



Jeffrey S. Binkley  
Project Manager

March 4, 2022

Mr. Brian Kelly  
On-Scene Coordinator  
U.S. Environmental Protection Agency  
Region 5, Superfund and Emergency Management Division  
2565 Plymouth Road  
Ann Arbor, Michigan 48105

**Subject: Removal Report, Revision 0**  
**Gay Stamp Sands – RV**  
**Gay, Keweenaw County, Michigan**  
**EPA Contract No.: 68-HE-0519-D0005**  
**Task Order-Task Order Line Item No.: F0069-0002AI031**  
**Document Tracking No.: 0174**

Dear Mr. Kelly:

Tetra Tech, Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) is submitting this Removal Report, Revision 0, for the Gay Stamp Sands – RV site located in Gay, Keweenaw County, Michigan, for your review and comment. This report summarizes the removal action conducted at the Site from June 8 to June 30, 2021.

Please contact me at (906) 281-3404 if you have any questions or comments regarding this report.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Jeffrey S. Binkley'.

Jeffrey S. Binkley  
Project Manager

Enclosure

cc: TOLIN file  
Chris Burns, Tetra Tech Program Manager

**REMOVAL REPORT  
GAY STAMP SANDS – RV  
GAY, KEWEENAW COUNTY, MICHIGAN**

**Revision 0**

*Prepared for*

**U.S. Environmental Protection Agency**  
Region 5, Superfund and Emergency Management Division  
2565 Plymouth Road  
Ann Arbor, Michigan 48105

*Submitted by*

**Tetra Tech, Inc.**  
1 South Wacker Drive, 37<sup>th</sup> Floor  
Chicago Illinois, 60606

EPA Contract No.: 68-HE-0519-D0005  
Task Order-Task Order Line Item No.: F0069-0002AI031  
Document Tracking No.: 0174

March 4, 2022

Prepared by



Jeffrey S. Binkley  
Project Manager

Approved by



Kristine Schnoes  
START QC Reviewer

## CONTENTS

<u>Section</u>	<u>Page</u>
1.0 INTRODUCTION.....	1
2.0 SITE BACKGROUND.....	2
2.1 SITE LOCATION AND DESCRIPTION.....	2
2.2 SITE HISTORY.....	2
3.0 REMOVAL ACTION ACTIVITIES.....	3
3.1 SITE PLANS.....	3
3.2 SITE PREPARATION.....	4
3.3 OVERSIGHT AND DOCUMENTATION.....	4
3.4 ABESTOS REMOVAL.....	4
3.5 SOIL AND DEBRIS REMOVAL.....	5
3.6 TRANSPORT AND DISPOSAL.....	6
3.7 SITE RESTORATION AND DEMOBILIZATION.....	6
4.0 CONCLUSIONS.....	8
5.0 REFERENCES.....	9

### APPENDICES

- A. FIGURES
- B. PHOTOGRAPHIC DOCUMENTATION LOG
- C. START LOGBOOK AND FIELD NOTES
- D. WASTE PROFILE AND MANIFESTS

## 1.0 INTRODUCTION

The U.S. Environmental Protection Agency (EPA) tasked Tetra Tech, Inc. (Tetra Tech) to provide support during a time-critical removal action at the Gay Stamp Sands Site (the Site) on Gay Lac La Belle Road near the connection with 2<sup>nd</sup> Street in Gay, Keweenaw County, Michigan. This work was assigned under Superfund Technical Assessment and Response Team (START) Contract 68-HE-0519-D0005, Task Order-Task Order Line Item Number (TO-TOLIN) F0069-0002AI031.

As a part of the removal action, Tetra Tech START conducted the following activities:

- Developed and implemented site-specific plans, including the Air Monitoring and Sampling Plan (AMSP) (Tetra Tech 2020), Site-Specific Data Management Plan (DMP) (Tetra Tech 2021a), and Emergency Contingency Plan (ECP) (Tetra Tech 2021b);
- Reviewed the Health and Safety Plan (HASP) and Work Plan;
- Marked known and suspected asbestos containing materials (ACM) for removal;
- Delineated lead and arsenic contaminated soil and debris using an hand-held X-Ray Fluorescence (XRF) analyzer;
- Provided technical and administrative support to the EPA On-Scene Coordinator (OSC); and
- Performed oversight of the removal activities conducted by the Emergency and Rapid Response Services (ERRS) contractor, Environmental Quality Management, Inc. (EQM).

The purpose of the removal action was to mitigate imminent and substantial threats to public health, welfare, and the environment posed by hazardous materials at the Site. This removal action report documents the removal activities that took place at the Site from June 8 to June 30, 2021. This report discusses the Site background in Section 2.0, removal action activities in Section 3.0, and conclusions summarizing the removal action in Section 4.0. References cited in the document are listed in Section 5.0.

Figures are included in Appendix A. A photographic log of the removal action activities is provided in Appendix B. The START field notes are provided in Appendix C. Waste manifests and associated waste profile are provided in Appendix D.

## 2.0 SITE BACKGROUND

This section includes the Site location, Site description, and provides an overview of the project.

### 2.1 SITE LOCATION AND DESCRIPTION

The Site is located on Gay Lac La Belle Road near the connection with 2<sup>nd</sup> Street in Gay, Keweenaw County, Michigan. The Site is in a rural area with the Village of Gay to the West and Lake Superior to the East. The ruins of a stamp mill, debris piles, and a 265 foot smoke stack are located on the Site, and stamp sands extend along approximately five miles of the Lake Superior shoreline from the former stamp mill (Appendix A, Figures 1 and 2).

Access to the Site is generally unrestricted and the Site is frequented by trespassers including students, tourists, hikers, and people using all-terrain vehicles.

### 2.2 SITE HISTORY

The Site is the former location of the Mohawk and Wolverine Mining Company stamp mill, which operated from 1900 until it was partially demolished in 1933. Among the ruins of the former stamp mill were debris piles containing ACM, arsenic, and lead. Previous investigations include the EPA Torch Lake Area Assessment (Weston 2007) and an EPA removal assessment conducted by Sustainment and Restoration Service LLC (SRS 2019). These investigations identified up to 48.94 percent (%) chrysotile asbestos in samples of suspect ACM at the Site. In-situ screening and laboratory testing of surficial soils in debris piles at the Site identified lead concentrations up to 1,125 milligrams/kilogram (mg/kg) and arsenic concentrations up to 670 mg/kg.

### 3.0 REMOVAL ACTION ACTIVITIES

On-Site removal action activities took place from June 8 to June 30, 2021. In support of the time-critical removal action at the Site, Tetra Tech completed the following activities as tasked by EPA:

- Developed and implemented site-specific plans, including the AMSP (Tetra Tech 2020), Site-Specific DMP (Tetra Tech 2021a), and ECP (Tetra Tech 2021b);
- Reviewed the ERRS contractor's site-specific HASP and Work Plan;
- Supported the ERRS contractor in personal air sampling as-needed;
- Identified known and suspected ACM for removal;
- Delineated lead and arsenic contaminated soil and debris by use of a hand-held XRF analyzer to identify areas for removal;
- Provided technical and administrative support to the EPA OSC;
- Oversaw work conducted by the ERRS contractor; and
- Collected written, digital, and photographic documentation of Site conditions and activities.

In support of the time-critical removal action at the Site, the ERRS contractor completed the following activities as tasked by EPA:

- Provided site-specific HASP and Work Plan;
- Removed known and suspected ACM;
- Excavated lead and arsenic contaminated soil and debris;
- Arranged for off-site transportation and disposal of wastes; and
- Restored the Site following the completion of excavation.

This section discusses plans prepared for the Site, Site preparation activities, oversight and documentation, identification and removal of ACM, delineation and removal of lead and arsenic contaminated soil and debris, transport and disposal, and backfill and restoration.

### 3.1 SITE PLANS

Prior to the start of the removal action, ERRS and START developed site plans to be implemented during the removal action. ERRS created a Work Plan and site-specific HASP to include work planned under the removal action. The Work Plan detailed the planned removal activities to be conducted by ERRS during this removal action. The HASP was reviewed by the EPA OSC and Tetra Tech START. The HASP detailed

the hazards for each task to be performed, including the Site-related contaminants of concern and health and safety protocols. The HASP also described proper personal protective equipment (PPE) to be used on a task-by-task basis, as well as emergency procedures related to the work.

START prepared an AMSP (Tetra Tech 2020), Site-Specific DMP (Tetra Tech 2021a), and ECP (Tetra Tech 2021b). The AMSP summarized the sampling to be completed in association with removal activities at the Site. Air monitoring and sampling were originally planned in the AMSP; however under the direction of the EPA OSC ambient air monitoring and sampling were not conducted by START. The Site-Specific DMP identified the data collection activities to be conducted and associated quality assurance/quality control (QA/QC) measures specific to the removal action at the Site. The ECP summarized the emergency protocols to be used during the removal action activities.

### **3.2 SITE PREPARATION**

During the initial phase of the removal action, ERRS conducted general Site setup activities, including equipment maintenance and preparation, field office trailer setup, Site security upgrades including signage and additional fencing across access routes, and preparation of roll-off bins and a staging area for stockpiling of soil and debris in the central-eastern portion of the Site. Refer to Figure 2 in Appendix A for a depiction of the staging and work areas.

### **3.3 OVERSIGHT AND DOCUMENTATION**

START conducted written, digital, and photographic documentation of removal activities through the duration of the removal action. START personnel recorded daily weather conditions, ERRS contractor activities, START delineation activities, and waste disposal events in the field logbook. START also maintained digital records of photographic documentation. Digital data collection and management were conducted in accordance with the Site-Specific DMP (Tetra Tech 2021a). Representative Site photographs are presented in Appendix B. START field notes are provided in Appendix C. Copies of waste manifests and the associated waste profile are included in Appendix D.

### **3.4 ABESTOS REMOVAL**

On June 8, 2021, START began locating previously sampled ACM piles using a handheld Global Positioning System (GPS) and identifying suspected ACM in the work area, which were marked using pin flags to guide ERRS removal activities. On June 11, 2021, ERRS began removing large ACM piles and underlying soil within the ACM removal area, depicted on Figure 2, using a mini-excavator and tracked dump trucks. Large ACM piles were located in the southern portion of the stamp mill ruins referred to as

the Gun Range/Campfire Area, at the southern corner of the Upper Tier of Stamp Mill Ruins, on the hillside at the southern end of the stamp mill ruins, and piles scattered throughout the Lower Tier of Stamp Mill Ruins. ERRS conducted a sweep of the entire ACM removal area to locate and remove scattered pieces of suspect ACM using hand tools and manual pick up. Manual pick up of scattered ACM was expanded outside of the stamp mill ruins due to the identification of suspect ACM scattered across the larger area. Water was used to prevent generation of dust. The ACM material was loaded directly into lined roll-off bins, or stockpiled in the staging area until additional roll-off bins could be delivered. The stockpile was wetted with water and covered in plastic to prevent dust generation while work was not occurring. As ERRS completed ACM removal in sections of the Site, START inspected the areas and marked any additional suspect ACM for removal using pin flags. The expanded ACM removal area is depicted on Figure 2 in Appendix A. ACM removal was completed on June 24, 2021.

START assisted ERRS with daily set up and calibration of personal air monitoring pumps used by ERRS to monitor for worker exposure to asbestos during ACM removal activities. Set up of personal air monitoring included charging of personal air monitoring pumps, recording start and end times of monitoring, and calculation of sample volumes. START also assisted with filling out chain of custody (COC) documentation and preparing samples for shipment to an ERRS procured laboratory for analysis. ERRS was responsible for submittal and evaluation of the analytical data.

