos
unit	S/cc
EPA Action Level	>0.001
Sample Location	
AT-092901-EX-D	**0.002**
AT-092901-EX-E	<0.002
AT-092901-EX-F	<0.002
AT-100101-Truck-A	**0.01**
AT-100101-Truck-B	**0.004**
AT-100101-Truck-C	**0.014**
AT-100101-Truck-D	**0.05**
AT-100101-Truck-E	**0.005**
AT-100101-Truck-F	**0.051**
AT-100201-Truck-A	**0.009**
AT-100201-Truck-B	<0.002
AT-100201-Truck-C	**0.014**
AT-100201-Truck-D	**0.026**
AT-100201-Truck-E	**0.068**
AT-100201-Truck-F	**0.033**
AT-100301-Truck-A	**0.01**
AT-100301-Truck-B	**0.006**
AT-100301-Truck-C	**0.01**
AT-100301-EX-D	**0.002**
AT-100301-EX-E	**0.008**
AT-100301-EX-F	**0.008**
AT-100401-EX-A	**0.012**
AT-100401-EX-B	**0.012**
AT-100401-EX-C	**0.007**
AT-100401-EX-D	**0.016**
AT-100401-EX-E	**0.007**
AT-100501-EX-A	**0.03**
AT-100501-EX-B	**0.006**
AT-100501-EX-C	**0.009**
AT-100501-EX-D	<0.005
AT-100501-EX-E	<0.005
AT-100501-EX-F	**0.032**
AT-100601-South-EX-A	**0.002**
AT-100601-South-EX-B	<0.003
AT-100601-South-EX-C	**0.008**
AT-100601-South-EX-D	**0.002**
AT-100601-South-EX-E	**0.006**
AT-100601-South-EX-F	**0.023**
AT-100801-South-EX-A	<0.002
AT-100801-South-EX-B	**0.011**
AT-100801-South-EX-C	**0.007**
AT-100801-South-EX-D	<0.002
AT-100801-South-EX-E	<0.002
AT-100801-South-EX-F	<0.002
AT-100901-South-EX-A	**0.004**
AT-100901-South-EX-B	**0.02**
AT-100901-South-EX-C	overloaded
AT-100901-South-EX-D	**0.002**
AT-100901-South-EX-E	<0.002
AT-100901-South-EX-F	**0.002**
AT-101001-South-EX-A	<0.002

* All asbestos structures were classfied as richterite.
* (S/cc) Structures per cubic centimeter

DRAFT 10/29/02

Table 1- Air Data Summary
Western Mineral Industrial Site

AT-101001-South-EX-B	<0.002
AT-101001-South-EX-C	<0.002
AT-101001-South-EX-D	<0.002
AT-101001-South-EX-E	<0.002
AT-101001-South-EX-F	**0.007**
AT-101101-South-EX-A	<0.003
AT-101101-South-EX-B	<0.003
AT-101101-South-EX-C	**0.005**
AT-101101-South-EX-D	**0.002**
AT-101101-South-EX-E	**0.005**
AT-101101-South-EX-F	**0.005**
AT-101201-South-EX-A	**0.005**
AT-101201-South-EX-B	**0.005**
AT-101201-South-EX-C	**0.029**
AT-101201-South-EX-D	**0.009**
AT-101201-South-EX-E	**0.003**
AT-101201-South-EX-F	**0.005**
AT-101501-South-Truck-A	**0.002**
AT-101501-South-Truck-B	**0.005**
AT-101501-South-Truck-C	**0.008**
AT-101501-South-Truck-D	<0.004
AT-101501-South-Truck-E	**0.004**
AT-101501-South-Truck-F	<0.004
AT-101601-South-Truck-A	<0.004
AT-101601-South-Truck-B	<0.004
AT-101601-South-Truck-C	**0.019**
AT-101601-South-EX-D	**0.034**
AT-101701-South-EX-A	**0.004**
AT-101701-South-EX-B	<0.004
AT-101801-South-EX-A	**0.013**
AT-101801-South-EX-B	**0.004**
AT-101901-South-EX-A	**0.002**
AT-101901-South-EX-B	**0.005**
AT-101901-South-EX-C	**0.006**
AT-101901-South-EX-D	**0.014**
AT-102201-North-EX-A	<0.002
AT-102201-North-EX-B	**0.002**
AT-102201-North-EX-C	<0.004
AT-102201-North-EX-D	**0.004**
AT-102401-North-EX-A	<0.002
AT-102401-North-EX-B	**0.002**
AT-102401-North-EX-C	<0.003
AT-102401-North-EX-D	<0.003

* All asbestos structures were classfied as richterite.
** (S/cc) Structures per cubic centimeter

Table 2- Soil Data Summary
Western Mineral Industrial Site

Parameters	Asbestos
Unit	%
EPA Action Level	>1%
Sample Location	
SP-091801-Madison-A	ND
SP-091801-Madison-B	ND
SP-091901-Madison-A	ND
SP-092001-West-A	ND
SP-092001-East-A	ND
SP-092101-Madison-A	ND
SP-092601-North-A	<1
SP-092601-North-B	<1
SP-092801-Auto-A	ND
SP-092801-Auto-B	ND
SP-092801-Auto-C	ND
SP-092801-North-A	<1
SP-092801-North-B	ND
SP-092801-North-C	<1
SP-092801-North-D	<1
SP-092901-EX-A	<1
SP-092901-EX-B	<1
SP-092901-EX-C	ND
SP-092901-EX-D	ND
SP-100201-PE-A	<1
SP-100201-PE-B	<1
SP-100201-PE-C	<1
SP-100201-PE-D	ND
SP-100301-PE-A	ND
SP-100301-PE-B	ND
SP-100401-PE-A	ND
SP-100401-PE-B	<1
SP-100401-PE-C	<1
SP-100401-VA	<1
SP-100501-PE-A	<1
SP-100501-PE-B	ND
SP-100501-PE-C	ND
SP-100601-PE-C	ND
SP-100601-PE-D	ND
SP-100601-PE-A	ND
SP-100601-PE-B	ND
SP-100801-PE-A	<1
SP-100801-PE-B	ND
SP-100801-PE-C	ND
SP-100901-PE-A	ND
SP-100901-PE-B	ND
SP-101001-PE-A	<1
SP-101001-PE-B	<1
SP-101001-PE-C	<1
SP-101001-PE-D	<1
SP-101001-PE-E	<1

Parameters	Asbestos
Unit	%
EPA Action Level	>1%
Sample Location	
SP-101001-PE-F	<1
SP-101101-EOC-A	ND
SP-101101-EOC-B	ND
SP-101101-EOC-C	ND
SP-101101-EOC-D	ND
SP-101101-EOC-E	ND
SP-101101-EOC-F	ND
SP-101101-PE-G	ND
SP-101101-PE-H	ND
SP-101101-PE-I	<1
SP-101101-PE-J	<1
SP-101201-PE-A	ND
SP-101201-PE-B	ND
SP-101201-PE-C	ND
SP-101201-PE-D	ND
SP-101201-PE-E	<1
SP-101601-PE-A	<1
SP-101601-PE-B	ND
SP-101601-PE-C	<1
SP-101801-PE-A	<1
SP-101801-PE-B	<1
SP-101901-PE-A	ND
SP-101901-PE-B	ND
SP-101901-PE-C	ND
SP-101901-PE-D	**1-5% Richterite**
SP-101901-PE-E	**1-5% Richterite**
SP-101901-PE-F	**1-5% Richterite**
SP-101901-PE-G	**1-5% Richterite**
SP-102001-PE-A	**1-5% Richterite**

Table 3- DRAFT Soil Data Summary Comparison
Western Mineral Industrial Site

Initial Lab Results	
Parameter	Asbestos
Unit	%
EPA Action Level	>1%
Sample Location	
SP-091901-Madison-A	ND
SP-092801-Auto-A	ND
SP-092901-EX-A	<1
SP-100201-PE-C	<1
SP-100401-VA	<1
SP-100501-PE-C	ND
SP-100601-PE-B	ND
SP-100801-PE-A	<1
SP-101001-PE-A	<1
SP-101101-EOC-B	ND
SP-101101-EOC-C	ND
SP-101101-EOC-D	ND
SP-101101-EOC-E	ND

Reanalysis	
Parameter	Asbestos
Unit	%
EPA Action Level	>1%
Sample Location	
SP-091901-Madison-A	**1**
SP-092801-Auto-A	<1
SP-092901-EX-A	<1
SP-100201-PE-C	<1
SP-100401-VA	<1
SP-100501-PE-C	<1
SP-100601-PE-B	<1
SP-100801-PE-A	<1
SP-101001-PE-A	**5**
SP-101101-EOC-B	<1
SP-101101-EOC-C	**1**
SP-101101-EOC-D	<1
SP-101101-EOC-E	<1