### **3.5 SOIL AND DEBRIS REMOVAL**

On June 16, 2021, START located areas using a handheld GPS where unacceptable concentrations of lead and arsenic had been detected in soil and debris, and began delineating outward from those areas for removal using a hand-held XRF within the stamp mill ruins area. The lead and arsenic delineation area is depicted on Figure 2 in Appendix A. As requested by the OSC, GPS coordinates were not recorded for the XRF delineations. Soil and debris which exceeded EPA Residential Removal Management Levels (RMLs) for lead (400 mg/kg) and arsenic (68 mg/kg) and EPA Industrial RMLs for lead (800 mg/kg) and arsenic (300 mg/kg) were marked with pin flags during delineation, and the OSC determined removal would be conducted based on EPA Industrial RML exceedances only. ERRS initiated removal of lead and arsenic impacted soil and debris exceeding EPA Industrial RMLs on June 18, 2021, using hand tools and a mini excavator as needed. START rescreened the soil and debris using the XRF as the delineated areas were scraped to remove impacted soil and debris. If the remaining soil and debris screened above the EPA Industrial RMLs, ERRS continued scraping until the remaining soil and debris screened below criteria. Areas of impacted soil and debris removal included the Middle Tier of Stamp Mill Ruins, the Lower Tier of Stamp Mill Ruins, the Stack Area, and the southern portion of the ruins referred to as the Gun



Range/Campfire Area. At the direction of the OSC, the removed soil and debris was added to the ACM stockpile in the staging area until it could be loaded into roll-off bins and transported off-site as a single waste stream due to the comingled nature of the materials at the Site and limited quantity of metals impacted soil and debris removed. Wetting of the stockpile was used to prevent generation of dust, and the stockpile was covered with plastic while work was not occurring. Removal of impacted soil and debris was completed on June 21, 2021.

START assisted ERRS with daily set up and calibration of personal air monitoring pumps used by ERRS to monitor for worker exposure to lead and arsenic during ACM removal activities. Set up of personal air monitoring included charging of personal air monitoring pumps, recording start and end times of monitoring, and calculation of sample volumes. START also assisted with filling out chain of custody (COC) documentation and preparing samples for shipment to an ERRS procured laboratory for analysis. ERRS was responsible for submittal and evaluation of the analytical data.

### 3.6 TRANSPORT AND DISPOSAL

As ACM and impacted soil and debris were removed, the materials were placed in a stockpile and loaded into roll-off bins for transportation and disposal at Waste Management’s K&W Landfill in Ontonagon, Michigan as Friable Asbestos Soil/Debris as this represented the major contaminant present in the disposed material. A total of 141.58 tons of ACM soil and debris was removed from the Site in 9 roll-off bins. Disposal information, including daily quantity, disposal facility, and transportation dates, are provided in the table below. Copies of the waste profile and waste manifests are included in Appendix D.

**Waste Disposal Summary**

Waste Stream	Quantity	Disposal Facility	Transportation Date(s)
Friable Asbestos Soil/Debris	12.48 tons	K&W Landfill	June 14, 2021
Friable Asbestos Soil/Debris	12.48 tons	K&W Landfill	June 15, 2021
Friable Asbestos Soil/Debris	16.67 tons	K&W Landfill	June 17, 2021
Friable Asbestos Soil/Debris	31.18 tons	K&W Landfill	June 22, 2021
Friable Asbestos Soil/Debris	14.12 tons	K&W Landfill	June 23, 2021
Friable Asbestos Soil/Debris	18.08 tons	K&W Landfill	June 24, 2021
Friable Asbestos Soil/Debris	17.10 tons	K&W Landfill	June 25, 2021
Friable Asbestos Soil/Debris	19.47 tons	K&W Landfill	June 29, 2021

### 3.7 SITE RESTORATION AND DEMOBILIZATION

Following the completion of removal activities, ERRS used topsoil to backfill areas to original grade where larger ACM piles had been removed. The topsoil was spread and raked using hand tools and seeded to establish vegetation. Areas where surficial debris was scraped were re-graded using a skid-steer. At the completion of removal activities, Site security fencing and signage, work trailers, and equipment were

removed from the Site. START demobilized from the Site on June 28, 2021 and ERRS completed demobilization on June 30, 2021.

## 4.0 CONCLUSIONS

In total, 141.58 tons of friable asbestos, lead, and arsenic contaminated soil and debris were removed from the Site and transported to a disposal facility between June 8 and June 30, 2021. The immediate risk to public health and the environment from direct contact or exposure to potentially uncontrolled hazardous wastes and asbestos has been abated at the Site through the identification, collection, and proper disposal of wastes.

## 5.0 REFERENCES

- Sustainment and Restoration Service LLC (SRS). 2019. Removal Assessment Report, Gay Stamp Sands Site – RS, Gay, Keweenaw County, Michigan. August 8.
- Tetra Tech. 2019. Superfund Technical Assessment and Response Team (START V), Revision 1, EPA Region 5, Contract No. 68HE0519D0005, Quality Assurance Project Plan (QAPP). August.
- Tetra Tech. 2020. Air Monitoring and Sampling Plan, Gay Stamp Sands – RV, Gay, Keweenaw County, Michigan Revision 0. February 20.
- Tetra Tech. 2021a. USEPA Region 5 Site-Specific Data Management Plan, Gay Stamp Sands – RV, Gay, Keweenaw County, Michigan. May 21.
- Tetra Tech. 2021b. Emergency Contingency Plan, Gay Stamp Sands – RV Site, Village Of Gay, Keweenaw County, Michigan. June 13.
- U.S. Environmental Protection Agency (EPA). 2008. Framework for Investigating Asbestos-Contaminated Superfund Sites. Office of Solid Waste and Emergency Response (OSWER) Directive #9200.0-68.
- Weston Solutions, Inc. (Weston). 2007. Torch Lake Area Assessment, Torch Lake National Priorities List Site and Surrounding Areas, Keweenaw Peninsula, Michigan.

**APPENDIX A**

**FIGURES**

Figure 1 – Site Location Map

Figure 2 – Site Layout



File Path: W:\Projects\Projects P-TT\130123\ENGAPP\GIS\mxd\Removal\_Report\Fig01\_Site\_Location\_Map\_v20220202.mxd



Base Map Source: ESRI USA Topo Maps map service  
 EPA Contract No.: 68-HE-0519-D0005  
 TO/TOLIN: F0069-0002AI031

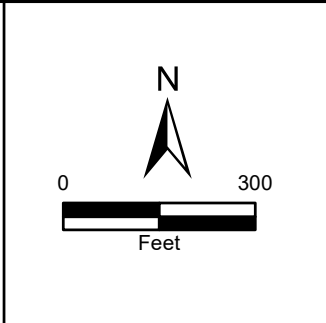
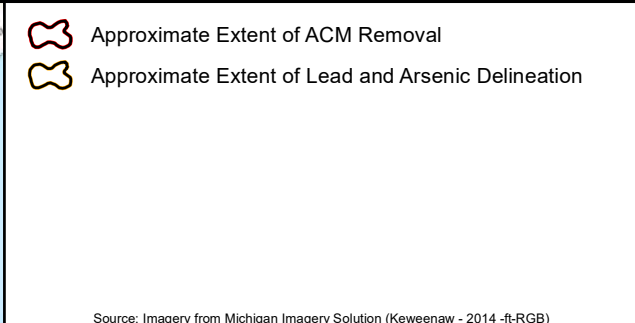
Gay Stamp Sands - RV  
 Gay, Keweenaw County, Michigan

**Figure 1**  
**Site Location Map**



**TETRA TECH**

Prepared For: EPA



Gay Stamp Sands - RV  
Gay, Keweenaw County, Michigan

**Figure 2**  
**SITE LAYOUT**

Prepared For: EPA

Prepared By: MSG - AEM

**APPENDIX B**  
**PHOTOGRAPHIC DOCUMENTATION LOG**





## Photographic Documentation

**Client:** EPA  
**Site Name:** Gay Stamp Sands - RV  
**Location:** Gay, Keweenaw County, Michigan

**Prepared by:** Danielle Pilarski  
**TO-TOLIN:** F0069-0002A1031  
**Dates:** 6/8 – 6/28/2021

### Photograph No. 1

**Date:** 6/8/2021

**Description:**

View looking northwest of a pile of asbestos containing material (ACM) identified for removal in the southern portion of the stamp mill ruins, referred to as the gun range/campfire area.



### Photograph No. 2

**Date:** 6/8/2021

**Description:**

View looking northwest across the stamp mill ruins prior to initiating removal activities.





## Photographic Documentation

**Client:** EPA  
**Site Name:** Gay Stamp Sands - RV  
**Location:** Gay, Keweenaw County, Michigan

**Prepared by:** Danielle Pilarski  
**TO-TOLIN:** F0069-0002A1031  
**Dates:** 6/8 – 6/28/2021

### Photograph No. 3

**Date:** 6/8/2021

**Description:**

View looking north of a pile of ACM which has been marked with pin flags for removal, located at the southern corner of the upper tier of the stamp mill ruins.



### Photograph No. 4

**Date:** 6/12/2021

**Description:**

View looking northwest of the southern portion of the stamp mill ruins, referred to as the gun range/campfire area, following removal of the ACM pile shown in Photograph No. 1.





## Photographic Documentation

**Client:** EPA  
**Site Name:** Gay Stamp Sands - RV  
**Location:** Gay, Keweenaw County, Michigan

**Prepared by:** Danielle Pilarski  
**TO-TOLIN:** F0069-0002A1031  
**Dates:** 6/8 – 6/28/2021

### Photograph No. 5

**Date:** 6/12/2021

**Description:**

View looking west of removal of piles and scattered pieces of ACM in the ACM removal area south of the stamp mill ruins.



### Photograph No. 6

**Date:** 6/15/2021

**Description:**

View looking north of ACM removal in the lower tier of the stamp mill ruins.





## Photographic Documentation

**Client:** EPA  
**Site Name:** Gay Stamp Sands - RV  
**Location:** Gay, Keweenaw County, Michigan

**Prepared by:** Danielle Pilarski  
**TO-TOLIN:** F0069-0002A1031  
**Dates:** 6/8 – 6/28/2021

### Photograph No. 7

**Date:** 6/16/2021

**Description:**

View looking north of removal of the ACM pile located in the southern corner of the upper tier of the stamp mill ruins (shown in Photograph No. 3).



### Photograph No. 8

**Date:** 6/18/2021

**Description:**

View looking northeast of removal of lead and arsenic contaminated soil and debris on the middle tier of the stamp mill ruins.





## Photographic Documentation

**Client:** EPA  
**Site Name:** Gay Stamp Sands - RV  
**Location:** Gay, Keweenaw County, Michigan

**Prepared by:** Danielle Pilarski  
**TO-TOLIN:** F0069-0002A1031  
**Dates:** 6/8 – 6/28/2021

### Photograph No. 9

**Date:** 6/19/2021

**Description:**

View looking north of removal of lead and arsenic contaminated soil and debris in the lower tier of the stamp mill ruins.



### Photograph No. 10

**Date:** 6/28/2021

**Description:**

View looking north of the southern corner of the upper tier of the stamp mill ruins following removal of ACM shown in Photograph No. 3, backfilling and seeding.





## Photographic Documentation

**Client:** EPA  
**Site Name:** Gay Stamp Sands - RV  
**Location:** Gay, Keweenaw County, Michigan

**Prepared by:** Danielle Pilarski  
**TO-TOLIN:** F0069-0002A1031  
**Dates:** 6/8 – 6/28/2021

### Photograph No. 11

**Date:** 6/28/2021

**Description:**

View looking southwest at the middle tier of the stamp mill ruins following removal of ACM and lead and arsenic contaminated soil and debris.



### Photograph No. 12

**Date:** 6/28/2021

**Description:**

View looking southwest across the lower tier of the stamp mill ruins following removal of ACM, and lead and arsenic contaminated soil and debris.



**APPENDIX C**  
**START LOGBOOK AND FIELD NOTES**





6/8/21 START

07:20 MSG - JSB + DEP onsite with EQM  
 Weather is 66°F, partly cloudy, no rain.  
 EQM crew is Bill + ~~7~~ crew. JSB  
 led all on a site orientation + safety  
 walk. MSG located previously  
 sampled Asbestos + other visible  
 ACM piles throughout site.

11:00 Brian Kelly from EPA onsite.  
 EQM preparing equipment + receiving  
 equipment deliveries. MSG setup  
 + tested XRF against standard sample.

12:30 EQM break for lunch

13:00 EQM resumes setup.

13:30 JSB offsite

14:30 Amy from EGLF onsite

15:55 2 EQM crew offsite for day to  
 obtain supplies.

16:15 EQM plans to finish setup +  
 begin work tomorrow. MSG offsite.

Dep

6/9/21

07:00 MSG START onsite w/ EQM  
 + EPA. Weather is 59°F  
 clear sky, wind 5 mph SW. EQM  
 has bill + 7 crew. Bill led a  
 health + safety meeting discussing  
 covid safety, site safety, hospital  
 route. The plan for this morning  
 is to work on site security +  
 safety. EQM will set up security  
 fencing, signage, + post fire extinguishers  
 + hospital routes in all vehicles.  
 EPA would like START to  
 drive hospital routes weekly  
 to ensure clear of construction.