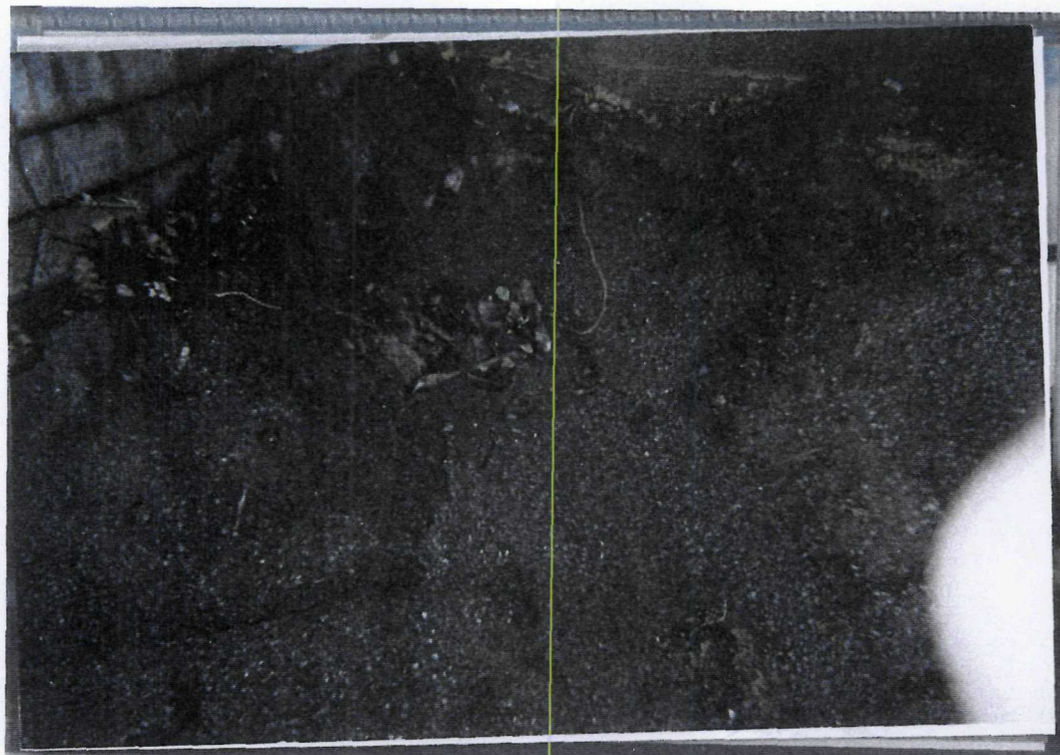
Attachment E

Photos

This document was prepared by Weston Solutions, Inc., expressly for U.S. EPA. It shall not be released or disclosed in whole or in part without the express, written permission of U.S. EPA.

Site: Western Mineral Industrial Site **Date:** 10/9/2001 **Time:** 0900 **Photo ID:** WMI-65
TDD: 0108-009 **Direction:** North **Photographer:** B. Maradkel
Subject: View of ERRS excavating behind silos on North side.

Site: Western Mineral Industrial Site **Date:** 10/9/2001 **Time:** 0902 **Photo ID:** WMI-66
TDD: 0108-009 **Direction:** North West **Photographer:** B. Maradkel
Subject: View of ERRS excavating behind Silos where Vermiculite/ Asbestos was extremely visible.

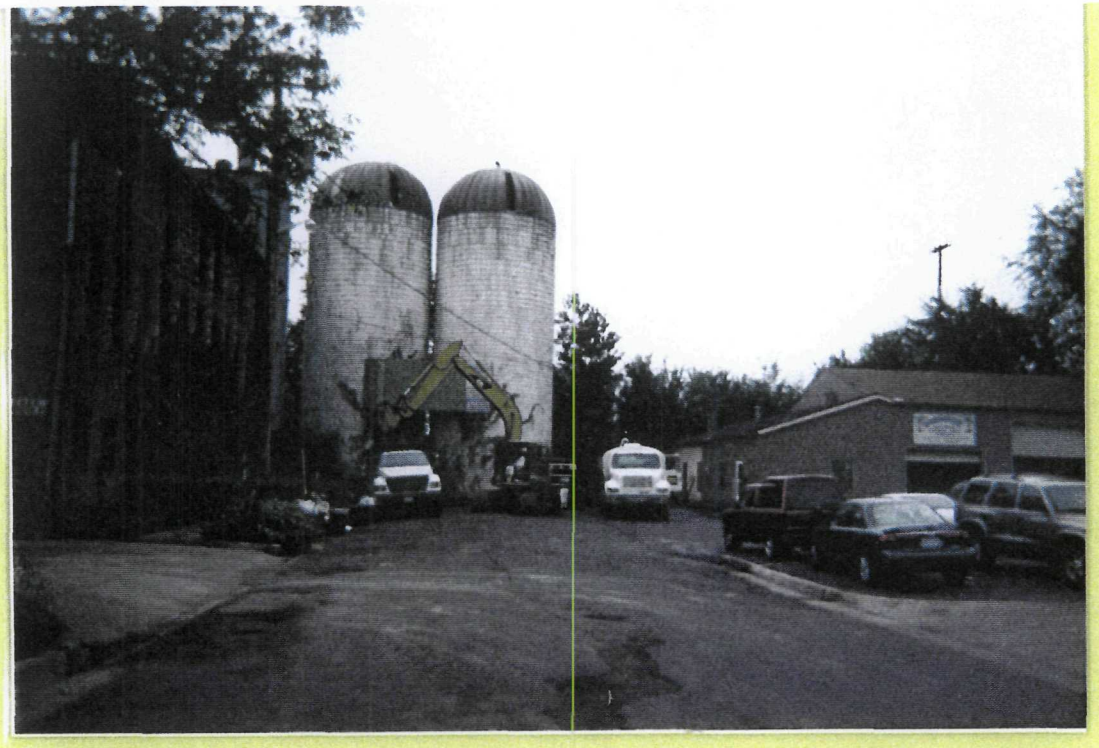


Site: Western Mineral Industrial Site **Date:** 10/9/2001 **Time:** 0903 **Photo ID:** WMI-67
TDD: 0108-009 **Direction:** West **Photographer:** B. Maradkel
Subject: View of Vermiculite/Asbestos waste product present at 12".

Site: Western Mineral Industrial Site **Date:** 10/9/2001 **Time:** 0908 **Photo ID:** WMI-68
TDD: 0108-009 **Direction:** West **Photographer:** B. Maradkel
Subject: View of excavation north of Silos. Waste product present.

Site: Western Mineral Industrial Site **Date:** 9/18/2001 **Time:** 1040 **Photo ID:** WMI-01
TDD: 0108-009 **Direction:** East **Photographer:** B. Maradkel
Subject: View of ERRS watering soil on north property.

Site: Western Mineral Industrial Site **Date:** 9/18/2001 **Time:** 1100 **Photo ID:** WMI-02
TDD: 0108-009 **Direction:** East **Photographer:** B. Maradkel
Subject: View of ERRS excavating on north property.



Site: Western Mineral Industrial Site **Date:** 9/18/2001 **Time:** 1530 **Photo ID:** WMI-03
TDD: 0108-009 **Direction:** North **Photographer:** B. Maradkel
Subject: View of ERRS excavating on south property.

Site: Western Mineral Industrial Site **Date:** 9/18/2001 **Time:** 1531 **Photo ID:** WMI-04
TDD: 0108-009 **Direction:** NE **Photographer:** B. Maradkel
Subject: View of sample AT-091801-Madison-A..

Site: Western Mineral Industrial Site **Date:** 9/18/2001 **Time:** 1533 **Photo ID:** WMI-05
TDD: 0108-009 **Direction:** NW **Photographer:** B. Maradkel
Subject: View of sample AT-091801-Madison-C.