07:35 EPA offsite

07:40 START offsite to drive hospital route

08:05 START reached hospital via  
 main route in HASP. Road is clear of  
 construction + map estimate of 24 mins  
 is accurate.

08:45 START reached site via alternate  
 route in HASP. There was a "utility  
 work ahead" + "shoulder closed" sign  
 located in Alluez, but no sign of  
 work/construction, or disruption to

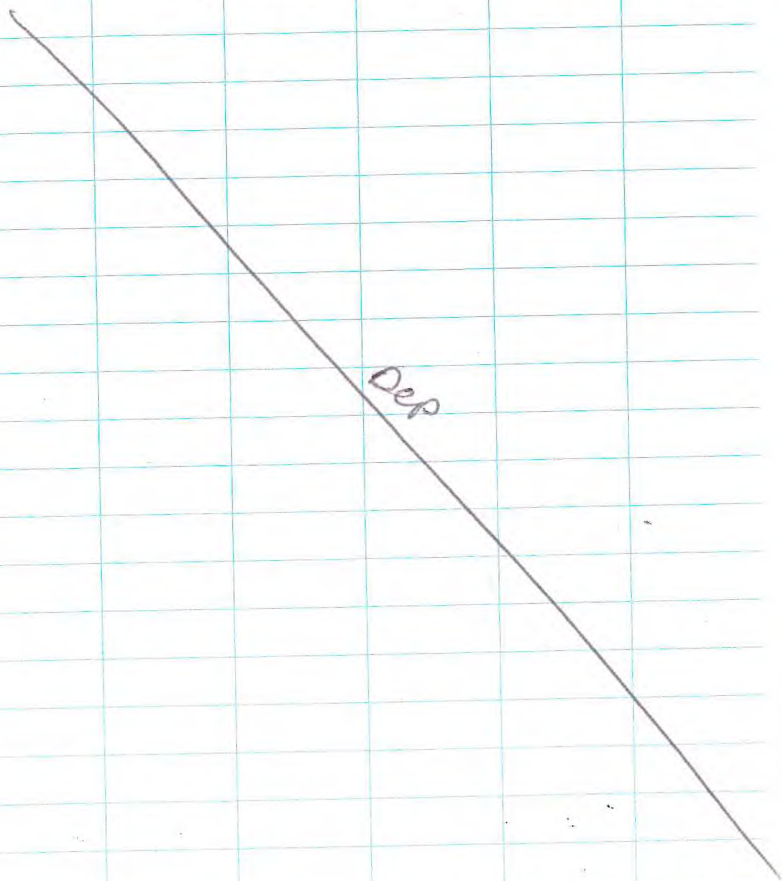
6/9/21 Cont.

Traffic. Map estimate of 26 min is accurate.

12:00 EQM break for lunch

13:00 EQM return to work

16:25 Site security + safety activities completed. EQM + START offsite.



6/10/21

07:30 START + EQM onsite. Bill from EQM led tailgate safety meeting. EQM setting up for rain.

08:00 - 10:30 Rain + lightning, resume setup

12:15 - 13:10 Break for lunch, resume setup

15:00 Electricians onsite to hook up trailers

16:30 EQM + START offsite. 2 EQM crew remained with Electricians to finish setup.

6/11/21

07:25 START + EQM + EPA onsite. Bill from EQM held tailgate safety meeting. EQM plans to work on asbestos cleanup today.

08:23 Pump 71201 placed on Laborer Q.R. w/ asbestos cassette at 2.03 L/min

08:27 Pump 42118 placed on Operator M.B. w/ asbestos cassette at 2.01 L/min.

10:30 work begins in hot zone for asbestos.

12:15 EQM crew exit hot zone + decon. Break for lunch. Personal air pumps paused.

13:00 EQM dons PPE + returns to work in hot zone

13:30 START conducts daily perimeter check. No damage to fencing or signage + no sign

*Note in the Rain*

6/11/21 Continued.

- of mud tracked offsite.
- 14:00 Crew exits hot zone + decont while NPS + ECLÉ onsite to consult on fencing + project.
- 16:30 EGM exits hot zone + decont. START logged in asbestos cassettes on tracking sheet
- 16:45 START + EGM offsite.

6/12/21

- 07:30 START, EGM + EPA onsite. Bill led tailgate safety meeting
- 07:56 Pump 42118 placed on operator M.B. w/ asbestos cassette at 2.00 L/min
- 07:57 Pump 71201 placed on Laborer Q.R. w/ asbestos cassette at 2.02 L/min.
- 08:00 EGM entered hot zone + began asbestos cleanup on <sup>the</sup> western area.
- 10:00 EGM exits hot zone after decon for break
- 10:15 EGM re-enters hot zone + resumes work
- 11:25 START conducts daily perimeter fence + mud check. No signs of damage to fence or signage. No sign of mud tracking offsite.
- 12:00 EGM decon + exits hot zone for lunch.
- 12:55 EGM dons PPE + re-enters hot zone + resumes work in Southwestern area.

6/12/21 Cont.

- 14:10 Personal air pump, collected + logged  
EGM begins decon + exits hot zone.
- 14:30 EPA, EGM, + START offsite.

6/14/2021

- 0730 START, EGM, EPA onsite. BILL EGM HOLDS TAILGATE HEALTH & SAFETY MEETING
- 0804 PUMP 42118 PLACED ON OPERATOR M.B. W/ ASBESTOS CASSETTE W/ 2.00 L/MIN. PUMP 71201 PLACED ON LABORER Q.R. W/ ASBESTOS CASSETTE W/ 2.00 L/MIN.
- EGM ENTERS EXCLUSION ZONE TO CONTINUE ASBESTOS REMOVAL CLEANUP ON LOWER TIER —
- 0810 STARTED ORIENTS START ASUM TO FIELD SITE RESPONSIBILITIES. START CONDUCTS DAILY PERIMETER FENCE CHECK. NO SIGNS OF DAMAGE TO FENCING —
- 0940 EGM EXITS EXCLUSION ZONE FOR BREAK
- 1000 EGM ENTERS EXCLUSION ZONE TO CONTINUE ASBESTOS REMOVAL
- 1200 EGM EXITS EXCLUSION ZONE —

6/14/2021 CONT.

FOR LUNCH. WM ONSITE FOR  
ROLLOFF PICKUP.

1245 ERM ENTERS EXCLUSION ZONE  
LINES ROLL OFF. CONTINUES  
REMOVING ASBESTOS FROM LOWER  
TIER WITH EXCAVATOR AND HAND TOOLS  
1420 START CHECKS FOR MUD TRACKS  
OFFSITE AT GATE - NO TRACKS  
ON ROAD OBSERVED.

1530 ERM USES GRABBER TO MANUALLY  
PICK UP ASBESTOS FROM SW  
AREA.

1600 ERM SECURES ROLL OFF (FILLED)  
W/ ADHESIVE FOR OFFSITE DISPOSAL

1630 ERM, EPA, START W/ THE SITE

1710 ERM, EPA, START OFFSITE, GATE  
SECURED.

6/15/2021

0730 START, ERM, EPA ONSITE, HATCH  
W/ ERM HOLDS TAILGATE HEALTH  
AND SAFETY MEETING. CONTINUED  
WORK PLAN TO REMOVE ASBESTOS  
FROM SITE

0750 ERM ENTERS EXCLUSION ZONE

6/15/2021 CONT

0800 START PREPS PERSONAL AIR  
SAMPLES FOR SHIPMENT ON  
6/15/2021. COC TO ERM

0850 WASTE MANAGEMENT ONSITE  
FOR ROLL OFF PICK UP / DROP OFF  
START MARKS SMALL ROOFING  
PIECES ON SW SIDE FOR PICK  
UP.

0945 BRUCE PATRICK W/ KANEKAWA  
COUNTY ONSITE - SPEAKS TO COLLY  
EPA

1000 ERM OUT OF EXCLUSION ZONE - BREAK

1020 ERM BACK INTO EXCLUSION ZONE

1100 ERM CONSULTS START/EPA ON  
CHASING ASBESTOS ROOFING  
BURIED UNDER LARGE CONCRETE  
PIECES ON LOWER TIER. VISIBLE  
WILL BE REMOVED, AREA TO BE  
BACKFILLED.

NOTE - PATRICK OFFSITE 1015  
1145 ERM OUT OF EXCLUSION ZONE FOR LUNCH  
1215 ERM INTO EXCLUSION ZONE TO CONTINUE  
ASBESTOS REMOVAL FROM LOWER  
TIER USING EXCAVATOR, HAND TOOLS  
SLID STEER AND TRACKED CRAWLER

6/15/2021 CONT

1445 EQM OUT OF EXCLUSION ZONE - BREATH  
BACKNOTE - START UNLOCKED SITE SECURITY  
FENCE AT 1330 W/ PINK EQM - NO  
SIGN OF NEEDED REPAIRS

1500 EQM SECURES ROLLOFF HS w/  
ADHESIVE FOR DISPOSAL.

1620 EQM EXITS EXCLUSION ZONE.  
PILE OF ASBESTOS NOT IN ROLLOFF  
COVERED FOR EVENING

1630 START, EPA, EQM OFFSITE, AWARE SECURE

6/16/2021

0730 START, EPA, EQM UNSITE, GARY  
(EQM) HOLDS MILWAUKEE HEALTH &  
SAFETY MEETING, CONTINUED  
WORK TO REMOVE ASBESTOS FROM  
LOWER LEVEL, MOVING TO UPPER

0810 EQM INTO EXCLUSION ZONE - LOWER TIER

0910 EQM OUT OF EXCLUSION ZONE - HAVE  
COMPLETED REMOVAL OF ASBESTOS  
ON LOWER TIER, EQM USE WATER  
SPRINKERS FOR DUST CONTROL ON  
DRIVEWAY AND SCREENING LOCATION  
FILLS WATER TANK FROM LAKE

0950 EQM BACK IN EXCLUSION ZONE  
MOVS TO TOP TIER TO REMOVE

6/16/2021 CONT

LARGE ASBESTOS PILE ON  
MILLSIDE, CUTS ACCESS ROAD  
THROUGH ENTRANCE NEAR SHUTE  
STAKE.

1000 START FLAGS AREAS OF PREVIOUS  
XRF LOCATIONS EXCEEDING  
INDUSTRIAL AND RESIDENTIAL  
RML FOR LEAD AND ARSENIC

1200 EQM OUT OF EXCLUSION ZONE  
FOR LUNCH.

1245 EQM BACK IN EXCLUSION ZONE  
CONTINUES REMOVING ASBESTOS  
FROM PILE ON MILLSIDE NEAR  
TOP TIER, START UNLOCKS PERIMETER  
FENCE - NO ISSUES.

1300 START ~~SE~~ DELINEATES LEAD AND  
ARSENIC ON LOWER TIER, AREAS  
MARKED W/ WHITE PIN FLAGS  
DELINEATING TO RESIDENTIAL  
RML CRITERIA.

1430 START DELINEATES MIDDLE TIER  
FOR LEAD AND ARSENIC. OBSERVES  
MUSTARD YELLOW CHIPS ARE  
PRESENT IN SCREENING FOR LEAD.

1530 START CHECKS DRIVEWAY

6/16/2021 cont.

ENTRANCE FOR TRACKING OFFSITE  
NO ISSUES

1615 EQM COVERS ASBESTOS PILE NOT  
IN ROLLOFFS WETS BODIL  
EQM OUT OF EXCLUSION ZONE

1630 EQM, EPA, START OFFSITE, GATE  
SECURED

---

6/17/2021

0730 START, EPA, EQM ONSITE, PREPARE  
EQM HANDS TAILGATE HEALTH  
AND SAFETY MEETING, EQM WILL  
CONTINUE TO REMOVE ASBESTOS  
FROM HILLSIDE

0800 EQM WETS DRIVEWAY FOR PEST CONTROL  
0822 PUMP UP ON OPERATOR

MB W/ METAL CASSETTE AT 2.0 L/MIN  
PUMP UP ON LABORER QK

W/ METALS CASSETTE AT 2.0 L/MIN

0827 EQM INTO EXCLUSION ZONE TO  
CONTINUE ASBESTOS REMOVAL

0940 START XRF'S AREA NEAR SMOKE  
STACK FOR LEAD/ARSENIC DELINEATION

1000 EQM OUT OF EXCLUSION ZONE FOR BREAK

1015 EQM BACK INTO EXCLUSION ZONE

6/17/2021 cont.