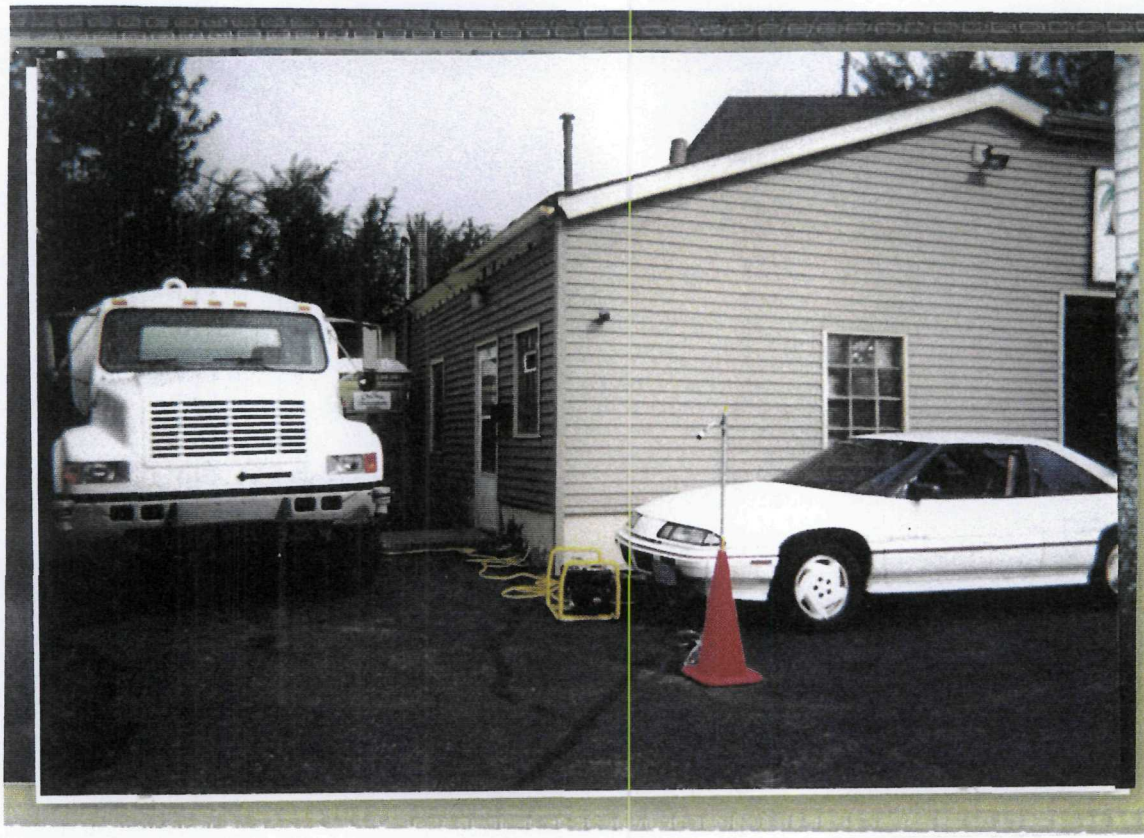
Site: Western Mineral Industrial Site **Date:** 9/18/2001 **Time:** 1535 **Photo ID:** WMI-06
TDD: 0108-009 **Direction:** NW **Photographer:** B. Maradkel
Subject: View of sample AT-091801-Madison-B.

Site: Western Mineral Industrial Site **Date:** 9/18/2001 **Time:** 1600 **Photo ID:** WMI-07
TDD: 0108-009 **Direction:** NW **Photographer:** B. Maradkel
Subject: View of ERRS excavating on Madison Street.

Site: Western Mineral Industrial Site **Date:** 9/18/2001 **Time:** 1840 **Photo ID:** WMI-08
TDD: 0108-009 **Direction:** NW **Photographer:** B. Maradkel
Subject: View of ERRS collecting soil sample on Madison Street.

Site: Western Mineral Industrial Site **Date:** 9/19/2001 **Time:** 1130 **Photo ID:** WMI-09
TDD: 0108-009 **Direction:** NE **Photographer:** B. Maradkel
Subject: View of ERRS backfilling south of silos/Madison Street.

Site: Western Mineral Industrial Site **Date:** 9/19/2001 **Time:** 1135 **Photo ID:** WMI-10
TDD: 0108-009 **Direction:** NE **Photographer:** B. Maradkel
Subject: View of sample AT-091901-Madison-A.



Site: Western Mineral Industrial Site **Date:** 9/19/2001 **Time:** 1138 **Photo ID:** WMI-11
TDD: 0108-009 **Direction:** NE **Photographer:** B. Maradkel
Subject: View of sample AT-091901-Madison-B.

Site: Western Mineral Industrial Site **Date:** 9/19/2001 **Time:** 1435 **Photo ID:** WMI-12
TDD: 0108-009 **Direction:** North **Photographer:** B. Maradkel
Subject: View of visable vermiculite and asbestos fibers at 6" on Madison side.

Site: Western Mineral Industrial Site **Date:** 9/19/2001 **Time:** 1440 **Photo ID:** WMI-13
TDD: 0108-009 **Direction:** North **Photographer:** B. Maradkel
Subject: View of ERRS excavating on Madison side.