1030 START XRF'S AREA SW OF  
RUINS NEAR "CAMPFIRE" FOR  
ARSENIC/LEAD DELINEATION -  
OBSERVES MUSTARD YELLOW  
IMPRINTED MATERIAL

1140 W/M ONSITE FOR ROLLOFF  
TRANSPORT, ROLLOFF PROCEED.

1200 EQM OUT OF EXCLUSION ZONE FOR LUNCH

1240 EQM BACK IN EXCLUSION ZONE, CONTINUE  
SCRAPING MIDDLE TIER FOR STOCKPILE  
COLLECTION, REMOVING ASBESTOS  
ON HILLSIDE.

1430 BILL EQM ONSITE, CHAIN TO RUN  
THROUGH WEEK.

1530 EQM CONTINUES REMOVING ASBESTOS  
FROM HILLSIDE USING EXCAVATOR AND  
HAND TOOLS - RACKS, SKID STEER TO  
TRANSPORT TO CURB.

1550 EQM DOWN FROM STAMP MILL,  
LINES ROLLOFF, BEGINS ADDING  
STOCKPILED MATERIAL TO ROLLOFF.

1630 START, EQM, EPA OFFSITE,  
GATE SECURED, STOCKPILE  
WETTED AND COVERED

---

6/18/2021

0730 START, EPA, EQM ON SITE, BILL  
EQM HOLDS TAILGATE HEALTH  
AND SAFETY MEETING. WILL  
CONTINUE REMOVING ASBESTOS FROM  
HILL SIDE, WILL LOAD ON MIDDLE  
TIER LEAD/ARSENIC SOIL AND  
CONSOLIDATE REMAINING AREAS  
0745 EQM INTO EXCLUSION ZONE  
PUMP UPO53454 ON OPERATOR M/B  
W/ METALS CASSETTE - 2.0 L/MIN FLOW  
PUMP UPO53846 ON LABORER OR  
W/ METALS CASSETTE - 2.0 L/MIN FLOW  
EQM WAYS ASBESTOS STOCKPILE INTO  
LINKED ROLLUP, WETS MATERIAL  
0800 CONTINUES REMOVING ASBESTOS PILE  
FROM HILLSIDE USING EXCAVATOR,  
HAND TOOLS.  
1000 EQM OUT OF EXCLUSION ZONE - BRCA  
1030 EQM BACK INTO EXCLUSION ZONE.  
EQM CONTINUES TO REMOVE ASBESTOS,  
1140 EQM LOADS CONSOLIDATED  
LEAD/ARSENIC IMPACTED MATERIAL  
FROM MIDDLE TIER INTO EXCAVATOR  
BUCKET, THEN SKID STEER, THEN  
CRANNE FOR ADDING TO  
STOCKPILE

6/18/2021 CONT

1215 EQM OUT OF EXCLUSION ZONE  
BREAKS FOR LUNCH, START  
DRIVES 1 HOSPITAL ROUTE - NO  
OBSTRUCTIONS/CONSTRUCTION  
1315 START ON SITE, EQM WETTING  
DRIVE/MATERIAL IN STOCKPILE  
1400 EQM REMOVES LEAD/ARSENIC  
MATERIAL FROM MIDDLE TIER  
USING SHOVELS, WHEEL BARRROW  
1600 EQM OUT OF EXCLUSION ZONE  
WETS STOCKPILE, COVERS W/ PLASTIC  
1630 START, EPA, EQM OFF SITE, GATE  
SECURE

6/19/2021

0730 START, EPA, EQM ON SITE, BILL  
HOLDS TAILGATE HEALTH AND SAFETY  
MEETING, START TO CHECK MIDDLE  
TIER, EQM TO SCRAP NEAR SMOKE  
STACK, CONTINUE REMOVING  
LEAD/ARSENIC SOILS FROM FURN  
RANGE.  
0746 PUMP UP ON OPERATOR  
M/B W/ METALS CASSETTE 2.0 L/MIN  
PUMP LP ON LABORER OR

6/19/2021 cont

- W/ MOTORS CASSETTE 2 LHM IN  
0750 EDM INTO EXCLUSION ZONE  
REMOVES LEAD IMPACTED SOIL FROM  
NEAR SMOKE STACK.
- 0830 START CHECKS MIDDLE TIER FOR  
BELOW CRITERIA XRF SCREENING  
ALL BELOW INDUSTRIAL RML.
- 0900 EDM SCRAPES / REMOVES LEAD  
IMPACTED SOIL AND MUSTARD  
YELLOW CAKE MATERIAL FROM  
NEAR GUN RANGE. ALL RE-SCREENED  
AREAS. BELOW INDUSTRIAL RML.
- 1015 EDM OUT OF EXCLUSION ZONE FOR BREAK
- 1030 EDM COMPLETES SCRAPING NEAR  
GUN RANGE, MOVES TO LOWER TIER  
REMOVES ARSENIC IMPACTED SOIL  
EDM WORKS TO FILL IN AREAS  
ON LOWER TIER WHERE EXCAVATION  
FOR ASBESTOS OCCURRED W/ STAMP  
MILLS.
- 1200 EDM OUT OF EXCLUSION ZONE - LUNCH
- 1230 EDM BACK INTO EXCLUSION ZONE.  
EDM REMOVES LEAD/ARSENIC IMPACTED  
SOIL ON LOWER LEVEL/TIER. START  
XRFs AS MATERIAL IS REMOVED  
EDM CUTS TREES TO TRAIL

6/19/2021 cont

- TO LEFT OF STAMP MILL  
FOR ACCESS FOR ASBESTOS  
REMOVAL.
- 1420 EDM OUT OF EXCLUSION  
ZONE.
- 1430 START, EDM OPPOSITE, EMER  
SECURE

6/21/2021

- 0730 START, EDM, EPA VISIT  
BILL HOLDS TRIANGLE HEALTH  
AND SAFETY MEETING, PLAN  
TO COMPLETE LEAD/ARSENIC  
REMOVAL FROM LOWER TIER
- 0800 EDM INTO EXCLUSION ZONE  
DIG OUT TRENCH AND COMPLETE  
REMOVAL OF LEAD/ARSENIC  
IMPACTED SOIL FROM LOWER TIER.
- 1000 EDM COMPLETES LEAD/ARSENIC  
REMOVAL, OUT OF EXCLUSION  
ZONE. TOP SOIL DELIVERED.
- 1015 EDM INTO EXCLUSION ZONE  
MOVES TOP SOIL TO END OF  
RUNS WHERE ASBESTOS WAS  
DUG OUT TO BUILD RAMP

Return to site



6/21/2021 CONT

1200 EDM OUT OF EXCLUSION ZONE  
 1300 EDM INTO EXCLUSION ZONE  
 CONTINUES BUILDING RAMP  
 USING EXCAVATOR, SKID STEER,  
 HAND TOOLS.

1615 EDM OUT OF EXCLUSION ZONE  
 1030 START, EPA, EDM OFFSITE, GATE  
 SECURED

6/22/2021

0730 START EPA, EDM ONSITE, BILL  
 HOLDS TRAILGATE HEALTH AND  
 SAFETY MEETING, EDM WILL START  
 ON ASBESTOS PILE NEAR TRAIL.

0745 EDM INTO EXCLUSION ZONE  
 USES EXCAVATOR, HAND TOOLS TO  
 REMOVE ASBESTOS ROOFING FROM  
 TRAILSIDE - LOADED ONTO SKID  
 STEER, THEN CRAWLER FOR  
 STAGING

0900 WASTE MANAGEMENT ONSITE FOR  
 ROLLOFF SWITCH OUT

1015 EDM OUT OF EXCLUSION ZONE  
 1030 EDM BACK IN EXCLUSION ZONE, CONTINUED  
 REMOVING ASBESTOS FROM TRAILSIDE  
 NEAR TRAIL

6/22/2021 CONT

1200 WASTE MANAGEMENT ONSITE  
 FOR ROLLOFF TRANSPORT, EDM  
 OUT OF EXCLUSION ZONE FOR UNLCH

1230 EDM BACK INTO EXCLUSION ZONE,  
 CONTINUES REMOVING ASBESTOS  
 ROOFING USING EXCAVATOR,  
 HAND TOOLS

1540 EDM LINES ROLLOFF, COVERS  
 STOCKPILE, WETS MATERIAL

1630 EDM OUT OF EXCLUSION ZONE

6/23/2021

0730 START EPA, EDM ONSITE, BILL  
 EDM HOLDS TRAILGATE SAFETY  
 MEETING, WILL CONTINUE REMOVING  
 ASBESTOS

0745 WASTE MANAGEMENT ONSITE  
 FOR ROLLOFF PICKUP/DROPOFF  
 EDM WATS ROLLOFFS FOLLOWING  
 LIMING, EPA OFFSITE

1015 EDM OUT OF EXCLUSION ZONE  
 1030 EDM BACK INTO EXCLUSION ZONE  
 1200 EDM WATS ROLLOFFS  
 IN STOCKPILED MATERIAL.

1200 EPA ONSITE, EDM OUT OF EXCLUSION

Rite in the Rain

6/23/2021 CONT

20:00 BREAK FOR LUNCH

12:30 EDM BACK IN EXCLUSION ZONE  
 REMOVES ASBESTOS ROOFING FROM  
 HILLSIDE USING EXCAVATOR, HANDTOOLS  
 14:15 EDM OUT OF EXCLUSION ZONE  
 14:30 EDM BACK IN EXCLUSION ZONE, PICKS  
 UP ASBESTOS ROOFING USING HANDTOOLS  
 BEGINS BACKFILLING W/ SOIL  
 16:00 AMM K-EGUE ON SITE  
 16:30 EPA, EGUE, EDM, START OFFSITE  
GATE SECURED

6/24/2021

07:30 START, EDM, EPA ON SITE, BILL  
 EDM HOLDS HEALTH AND SAFETY  
 MEETING.  
 07:45 EDM INTO EXCLUSION ZONE,  
 CONTINUE BACKFILLING HILLSIDE,  
 SPREADS SEED AFTER RAKING  
 09:30 EDM PICKS UP ASBESTOS DEBRIS  
 FROM TOP LEVEL, SMOOTHS  
 TRACKS W/ SCID STEER  
 10:00 EPA, START OFFSITE, EDM TO  
FINISH OUT THE DAM

6/28/2021

07:30 EPA, START, EDM ON SITE  
 MORNING HEALTH AND SAFETY  
 MEETING HELD BY BILL-EDM.  
 EDM HAS COMPLETED RESTORATION  
 WILL CONTINUE TO DEMO  
 EQUIPMENT, TRAILERS - AWAITING  
 WASTE MANAGEMENT FOR  
 ROLLOFF TRANSPORT. WILL  
 REMOVE PERIMETER FENCING,  
 08:30 EPA OFFSITE, START  
 PHOTO DOCUMENTS SITE  
 09:15 START OFFSITE

**APPENDIX D**  
**WASTE PROFILE AND MANIFESTS**



Requested Facility: K&W Landfill  Unsure Profile Number: 128483MI  
 Multiple Generator Locations (Attach Locations)  Request Certificate of Disposal  Renewal? Original Profile Number: \_\_\_\_\_

**A. GENERATOR INFORMATION (MATERIAL ORIGIN)**

- 1. Generator Name: USEPA Gay Stamp Sands
- 2. Site Address: 730 Gay Lac La Belle Road  
(City, State, ZIP) Gay MI 49950
- 3. County: Keweenaw
- 4. Contact Name: Brian Kelly
- 5. Email: Kelly.Brian@EPA.gov
- 6. Phone: (513) 444-8112 7. Fax: \_\_\_\_\_
- 8. Generator EPA ID: \_\_\_\_\_  N/A
- 9. State ID: \_\_\_\_\_  N/A

**C. MATERIAL INFORMATION**

- 1. Common Name: Asbestos-Friable  
Describe Process(es) Generating Material:  See Attached  
Removal of regulated, uncontaminated friable, or non-friable that has become friable, asbestos containing materials from demolition/dismantling or remediation activities.
- 2. Material Composition and Contaminants:  See Attached  

1. Friable ACM	50-60 %
2. Nonfriable-ACM	50-60 %
3.	
4.	

Total comp. must be equal to or greater than 100% ≥100%
- 3. State Waste Codes: \_\_\_\_\_  N/A
- 4. Color: Various
- 5. Physical State at 70°F:  Solid  Liquid  Other: \_\_\_\_\_
- 6. Free Liquid Range Percentage: \_\_\_\_\_ to \_\_\_\_\_  N/A
- 7. pH: \_\_\_\_\_ to \_\_\_\_\_  N/A
- 8. Strong Odor:  Yes  No Describe: \_\_\_\_\_
- 9. Flash Point:  <140°F  140°-199°F  ≥200°  N/A

**E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION**

- 1. Analytical attached  Yes  
Please identify applicable samples and/or lab reports:  
lab WO 19070725 GSS-ASB01-0719, GSS-ASB02-0719, GSS-ASB03-0719, GSS-ASB04-071, GSS-ASB05-0719, GSS-ASB06-0719, GSS-ASB06x-0719
- 2. Other information attached (such as MSDS)?  Yes

**G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)**

By signing this EZ Profile™ form, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided. Any analytical data attached was derived from a sample that is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method. All changes occurring in the character of the material (i.e., changes in the process or new analytical) will be identified by the Generator and be disclosed to Waste Management prior to providing the material to Waste Management.

I am an Authorized Agent signing on behalf of the Generator, and I have confirmed with the Generator that information contained in this profile, as well as supporting documents provided, are accurate and complete.

Name (Print): Angye Dragotta Date: 06/09/2021  
Title: T&D Coordinator  
Company: Environmental Quality Management, Inc.

**B. BILLING INFORMATION**

SAME AS GENERATOR

- 1. Billing Name: EQM
- 2. Billing Address: 1800 Carillon Blvd  
(City, State, ZIP) Cincinnati OH 45240
- 3. Contact Name: Angye Dragotta
- 4. Email: adragotta@eqm.com
- 5. Phone: (513) 444-8112 6. Fax: \_\_\_\_\_
- 7. WM Hauled?  Yes  No
- 8. P.O. Number: \_\_\_\_\_
- 9. Payment Method:  Credit Account  Cash  Credit Card

**D. REGULATORY INFORMATION**

- 1. EPA Hazardous Waste?  Yes\*  No  
Code: \_\_\_\_\_
- 2. State Hazardous Waste?  Yes  No  
Code: \_\_\_\_\_
- 3. Is this material non-hazardous due to Treatment, Delisting, or an Exclusion?  Yes\*  No
- 4. Contains Underlying Hazardous Constituents?  Yes\*  No
- 5. From an industry regulated under Benzene NESHAP?  Yes\*  No
- 6. Facility remediation subject to 40 CFR 63 GGGGG?  Yes\*  No
- 7. CERCLA or State-mandated clean-up?  Yes\*  No
- 8. NRC or State-regulated radioactive or NORM waste?  Yes\*  No  
**\*If Yes, see Addendum (page 2) for additional questions and space.**
- 9. Contains PCBs? → If Yes, answer a, b and c.  Yes  No
  - a. Regulated by 40 CFR 761?  Yes  No
  - b. Remediation under 40 CFR 761.61 (a)?  Yes  No
  - c. Were PCB imported into the US?  Yes  No
- 10. Regulated and/or Untreated Medical/Infectious Waste?  Yes  No
- 11. Contains Asbestos?  Yes  No  
→ If Yes:  Non-Friable  Non-Friable - Regulated  Friable

**F. SHIPPING AND DOT INFORMATION**

- 1.  One-Time Event  Repeat Event/Ongoing Business
- 2. Estimated Quantity/Unit of Measure: 300  
 Tons  Yards  Drums  Gallons  Other: \_\_\_\_\_
- 3. Container Type and Size: 20 CY Rolloff
- 4. USDOT Proper Shipping Name: \_\_\_\_\_  N/A  
RQ, NA2212, Asbestos, 9, PG III

**Certification Signature**

*Angye Dragotta*  
81360FaBb0...



Only complete this Addendum if prompted by responses on EZ Profile™ (page 1) or to provide additional information. Sections and question numbers correspond to EZ Profile™.

Profile Number: 128483MI

C. MATERIAL INFORMATION

Describe Process Generating Material (Continued from page 1): If more space is needed, please attach additional pages.

[Empty text box for describing process generating material]

Material Composition and Contaminants (Continued from page 1): If more space is needed, please attach additional pages.

Table with 2 columns: Material Composition and Contaminants, and Total composition must be equal to or greater than 100%. Rows 5-9.

D. REGULATORY INFORMATION

Only questions with a "Yes" response in Section D on the EZ Profile™ form (page 1) need to be answered here.

1. EPA Hazardous Waste

a. Please list all USEPA listed and characteristic waste code numbers:

[Empty text box for listing waste code numbers]

- b. Is the material subject to the Alternative Debris standards (40 CFR 268.45)?
c. Is the material subject to the Alternative Soil standards (40 CFR 268.49)?
d. Is the material exempt from Subpart CC Controls (40 CFR 264.1083)?

2. State Hazardous Waste -> Please list all state waste codes:

3. For material that is Treated, Delisted, or Excluded -> Please indicate the category, below:

- Delisted Hazardous Waste, Excluded Waste under 40 CFR 261.4, Treated Hazardous Waste Debris, Treated Characteristic Hazardous Waste

4. Underlying Hazardous Constituents -> Please list all Underlying Hazardous Constituents:

[Empty text box for listing hazardous constituents]

5. Industries regulated under Benzene NESHAP include petroleum refineries, chemical manufacturing plants, coke by-product recovery plants, and TSDFs.

- a. Are you a TSDF?
b. Does this material contain benzene?
c. What is your facility's current total annual benzene quantity in Megagrams?
d. Is this waste soil from a remediation?
e. Does the waste contain >10% water/moisture?
f. Has material been treated to remove 99% of the benzene or to achieve <10 ppmw?
g. Is material exempt from controls in accordance with 40 CFR 61.342?
h. Based on your knowledge of your waste and the BWON regulations, do you believe that this waste stream is subject to treatment and control requirements at an off-site TSDF?

6. 40 CFR 63 GGGGG -> Does the material contain <500 ppmw VOHAPs at the point of determination?

7. CERCLA or State-Mandated clean up -> Please submit the Record of Decision or other documentation with process information to assist others in the evaluation for proper disposal.

8. NRC or state regulated radioactive or NORM Waste -> Please identify Isotopes and pCi/g:



23-Jul-2019

Chad Whelton  
ALS Laboratory Group, Inc.  
3352 128th Avenue  
Holland, MI 49424

Tel: (616) 399-6070  
Fax: (616) 399-6185

Re: 19070725

Work Order: **1907598**

Dear Chad,

ALS Environmental received 7 samples on 16-Jul-2019 10:40 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 12.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Shawn Smythe".

Electronically approved by: Danielle Strasinger

Shawn Smythe  
Project Manager

**Client:** ALS Laboratory Group, Inc.  
**Project:** 19070725  
**Work Order:** 1907598

**Work Order Sample Summary**

---

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1907598-01	19070725-01A	Soil		7/10/2019 13:41	7/16/2019 10:40	<input type="checkbox"/>
1907598-02	19070725-02A	Soil		7/10/2019 13:48	7/16/2019 10:40	<input type="checkbox"/>
1907598-03	19070725-03A	Soil		7/10/2019 13:57	7/16/2019 10:40	<input type="checkbox"/>
1907598-04	19070725-04A	Soil		7/10/2019 14:04	7/16/2019 10:40	<input type="checkbox"/>
1907598-05	19070725-05A	Soil		7/10/2019 14:06	7/16/2019 10:40	<input type="checkbox"/>
1907598-06	19070725-06A	Soil		7/10/2019 14:15	7/16/2019 10:40	<input type="checkbox"/>
1907598-07	19070725-07A	Soil		7/10/2019 14:15	7/16/2019 10:40	<input type="checkbox"/>

---

**Client:** ALS Laboratory Group, Inc.  
**Project:** 19070725  
**Work Order:** 1907598

---

**Case Narrative**

It is the responsibility of the client to notify the lab of any certification requirements in writing via the chain of custody as this may determine the preparation and analytical procedures employed.

Laboratory accreditation does not in any way constitute approval or endorsement by any accrediting body or agency of the federal government. Please contact ALS Cincinnati QA/QC Manager for accreditation identifications and certifications.

All sample collection is performed outside of ALS and is the sole responsibility of the client. Sample condition acceptable upon receipt except where noted. Estimates of concentration are semi-quantitative and are made on an area basis. Results apply only to portions of samples analyzed. Samples disposed after 60 days. Cover letter signatory indicates report generation only. Raw data validated by peer analyst. Analyst responsible for technical content of report. The reporting limit (RL) for asbestos in bulk materials is 1% and is a function of the quantity of sample analyzed, the nature of any matrix interferences, sample preparation, and fiber size and distribution.

Results reported as ND indicate that no asbestos was detected.

Results reported as "Trace" indicate that asbestos was detected at some level confidently determined to be <1% which is considered inconclusive according to New York ELAP.

Results reported as "Near 1%" indicate that while asbestos was detected at a level confidently determined to be <1% as prepared, the inherent uncertainty of the quantification technique(s) employed and the concentration nearing the 1% mark necessitate the recommendation that verification of these results by a more accurate and precise method be made.

ALS performs variety of PLM methods for asbestos in bulk building materials including EPA 600/R-93/116, NIOSH 9002, ELAP 198.1, and ELAP 198.6. In addition, we perform a modified uncertified version of EPA 600/R-04/004 for asbestos in vermiculite which reports asbestos as present or absent only, an in-house developed uncertified method ALS SOP ENV 004 for asbestos in soil, and asbestos in soil by ASTM D7521.

Regardless of the method requested, all samples are examined according to mandatory method protocol. Any optional method protocol are eliminated from the initial analysis but may be performed upon client request. These may include; insufficient sample volume rejection\*, phase separation of layered or heterogeneous samples, ashing to remove organic interferences, acid dissolution to remove mineral carbonate interferences, point counting\*\*, and analysis by transmission electron microscopy (TEM) to verify ND results.

All samples are examined by stereomicroscope for the determination of homogeneity, texture, friability, color, and extent of fibrous components. Non-asbestos materials such as foil, paper, metal, plastic, pebbles, or organic debris are ignored and a subsample of the remaining material homogenized by some means for examination by polarized light microscope (PLM). Information obtained via both stereomicroscope and PLM are used in the final qualitative and quantitative analysis of fibrous components.

NOTE: Any visible building debris in soil samples such as pieces of drywall, roofing material,



---

---

**Client:** ALS Laboratory Group, Inc.  
**Project:** 19070725  
**Work Order:** 1907598

## Case Narrative

---

insulation, concrete, etc., are not included in the soil analysis. If present, these are considered possible asbestos containing materials (ACM) and may be analyzed as separate samples upon client request.

\*Sufficient sample volume is material dependent. For samples such as floor tiles, roofing felts, sheet insulation, etc., three to four square inches of the layered material is preferred. For materials such as ceiling tiles, loose fill insulation, pipe insulation, etc., one cubic inch (~15cc) is preferred. For samples of thin coating materials such as paints, mastics, spray plasters, etc., a smaller sample size may be suitable. For vermiculite analysis, a one gallon ziploc bag full of dry, loose material is acceptable. For ENV 004 soil samples, a 4oz jar is recommended. The ASTM D7521 Soil method requires a minimum of 8oz and a maximum of 16oz of homogeneous soil.

\*\*PLM samples at or near the 1% detection limit may be analyzed by the 400 point count analysis which refers to method EPA 600/M4/82/020, or AHERA method EPA 40 CFR Part 763, Sub. E, App. E as these are synonymous.