Site: Western Mineral Industrial Site **Date:** 9/19/2001 **Time:** 1500 **Photo ID:** WMI-14
TDD: 0108-009 **Direction:** NW **Photographer:** B. Maradkel
Subject: View of ERRS backfilling Madison side.

Western Mineral Industrial Site **Date:** 9/20/2001 **Time:** 1226 **Photo ID:** WMI-16
0108-009 **Direction:** South **Photographer:** B. Maradkel
View of sample AT-092001-Madison-B.

Western Mineral Industrial Site **Date:** 9/20/2001 **Time:** 1225 **Photo ID:** WMI-15
0108-009 **Direction:** NW **Photographer:** B. Maradkel
View of Madison side backfilled.

Site: Western Mineral Industrial Site **Date:** 9/20/2001 **Time:** 1228 **Photo ID:** WMI-17
TDD: 0108-009 **Direction:** SW **Photographer:** B. Maradkel
Subject: View of ERRS excavating using a bobcat.

Site: Western Mineral Industrial Site **Date:** 9/20/2001 **Time:** 1240 **Photo ID:** WMI-18
TDD: 0108-009 **Direction:** SW **Photographer:** B. Maradkel
Subject: View of ERRS using loader to move stockpile/ north property.

Western Mineral Industrial Site **Date:** 9/20/2001 **Time:** 1245 **Photo ID:** WMI-19
0108-009 **Direction:** NW **Photographer:** B. Maradkel
View of ERRS using excavater and loader to move stockpile.

Western Mineral Industrial Site **Date:** 9/20/2001 **Time:** 1730 **Photo ID:** WMI-20
0108-009 **Direction:** East **Photographer:** B. Maradkel
View of ERRS excavating northwest property.

Site: Western Mineral Industrial Site **Date:** 9/21/2001 **Time:** 0955 **Photo ID:** WMI-21
TDD: 0108-009 **Direction:** SW **Photographer:** B. Maradkel
Subject: View of truck dumping class 5 gravel for drive way.

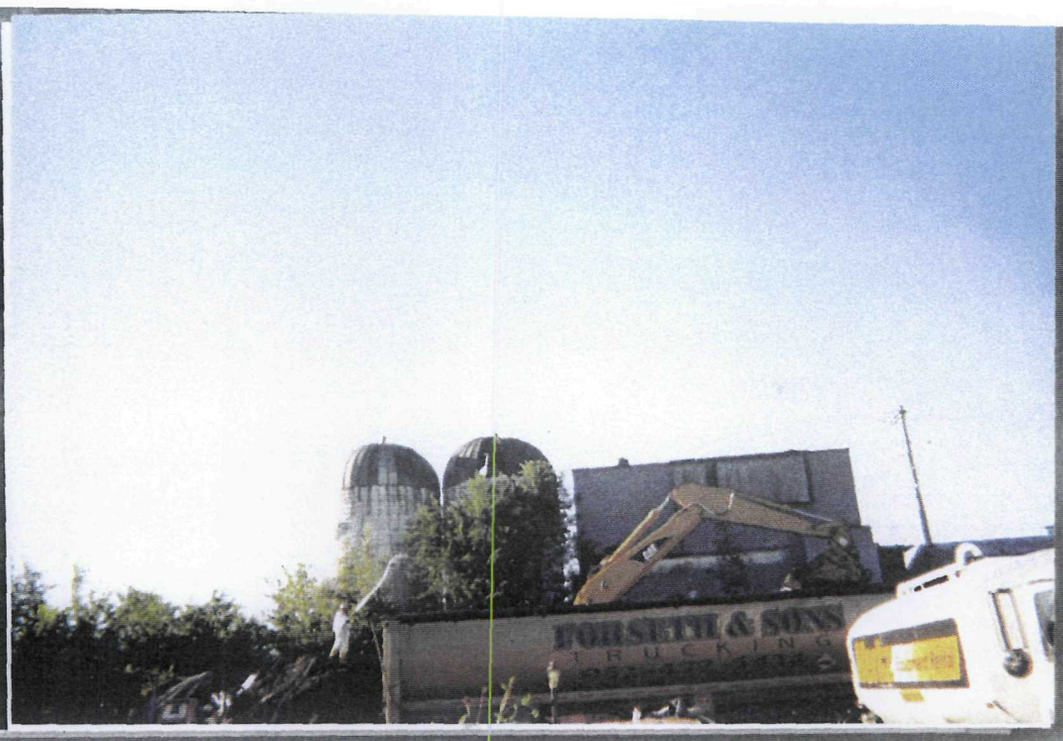
Site: Western Mineral Industrial Site **Date:** 9/21/2001 **Time:** 0956 **Photo ID:** WMI-22
TDD: 0108-009 **Direction:** South **Photographer:** B. Maradkel
Subject: View of truck dumping class 5 gravel for drive way.