**ALS Environmental**

Date: 23-Jul-19

**Client:** ALS Laboratory Group, Inc.  
**Project:** 19070725

**Work Order:** 1907598

**Lab ID:** 1907598-01A  
**Client Sample ID:** 19070725-01A

**Collection Date:** 7/10/2019 1:41:00 PM  
**Matrix:** SOIL

Analyses	Result	Units	Analytical Results
<b>Asbestos by PLM with Ashing</b>			Date Analyzed 7/19/2019
<b>Macroscopic Examination</b>	Prep Date: 7/19/2019	E600/R-93/116	Analyst: MRS
Color	Black		
Description	Material		
Homogeneity	Homogeneous		
Texture	Resinous		
<b>Asbestiform Minerals</b>			E600/R-93/116
Amosite	ND	%	
Anthophyllite	ND	%	
Chrysotile	28.47	%	
Crocidolite	ND	%	
Tremolite - actinolite	ND	%	
<b>Total asbestos</b>	<b>28.47</b>	<b>%</b>	

**Lab ID:** 1907598-02A  
**Client Sample ID:** 19070725-02A

**Collection Date:** 7/10/2019 1:48:00 PM  
**Matrix:** SOIL

Analyses	Result	Units	Analytical Results
<b>Asbestos by PLM with Ashing</b>			Date Analyzed 7/19/2019
<b>Macroscopic Examination</b>	Prep Date: 7/19/2019	E600/R-93/116	Analyst: MRS
Color	Black		
Description	Material		
Homogeneity	Homogeneous		
Texture	Resinous		
<b>Asbestiform Minerals</b>			E600/R-93/116
Amosite	ND	%	
Anthophyllite	ND	%	
Chrysotile	29.14	%	
Crocidolite	ND	%	
Tremolite - actinolite	ND	%	
<b>Total asbestos</b>	<b>29.14</b>	<b>%</b>	

**Note:**

**ALS Environmental**

Date: 23-Jul-19

**Client:** ALS Laboratory Group, Inc.  
**Project:** 19070725

**Work Order:** 1907598

**Lab ID:** 1907598-03A  
**Client Sample ID:** 19070725-03A

**Collection Date:** 7/10/2019 1:57:00 PM  
**Matrix:** SOIL

Analyses	Result	Units	Analytical Results
<b>Asbestos by PLM with Ashing</b>			Date Analyzed 7/19/2019
<b>Macroscopic Examination</b>	Prep Date: 7/19/2019	E600/R-93/116	Analyst: MRS
Color	Black		
Description	Material		
Homogeneity	Homogeneous		
Texture	Resinous		
<b>Asbestiform Minerals</b>		<b>E600/R-93/116</b>	
Amosite	ND	%	
Anthophyllite	ND	%	
Chrysotile	48.94	%	
Crocidolite	ND	%	
Tremolite - actinolite	ND	%	
<b>Total asbestos</b>	<b>48.94</b>	<b>%</b>	

**Note:**

**ALS Environmental**

Date: 23-Jul-19

**Client:** ALS Laboratory Group, Inc.  
**Project:** 19070725

**Work Order:** 1907598

**Lab ID:** 1907598-04A  
**Client Sample ID:** 19070725-04A

**Collection Date:** 7/10/2019 2:04:00 PM  
**Matrix:** SOIL

Analyses	Result	Units	Analytical Results
<b>Asbestos by PLM</b>			Date Analyzed 7/19/2019
<b>Macroscopic Examination</b>	Prep Date: 7/18/2019	E600/R-93/116	Analyst: MRS
Color	Brown		
Description	Material		
Homogeneity	Homogeneous		
Texture	Fibrous		
<b>Other Materials</b>			E600/R-93/116
Cellulose	ND	%	
Fiberglass	ND	%	
Non-fibrous	>30<=40	%	
Other fibers	ND	%	
Resin/binder	>20<=30	%	
<b>Asbestiform Minerals</b>			E600/R-93/116
Amosite	ND	%	
Anthophyllite	ND	%	
Chrysotile	>20<=30	%	
Crocidolite	ND	%	
Tremolite - actinolite	ND	%	
<b>Total asbestos</b>	<b>&gt;20&lt;=30</b>	<b>%</b>	

**Note:**

**ALS Environmental**

Date: 23-Jul-19

**Client:** ALS Laboratory Group, Inc.  
**Project:** 19070725

**Work Order:** 1907598

**Lab ID:** 1907598-05A  
**Client Sample ID:** 19070725-05A

**Collection Date:** 7/10/2019 2:06:00 PM  
**Matrix:** SOIL

Analyses	Result	Units	Analytical Results
<b>Asbestos by PLM</b>			Date Analyzed 7/19/2019
<b>Macroscopic Examination</b>	Prep Date: 7/18/2019	E600/R-93/116	Analyst: MRS
Color	Brown		
Description	Material		
Homogeneity	Homogeneous		
Texture	Fibrous		
<b>Other Materials</b>			E600/R-93/116
Cellulose	ND	%	
Fiberglass	ND	%	
Non-fibrous	>50<=60	%	
Other fibers	ND	%	
Resin/binder	>20<=30	%	
<b>Asbestiform Minerals</b>			E600/R-93/116
Amosite	ND	%	
Anthophyllite	ND	%	
Chrysotile	>5<=10	%	
Crocidolite	ND	%	
Tremolite - actinolite	ND	%	
<b>Total asbestos</b>	<b>&gt;5&lt;=10</b>	<b>%</b>	

**Note:**

**ALS Environmental**

Date: 23-Jul-19

**Client:** ALS Laboratory Group, Inc.  
**Project:** 19070725

**Work Order:** 1907598

**Lab ID:** 1907598-06A  
**Client Sample ID:** 19070725-06A

**Collection Date:** 7/10/2019 2:15:00 PM  
**Matrix:** SOIL

Analyses	Result	Units	Analytical Results
<b>Asbestos by PLM</b>			Date Analyzed 7/19/2019
<b>Macroscopic Examination</b>	Prep Date: 7/18/2019	E600/R-93/116	Analyst: MRS
Color	Brown		
Description	Material		
Homogeneity	Homogeneous		
Texture	Fibrous		
<b>Other Materials</b>			E600/R-93/116
Cellulose	ND	%	
Fiberglass	ND	%	
Non-fibrous	>40<=50	%	
Other fibers	ND	%	
Resin/binder	>20<=30	%	
<b>Asbestiform Minerals</b>			E600/R-93/116
Amosite	ND	%	
Anthophyllite	ND	%	
Chrysotile	>10<=20	%	
Crocidolite	ND	%	
Tremolite - actinolite	ND	%	
<b>Total asbestos</b>	<b>&gt;10&lt;=20</b>	<b>%</b>	

**Note:**

**ALS Environmental**

Date: 23-Jul-19

**Client:** ALS Laboratory Group, Inc.  
**Project:** 19070725

**Work Order:** 1907598

**Lab ID:** 1907598-07A  
**Client Sample ID:** 19070725-07A

**Collection Date:** 7/10/2019 2:15:00 PM  
**Matrix:** SOIL

Analyses	Result	Units	Analytical Results
<b>Asbestos by PLM</b>			Date Analyzed 7/19/2019
<b>Macroscopic Examination</b>	Prep Date: 7/18/2019	E600/R-93/116	Analyst: MRS
Color	Brown		
Description	Material		
Homogeneity	Homogeneous		
Texture	Fibrous		
<b>Other Materials</b>			E600/R-93/116
Cellulose	ND	%	
Fiberglass	ND	%	
Non-fibrous	>20<=30	%	
Other fibers	ND	%	
Resin/binder	>20<=30	%	
<b>Asbestiform Minerals</b>			E600/R-93/116
Amosite	ND	%	
Anthophyllite	ND	%	
Chrysotile	>30<=40	%	
Crocidolite	ND	%	
Tremolite - actinolite	ND	%	
<b>Total asbestos</b>	<b>&gt;30&lt;=40</b>	<b>%</b>	

Note:

**Client:** ALS Laboratory Group, Inc.  
**Project:** 19070725  
**WorkOrder:** 1907598

**QUALIFIERS,  
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SDL	Sample Detection Limit
SW	SW-846 Method

<u>Units Reported</u>	<u>Description</u>
%	



Sample Receipt Checklist

Client Name: ALS-HOLLAND

Date/Time Received: 16-Jul-19 10:40

Work Order: 1907598

Received by: SNH

Checklist completed by Stephanie Harrington 16-Jul-19  
eSignature Date

Reviewed by: Danielle Strasinger 23-Jul-19  
eSignature Date

Matrices:

Carrier name: FedEx

Shipping container/cooler in good condition? Yes  No  Not Present

Custody seals intact on shipping container/cooler? Yes  No  Not Present

Custody seals intact on sample bottles? Yes  No  Not Present

Chain of custody present? Yes  No

Chain of custody signed when relinquished and received? Yes  No

Chain of custody agrees with sample labels? Yes  No

Samples in proper container/bottle? Yes  No

Sample containers intact? Yes  No

Sufficient sample volume for indicated test? Yes  No

All samples received within holding time? Yes  No

Container/Temp Blank temperature in compliance? Yes  No

Temperature(s)/Thermometer(s):

Cooler(s)/Kit(s):

Water - VOA vials have zero headspace? Yes  No  No VOA vials submitted

Water - pH acceptable upon receipt? Yes  No  N/A

pH adjusted? Yes  No  N/A

pH adjusted by:

Login Notes:

-----

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

# WASTE SHIPMENT RECORD / ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

1-A. Special Waste Profile Number 12848311		NESHAP Notified <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		WSR Number GS-001		Elevation _____	
				North _____ East _____			
1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code) EPA Gay Stamp Sands Brian Kelly 2565 Plymouth Rd, Ann Arbor, MI 48105						1-C. Generator's Phone Number 734-740-9019	
1-D. Work Site Address 730 Gay Lane La Belle Rd Gay, MI 49950						1-E. 24 Hour Emergency Response Telephone Number 734-740-9019	
2. Operator's Name and Complete Mailing Address EQM 1800 Carillon Blvd Angye Dragotta Cincinnati, OH 45240						Operator's Phone Number 513-444-8112	
3. Waste Disposal Site (WDS) Name and Complete Mailing Address K&W Landfill 11877 State Highway M38, Ontonagon, MI 49953						WDS Phone Number 906-883-3504	
4. Name and Address of Responsible Agency Michigan Dept. of Environmental Quality PO Box 30290 Lansing, MI 48909-7760							
5. Description of Materials							
friable asbestos				RQ, NA2212, Asbestos, 9, PGIII		6. Containers No.	7. Total Quantity yd3
non-friable asbestos				Cat I _____ Cat II _____		1	CM 20
8. Special Handling Instructions and Additional Information 24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED							
9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.							
Printed/Typed Name and Title Brian Kelly, OSC				Signature Brian Kelly		Date 6/14/21	
10. Transporter 1 Company Name WM Houghton							
Complete Mailing Address 401 ENTERPRIZE DR Houghton MI 49930				Driver Signature Jim Pupponey			
Telephone Number (including area code) 906-482-4575				Printed Name and Title JIM PUPPONEY			
				Date 6/21/21			
11. Transporter 2 Company Name							
Complete Mailing Address				Driver Signature			
Telephone Number (including area code)				Printed Name and Title			
				Date			
12. Discrepancy Indication Space							
13. Waste Disposal Site Owner or Operator Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval. Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.							
Printed/Typed Name and Title Linda Thoreson, Specialist				Signature Linda Thoreson		Date 6-14-21	



K&W Landfill  
 11877 HWY 38  
 Ontonagon, MI, 49953

Reprint  
 Ticket# 309243  
 Ph: 906-883-3504

Customer Name WMHOUHLG WM HOUGHTON RO 411 0 Carrier WMHOUHLG WM Houghton Hauling  
 Ticket Date 06/14/2021 Vehicle# 415618 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver Jim  
 Route Check#  
 Hauling Ticket# Billing# 0000151  
 Destination Grid  
 PO#

	Time	Scale	Operator	Inbound	Gross	63120 lb
In	06/14/2021 13:19:48	Scale	LThoreson		Tare	38160 lb
Out	06/14/2021 13:43:19	Scale	LThoreson		Net	24960 lb
					Tons	12.48

Comments USEPA GAY STAMP SAND  
 730 GAY LAC LA BELLE RD

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Asb Friable-Tons-Asbesto	100	12.48	Tons				HOUGMI