Western Mineral Industrial Site **Date:** 9/21/2001 **Time:** 1100 **Photo ID:** WMI-23
0108-009 **Direction:** West **Photographer:** B. Maradkel
View of sample AT-092001-NW-A..

Western Mineral Industrial Site **Date:** 9/21/2001 **Time:** 1105 **Photo ID:** WMI-24
0108-009 **Direction:** East **Photographer:** B. Maradkel
: View of sample AT-092001-NW-B.

Site: Western Mineral Industrial Site **Date:** 9/24/2001 **Time:** 0840 **Photo ID:** WMI-25
TDD: 0108-009 **Direction:** East **Photographer:** B. Maradkel
Subject: View of ERRS Wetting Stock Pile

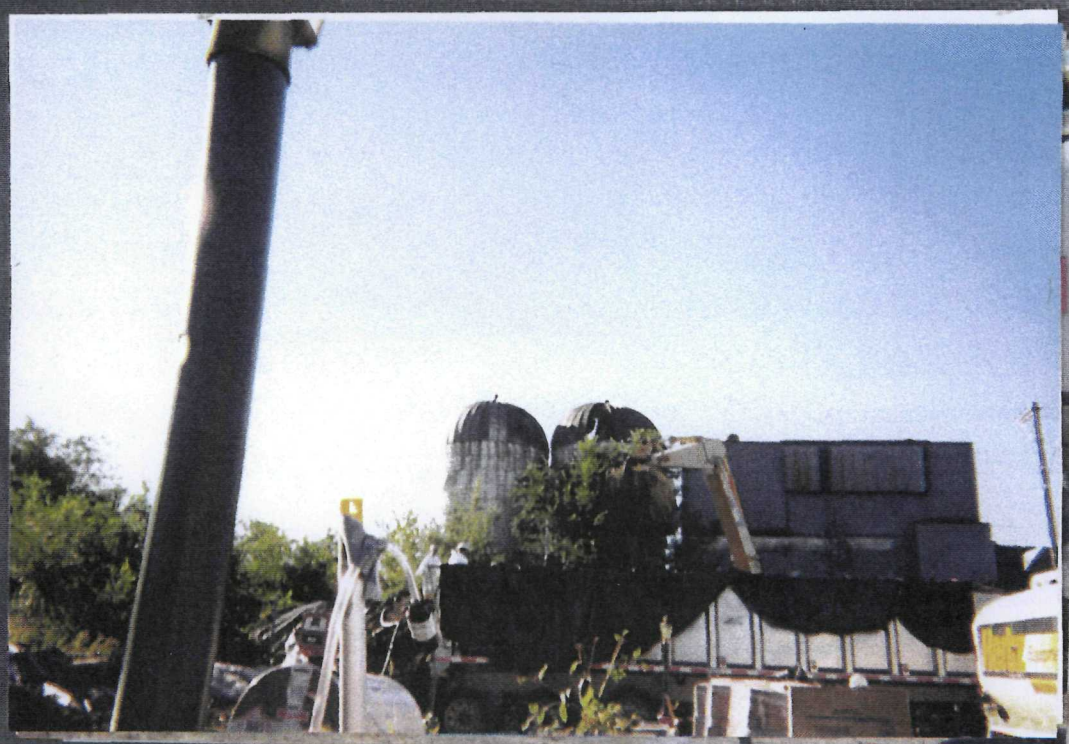
Site: Western Mineral Industrial Site **Date:** 9/24/2001 **Time:** 0845 **Photo ID:** WMI-26
TDD: 0108-009 **Direction:** East **Photographer:** B. Maradkel
Subject: View of ERRS loading truck



Site: Western Mineral Industrial Site **Date:** 9/24/2001 **Time:** 0905 **Photo ID:** WMI-27
TDD: 0108-009 **Direction:** South **Photographer:** B. Maradkel
Subject: View of ERRS wetting stock pile and loading truck