Total Tax  
 Total Ticket

Driver's Signature

# WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Generator	1-A. Special Waste Profile Number 128483MI		NESHAP Notified ___ YES ___ NO <input checked="" type="checkbox"/>		WSR Number <b>GS-002</b>		Elevation _____ North _____ East _____		
	1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code) US EPA Gey Stamp Sands. Brian Kelly 2565 Plymouth Rd. Ann Arbor MI 48105						1-C. Generator's Phone Number 734-740-9019		
	1-D. Work Site Address 730 Gey Lac La Pelle Rd Gey, MI 49950						1-E. 24 Hour Emergency Response Telephone Number 734-740-9019		
	2. Operator's Name and Complete Mailing Address EQM 1800 Corillon Blvd Cincinnati OH 45240						Operator's Phone Number 513-519-8196		
	3. Waste Disposal Site (WDS) Name and Complete Mailing Address K&W Landfill 11877 State Highway M38, Ontonagon, MI 49953						WDS Phone Number 906-883-3504		
	4. Name and Address of Responsible Agency Michigan Dept. of Environmental Quality PO Box 30260, Lansing, MI 48909-7760								
	5. Description of Materials						6. Containers		7. Total Quantity
	Friable Asbestos						No.		Type
	friable asbestos						1		cm
	non-friable asbestos						Cat I _____ Cat II _____		20
8. Special Handling Instructions and Additional Information 24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED									
9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.									
Printed/Typed Name and Title Brian Kelly, OSC				Signature <i>Brian Kelly</i>			Date 6/15/21		
Transporter	10. Transporter 1 Company Name WM Houghton				Driver Signature <i>Jim Pappone</i>				
	Complete Mailing Address 401 Enterprise Dr. Houghton MI 49930				Printed Name and Title Jim Pappone				
	Telephone Number (including area code) 906-482-4575				Date 6/15/21				
	11. Transporter 2 Company Name				Driver Signature				
Complete Mailing Address				Printed Name and Title					
Telephone Number (including area code)				Date					
Disposal Site	12. Discrepancy Indication Space								
	13. Waste Disposal Site Owner or Operator Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval. Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.								
	Printed/Typed Name and Title Linda Thoreson Specialist				Signature <i>Linda Thoreson</i>			Date 6-15-21	



K&W Landfill  
 11877 HWY 38  
 Ontonagon, MI, 49953

Reprint  
 Ticket# 309268  
 Ph: 906-883-3504

Customer Name WMHOUHLG WM HOUGHTON RO 411 0 Carrier WMHOUHLG WM Houghton Hauling  
 Ticket Date 06/15/2021 Vehicle# 415618 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver Jim  
 Route Check#  
 Hauling Ticket# Billing# 0000151  
 Destination Grid  
 PO#

	Time	Scale	Operator	Inbound	Gross	63580 lb
In	06/15/2021 10:36:02	Scale	LThoreson		Tare	38620 lb
Out	06/15/2021 10:58:28	Scale	LThoreson		Net	24960 lb
					Tons	12.48

Comments USEPA GAY STAMP SAND  
 730 GAY LAC LABELLE RD GAY, MI

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Asb Friable-Tons-Asbesto	100	12.48	Tons				HOUGMI

Total Tax  
 Total Ticket

Driver's Signature

# WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

1-A. Special Waste Profile Number 128483MI		NESHAP Notified <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		WSR Number GS-003		Elevation _____ North _____ East _____	
1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code) US EPA Gay Stamp Sands. Brian Kelly 2565 Plymuth Rd. Ann Arbor MI 48105					1-C. Generator's Phone Number 734-740-9019		
1-D. Work Site Address 730 Gay Lac La Belle Rd Gay, MI 49950					1-E. 24 Hour Emergency Response Telephone Number 734-740-9019		
2. Operator's Name and Complete Mailing Address EQM 1800 Carillon Blvd Cincinnati OH 45240					Operator's Phone Number 513-519-8196		
3. Waste Disposal Site (WDS) Name and Complete Mailing Address K&W Landfill 11877 State Highway M38, Ontonagon, MI 49953					WDS Phone Number 906-883-3504		
4. Name and Address of Responsible Agency Michigan Dept. of Environmental Quality PO Box 30260, Lansing, MI 48909-7760							
5. Description of Materials							
Friable asbestos				RQ, NA2212, Asbestos, B, PGM		6. Containers No.	7. Total Quantity yds
non-friable asbestos				Cat I _____ Cat II _____		1 CM	20
8. Special Handling Instructions and Additional Information 24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED							
9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.							
Printed/Typed Name and Title Brian Kelly, OSC				Signature <i>Brian Kelly</i>		Date 6/17/21	
10. Transporter 1 Company Name WIM Houghton				Driver Signature <i>Jim Piiponen</i>			
Complete Mailing Address 401 Enterprise Dr. Houghton, MI 49930				Printed Name and Title Jim Piiponen			
Telephone Number (including area code) 906-482-4575				Date 6/17/21			
11. Transporter 2 Company Name				Driver Signature			
Complete Mailing Address				Printed Name and Title			
Telephone Number (including area code)				Date			
12. Discrepancy Indication Space							
13. Waste Disposal Site Owner or Operator Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval. Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.							
Printed/Typed Name and Title Linda Thoreson Specialist				Signature <i>Linda Thoreson</i>		Date 6-17-21	



K&W Landfill  
 11877 HWY 38  
 Ontonagon, MI, 49953

Reprint  
 Ticket# 309334  
 Ph: 906-883-3504

Customer Name WMHOUHLG WM HOUGHTON RO 411 0 Carrier WMHOUHLG WM Houghton Hauling  
 Ticket Date 06/17/2021 Vehicle# 415618 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver Jim  
 Route Check#  
 Hauling Ticket# Billing# 0000151  
 Destination Grid  
 PO#

In	06/17/2021 13:21:57	Scale	Operator	Inbound	Gross	70740 lb
Out	06/17/2021 13:34:53	Scale	LThoreson		Tare	37400 lb
					Net	33340 lb
					Tons	16.67

Comments USEPA GAY STAMP SANDS  
 730 GAY LAC LA BELLE RD GAY, MI

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Asb Friable-Tons-Asbesto	100	16.67	Tons				HOUGMI

Total Tax  
 Total Ticket

Driver's Signature

# WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

1-A. Special Waste Profile Number 128483MI		NESHAP Notified YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		WBR Number 35-004		Elevation _____ North _____ East _____	
1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code) US EPA Coy Stamp Sands. Brian Kelly 2565 Plymouth Rd. Ann Arbor MI 48105					1-C. Generator's Phone Number 734-740-9019		
1-D. Work Site Address 730 Coy Lae La Belle Rd Coy, MI 49950					1-E. 24 Hour Emergency Response Telephone Number 734-740-9019		
2. Operator's Name and Complete Mailing Address EQM 1800 Corillon Blvd Cincinnati OH 45240					Operator's Phone Number 513-519-8196		
3. Waste Disposal Site (WDS) Name and Complete Mailing Address K&W Landfill 11877 State Highway M38, Ontonagon, MI 49953					WDS Phone Number 906-883-3504		
4. Name and Address of Responsible Agency Michigan Dept. of Environmental Quality PO Box 30280, Lansing, MI 48909-7760							
5. Description of Materials							
6. Containers No.				7. Total Quantity yds			
8. Special Handling Instructions and Additional Information 24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED				9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.			
Printed/Typed Name and Title Brian Kelly, OSC				Signature Brian Kelly		Date 6/22/21	
10. Transporter 1 Company Name W/M Houshton				Driver Signature Jim Pippone			
Complete Mailing Address 401 Enterprise Drive Houshton MI 49931				Printed Name and Title Jim Pippone			
Telephone Number (including area code) 906-482-4575				Date 6/22/21			
11. Transporter 2 Company Name				Driver Signature			
Complete Mailing Address				Printed Name and Title			
Telephone Number (including area code)				Date			
12. Discrepancy Indication Space							
13. Waste Disposal Site Owner or Operator Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval. Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.							
Printed/Typed Name and Title Linda Thoreson Specialist				Signature Linda Thoreson		Date 6-22-21	



875-004



K&W Landfill  
11877 HWY 38  
Ontonagon, MI, 49953

Reprint  
Ticket# 309406  
Ph: 906-883-3504

Customer Name WMHOUHLG WM HOUGHTON RO 411 0 Carrier WMHOUHLG WM Houghton Hauling  
Ticket Date 06/22/2021 Vehicle# 415618 Container Volume  
Payment Type Credit Account Driver Jim  
Manual Ticket# Check#  
Route Billing# 0000151  
Hauling Ticket# Grid  
Destination  
PO#

	Time	Scale	Operator	Inbound	Gross	
In	06/22/2021 10:33:38	Scale	LThoreson		71180 lb	
Out	06/22/2021 10:51:51	Scale	LThoreson		38140 lb	
					Net	33040 lb
					Tons	16.52

Comments USEPA GAY STAMP SANDS  
730 GAY LAC LA BELLE RD GAY, MI

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Asb Friable-Tons-Asbesto	100	16.52	Tons				HOUGMI

Total Tax  
Total Ticket

Driver's Signature

# WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

1-A. Special Waste Profile Number 128483MI		NESHAP Notified <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		WSR Number GS-005		Elevation _____ North _____ East _____	
1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code) US EPA Coy Stamp Sands. Brian Kelly 2565 Plymouth Rd. Anna Archa MI 48105					1-C. Generator's Phone Number 734-740-9019		
1-D. Work Site Address 730 Coy Lac La Belle Rd Coy, MI 49950					1-E. 24 Hour Emergency Response Telephone Number 734-740-9019		
2. Operator's Name and Complete Mailing Address EQM 1800 Corillon Blvd Cincinnati OH 45240					Operator's Phone Number 513-519-8196		
3. Waste Disposal Site (WDS) Name and Complete Mailing Address K&W Landfill 11877 State Highway M38, Ontonagon, MI 49953					WDS Phone Number 906-883-3504		
4. Name and Address of Responsible Agency Michigan Dept. of Environmental Quality PO Box 30260, Lansing, MI 48909-7760							
5. Description of Materials							
stable asbestos				RQ, NA2212, Asbestos, 9, PCB		6. Containers No.	7. Total Quantity yds
non-stable asbestos				Cat I _____ Cat II _____		1	20 cu yds
							14.66 tons
8. Special Handling Instructions and Additional Information 24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED							
9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.							
Printed/Typed Name and Title Brian Kelly, OSC				Signature <i>Brian Kelly</i>		Date 6/22/21	
10. Transporter 1 Company Name W/M Houshton				Driver Signature <i>Jim P...</i>			
Complete Mailing Address 401 Enterprise DR. Houshton, MI 49931				Printed Name and Title Jim P...			
Telephone Number (including area code) 906-482-4575				Date 6/23/21			
11. Transporter 2 Company Name				Driver Signature			
Complete Mailing Address				Printed Name and Title			
Telephone Number (including area code)				Date			
12. Discrepancy Indication Space							
13. Waste Disposal Site Owner or Operator Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval. Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.							
Printed/Typed Name and Title Linda Thompson, Specialist Operations				Signature <i>Linda Thompson</i>		Date 6-22-21	

DCS-230-87

WHITE - Disposal Site

CANARY - Generator  
(To be mailed by Disposal Site)

PINK - Transporter

GOLD - Generator  
(To be taken prior to disposal)

ETS-005



K&W Landfill  
11877 HWY 38  
Ontonagon, MI, 49953

Reprint  
Ticket# 309420  
Ph: 906-883-3504

Customer Name WMHOUHLG WM HOUGHTON RO 411 0 Carrier WMHOUHLG WM Houghton Hauling  
Ticket Date 06/22/2021 Vehicle# 415618 Container Volume  
Payment Type Credit Account Driver Jim  
Manual Ticket# Check#  
Route Billing# 0000151  
Hauling Ticket# Grid  
Destination  
PO#

	Time	Scale	Operator	Inbound	Gross	
In	06/22/2021 14:05:53	Scale	LThoreson		67820 lb	
Out	06/22/2021 14:17:55	Scale	LThoreson		38500 lb	
					Net	29320 lb
					Tons	14.66

Comments USEPA GAY STAMP SANDS  
730 GAY LACLA BELLE RD GAY, MI

Product	LD%	Qty	UCM	Rate	Tax	Amount	Origin
1 Asb Friable-Tons-Asbesto	100	14.66	Tons				HOUGMI