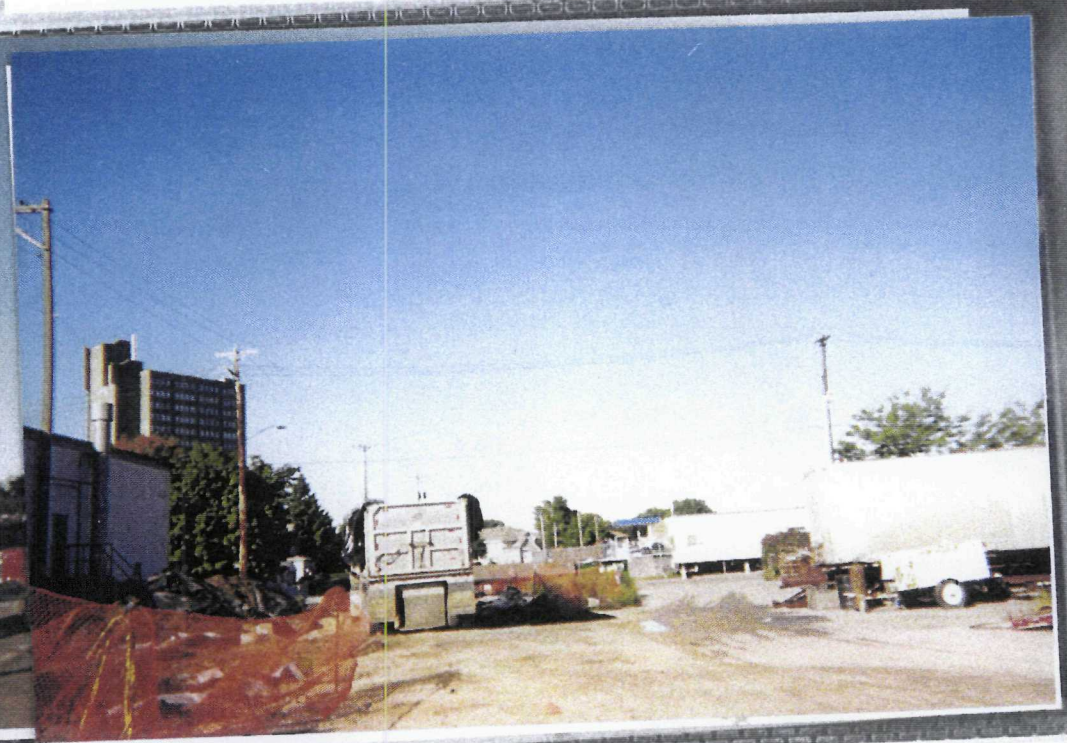
Site: Western Mineral Industrial Site **Date:** 9/24/2001 **Time:** 0925 **Photo ID:** WMI-28
TDD: 0108-009 **Direction:** East **Photographer:** B. Maradkel
Subject: View of Sample AT-092401-NW-C

Site: Western Mineral Industrial Site **Date:** 9/24/2001 **Time:** 0930 **Photo ID:** WMI-29
TDD: 0108-009 **Direction:** East **Photographer:** B. Maradkel
Subject: View of Sample AT-092401-NW-B



Site: Western Mineral Industrial Site **Date:** 9/24/2001 **Time:** 0932 **Photo ID:** WMI-30
TDD: 0108-009 **Direction:** South **Photographer:** B. Maradkel
Subject: View of sample AT-092401-NW-A

Sit **Site:** Western Mineral Industrial Site **Date:** 9/24/2001 **Time:** 0940 **Photo ID:** WMI-31
TD **TDD:** 0108-009 **Direction:** South **Photographer:** B. Maradkel
Su **Subject:** View of ERRS working North of Silos



Si **Site:** Western Mineral Industrial Site **Date:** 9/24/2001 **Time:** 0945 **Photo ID:** WMI-32
TI **TDD:** 0108-009 **Direction:** West **Photographer:** B. Maradkel
Su **Subject:** View of truck backing into loading area

Site: Western Mineral Industrial Site **Date:** 9/24/2001 **Time:** 1455 **Photo ID:** WMI-33
TDD: 0108-009 **Direction:** South East **Photographer:** B. Maradkel
Subject: View of Loading truck

Site: Western Mineral Industrial Site **Date:** 9/26/2001 **Time:** 1436 **Photo ID:** WMI-34
TDD: 0108-009 **Direction:** South **Photographer:** B. Maradkel
Subject: View of ERRS excavating North of Silos