Total Tax  
Total Ticket

Driver's Signature

# WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

1-A. Special Waste Profile Number 128483MI		NESHAP Notified <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		WSR Number 65-006		Elevation _____ North _____ East _____												
1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code) US EPA Coy Stamp Sands. Brian Kelly 2565 Plymouth Rd. Ann Arbor MI 48105					1-C. Generator's Phone Number 734-740-9019													
1-D. Work Site Address 730 Coy Lee La Belle Rd Coy, MI 49950					1-E. 24 Hour Emergency Response Telephone Number 734-740-9019													
2. Operator's Name and Complete Mailing Address EOM 1800 Corillon Blvd Cincinnati OH 45240					Operator's Phone Number 513-519-8196													
3. Waste Disposal Site (WDS) Name and Complete Mailing Address K&W Landfill 11877 State Highway M38, Ontonagon, MI 49953					WDS Phone Number 906-883-3504													
4. Name and Address of Responsible Agency Michigan Dept. of Environmental Quality PO Box 30260, Lansing, MI 48909-7760																		
5. Description of Materials						6. Containers		7. Total Quantity										
<table border="1"> <tr> <td>friable asbestos</td> <td>RG, NA2212, Asbestos, &amp; PGEI</td> <td>1</td> <td>EM</td> <td>20 c. yds</td> </tr> <tr> <td>non-friable asbestos</td> <td>Cat I _____ Cat II _____</td> <td></td> <td></td> <td>14.12 tons</td> </tr> </table>						friable asbestos	RG, NA2212, Asbestos, & PGEI	1	EM	20 c. yds	non-friable asbestos	Cat I _____ Cat II _____			14.12 tons	No. Type		yds
friable asbestos	RG, NA2212, Asbestos, & PGEI	1	EM	20 c. yds														
non-friable asbestos	Cat I _____ Cat II _____			14.12 tons														
8. Special Handling Instructions and Additional Information 24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED																		
9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.																		
Printed/Typed Name and Title Brian Kelly, OSC				Signature Brian Kelly		Date 6/23/21												
10. Transporter 1 Company Name WM Houghton				Driver Signature Jim Piipponen														
Complete Mailing Address 401 Enterprise Drive Houghton MI 49931				Printed Name and Title Jim Piipponen														
Telephone Number (including area code) 906-482-4595				Date 6/23/21														
11. Transporter 2 Company Name				Driver Signature														
Complete Mailing Address				Printed Name and Title														
Telephone Number (including area code)				Date														
12. Discrepancy Indication Space																		
13. Waste Disposal Site Owner or Operator Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval. Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.																		
Printed/Typed Name and Title Linda Thoreson, Operations Specialist				Signature Linda Thoreson		Date 6-23-21												

GS-006



K&W Landfill  
11877 HWY 38  
Ontonagon, MI, 49953

Reprint  
Ticket# 309434  
Ph: 906-883-3504

Customer Name WMHOUHLG WM HOUGHTON RO 411 0 Carrier WMHOUHLG WM Houghton Hauling  
Ticket Date 06/23/2021 Vehicle# 415618 Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver Jim  
Route Check#  
Hauling Ticket# Billing# 0000151  
Destination Grid  
PO#

In	06/23/2021 09:43:54	Scale	Operator	Inbound	Gross	66340 lb
Out	06/23/2021 09:56:10	Scale	LThoreson		Tare	38100 lb
			LThoreson		Net	28240 lb
					Tons	14.12

Comments USEPA GAY STAMP SANDS  
730 GAY LACLABELLE RD GAY, MI

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Asb Friable-Tons-Asbesto	100	14.12	Tons				HOUGMI

Total Tax  
Total Ticket

Driver's Signature

# WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

1-A. Special Waste Profile Number 128483MI		NESHAP Notified YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		WSR Number 65-007		Elevation _____ North _____ East _____	
1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code) US EPA Coy Stamp Sands. Brian Kelly 2565 Plymouth Rd. Andover MA 018105					1-C. Generator's Phone Number 734-740-9019		
1-D. Work Site Address 730 Coy Lac La Belle Rd Coy, MI 49950					1-E. 24 Hour Emergency Response Telephone Number		
2. Operator's Name and Complete Mailing Address EQM 1800 Corillon Blvd Cincinnati OH 45240					Operator's Phone Number 513-519-8196		
3. Waste Disposal Site (WDS) Name and Complete Mailing Address K&W Landfill 11877 State Highway M38, Ontonagon, MI 49953					WDS Phone Number 906-883-3504		
4. Name and Address of Responsible Agency Michigan Dept. of Environmental Quality PO Box 30260, Lansing, MI 489090-7760							
5. Description of Materials							
Friable asbestos				RQ, NA2212, Asbestos, B, PG2II		6. Containers No.	7. Total Quantity yds
non-friable asbestos				Cat I _____ Cat II _____		1	200 yds
							18.08 tons
8. Special Handling Instructions and Additional Information 24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED							
9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.							
Printed/Typed Name and Title Brian Kelly, OSC				Signature Brian Kelly		Date 6/24/21	
10. Transporter 1 Company Name W/M Houshka					Driver Signature Jim Piipponen		
Complete Mailing Address 401 Enterprise Drive Houshka MI 49931					Printed Name and Title Jim Piipponen		
Telephone Number (including area code) 906-482-4575					Date 6/24/21		
11. Transporter 2 Company Name					Driver Signature		
Complete Mailing Address					Printed Name and Title		
Telephone Number (including area code)					Date		
12. Discrepancy Indication Space							
13. Waste Disposal Site Owner or Operator Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval. Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.							
Printed/Typed Name and Title Linda Thompson Specialist				Signature Linda Thompson		Date 6-24-21	

C15-007



K&W Landfill  
11877 HWY 38  
Ontonagon, MI, 49953

Reprint  
Ticket# 309477  
Ph: 906-883-3504

Customer Name WMHOUHLG WM HOUGHTON RO 411 0 Carrier WMHOUHLG WM Houghton Hauling  
Ticket Date 06/24/2021 Vehicle# 415618 Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver Jim  
Route Check#  
Hauling Ticket# Billing# 0000151  
Destination Grid  
PO#

In	06/24/2021 11:46:04	Scale	Operator	Inbound	Gross	74400 lb
Out	06/24/2021 12:02:21	Scale	LThoreson		Tare	38240 lb
			LThoreson		Net	36160 lb
					Tons	18.08

Comments USEPA GAY STAMP SANDS  
730 GAY LACLABELLE RD GAY, MI

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Asb Friable-Tons-Asbesto	100	18.08	Tons				HOUGMI

Total Tax  
Total Ticket

Driver's Signature

# WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

1-A. Special Waste Profile Number 128483MI		NESHAP Notified <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		WSR Number G5-008		Elevation _____ North _____ East _____	
1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code) US EPA Coy Stamp Sands. Brian Kelly 2565 Plymouth Rd. Ann Arbor MI 48105					1-C. Generator's Phone Number 734-740-9019		
1-D. Work Site Address 730 Coy Loc La Belle Rd Coy, MI 49957					1-E. 24 Hour Emergency Response Telephone Number 134-740-9019		
2. Operator's Name and Complete Mailing Address EOM 1800 Corillon Blvd Cincinnati OH 45240					Operator's Phone Number 513-519-8196		
3. Waste Disposal Site (WDS) Name and Complete Mailing Address K&W Landfill 11877 State Highway M38, Ontonagon, MI 49953					WDS Phone Number 906-883-3504		
4. Name and Address of Responsible Agency Michigan Dept. of Environmental Quality PO Box 30260, Lansing, MI 48909-7760							
5. Description of Materials							
stable asbestos				RC, NR2212, Asbestos, 8, PGM		6. Containers No. Type	
non-stable asbestos				Cat I _____ Cat II _____		1 CR 1 CM	
7. Total Quantity yds 20 cu yds 17.10 tons							
8. Special Handling Instructions and Additional Information 24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED							
9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.							
Printed/Typed Name and Title Brian Kelly, OSC				Signature Brian Kelly		Date 6/25/21	
10. Transporter 1 Company Name W/M Houshton				Other Signature Jim P... Printed Name and Title Jim P... Date 6/25/21			
Complete Mailing Address 401 Enterprise Drive Houshton MI 49931				Telephone Number (including area code) 906-482-4575			
11. Transporter 2 Company Name				Driver Signature			
Complete Mailing Address				Printed Name and Title			
Telephone Number (including area code)				Date			
12. Discrepancy Indication Space							
13. Waste Disposal Site Owner or Operator Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval. Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.							
Printed/Typed Name and Title Linda Horeson Specialist				Signature Linda Horeson		Date 6-25-21	

DCS-230-97

WHITE - Disposal Site

CAREFUL - Generator  
(To be mailed by Disposal Site)

PEEK - Transporter

GOLD - Generator  
(To be taken prior to disposal)





K&W Landfill  
 11877 HWY 38  
 Ontonagon, MI, 49953

Reprint  
 Ticket# 309498  
 Ph: 906-883-3504

Customer Name WMHOUHLG WM HOUGHTON RO 411 0 Carrier WMHOUHLG WM Houghton Hauling  
 Ticket Date 06/25/2021 Vehicle# 415618 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver Jim  
 Route Check#  
 Hauling Ticket# Billing# 0000151  
 Destination Grid  
 PO#

	Time	Scale	Operator	Inbound	Gross	71700 lb
In	06/25/2021 09:43:02	Scale	LThoreson		Tare	37500 lb
Out	06/25/2021 11:30:45	Scale	LThoreson		Net	34200 lb
					Tons	17.10

Comments USEPA GAY STAMP SANDS  
 730 GAY LACLABELLE RD GAY, MI pto not working waiting for mechanic

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Asb Friable-Tons-Asbesto	100	17.10	Tons				HOUGMI

Total Tax  
 Total Ticket

Driver's Signature

# WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

1-A. Special Waste Profile Number 128483MI		NESHAQ Notified <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		WSR Number GS-009		Elevation _____ North _____ East _____	
1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code) US EPA Gey Stamp Sands. Brian Kelly 2565 Plymouth Rd. Ann Arbor MI 48105					1-C. Generator's Phone Number 734-740-9019		
1-D. Work Site Address 730 Gey Lee La Belle Rd Gey, MI 49957					1-E. 24 Hour Emergency Response Telephone Number 734-740-9019		
2. Operator's Name and Complete Mailing Address EQM 1800 Carillon Blvd Cincinnati OH 45240					Operator's Phone Number 513-519-8196		
3. Waste Disposal Site (WDS) Name and Complete Mailing Address K&W Landfill 11877 State Highway M38, Ontonagon, MI 49953					WDS Phone Number 906-883-3504		
4. Name and Address of Responsible Agency Michigan Dept. of Environmental Quality PO Box 30260, Lansing, MI 48909-7760							
5. Description of Materials							
stable asbestos				RC, NA2212, Asbestos, 9, PCB		8. Containers No.	7. Total Quantity yd3
non-stable asbestos				Cat I _____ Cat II _____		1 TEL 1 CM	20
							19.47 tons
8. Special Handling Instructions and Additional Information 24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED							
9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.							
Printed/Typed Name and Title Brian Kelly, OSC				Signature Brian Kelly		Date 6-29-21	
10. Transporter 1 Company Name Wim Houshton				Driver Signature Jim M... ..			
Complete Mailing Address 401 Enterprise Drive Houshton MI 49431				Printed Name and Title Jim M... ..			
Telephone Number (including area code) 906-482-4575				Date 6/29/21			
11. Transporter 2 Company Name				Driver Signature			
Complete Mailing Address				Printed Name and Title			
Telephone Number (including area code)				Date			
12. Discrepancy Indication Space							
13. Waste Disposal Site Owner or Operator Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval. Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.							
Printed/Typed Name and Title Linda Thoreson Specialist				Signature Linda Thoreson		Date 6-29-21	



K&W Landfill  
 11877 HWY 38  
 Ontonagon, MI, 49953

Reprint  
 Ticket# 309567  
 Ph: 906-883-3504

Customer Name WMHOUHLG WM HOUGHTON RO 411 0 Carrier WMHOUHLG WM Houghton Hauling  
 Ticket Date 06/29/2021 Vehicle# 415618 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver Jim  
 Route Check#  
 Hauling Ticket# Billing# 0000151  
 Destination Grid  
 PO#

	Time	Scale	Operator	Inbound	Gross	
In	06/29/2021 11:03:34	Scale	LThoreson		77000 lb	
Out	06/29/2021 11:22:24	Scale	LThoreson		38060 lb	
					Net	38940 lb
					Tons	19.47

Comments USEPA GAY STAMP SANDS  
 730 GAY LACLABELLE RD GAY, MI

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Asb Friable-Tons-Asbesto	100	19.47	Tons				HOUGMI

Total Tax  
 Total Ticket

Driver's Signature