Request for Environmental and IH Laboratory Analytical Services

ATTENTION TO:

Purchase Order No.:

Client Job No.: **Rock Hill Quarry**

Lab Use Only
Project No.: Client No:
Date Logged In: Logged In By:

Date Results Needed: Std. TAT

Rush Charges Authorized ? (check one): ☐ YES ☒ NO

Report Results To
Name: Andrew Gutshall
Company: Hanson Aggregates Pa, LLC
Address: 7660 Imperial Way
City, State, Zip: Allentown, PA 18195
Phone: 610-366-4819 Fax:
Email Results To: Andrew.Gutshall@LehighHanson.com

Drinking Water Sample Only
Sample Purpose: Information ☐ Regulatory ☐ Accreditation (please list below): N/A
System ID #: N/A
DOH Source #: N/A
Multiple Sources #s: N/A
Sample Purpose: A ☐ B ☐ Other ☐ N/A

Invoice To
Name: If a hard copy of invoice is needed, check here ☐
Company: Email:
Address:
City, State, Zip:
Phone: Fax:

Chemistry Analysis Key

Preservation:		Matrix:		Container:
Unpres	H_2SO_4	WW=Wastewater	SW=Surface Water	P=Plastic
4°C	HCl	GW=Groundwater	DW=Drinking Water	G=Glass
HNO_3	NaOH	S=Soil/Sludge	O=Oil	W=Wipe
Other	Na_2SO_4	E=Extract	X=Other	A=Air (filter or tube)

Special Instructions: Invoice per project setup with Drew Van Orden

Client Sample ID	Sample Description	Sample Date	Sample Time Start	Sample Time Stop	Wipe Area / Air Volume	Sample Location (Please specify if NY state)	Analysis Requested: NOA Per EPA Method 100.2	Pres. Upon Receipt (Y/N)	Preservation	Matrix	Container Type	pH	No. Containers
1	NPDES Outfall	4/18	9:41	Grab	N/A	N/A	✓		Ice	SW	P	7.0	1
2	Sed. Trap 2	4/18	9:55	Grab	N/A	N/A	✓		Ice	SW	P	7.2	1
3	Sed. Basin 2	4/18	10:12	Grab	N/A	N/A	✓		Ice	SW	P	7.7	1
4	Sed. Basin 1	4/18	10:25	Grab	N/A	N/A	✓		Ice	SW	P	7.8	1
5	Quarry Pit	4/18	10:50	Grab	N/A	N/A	✓		Ice	SW	P	8.0	1
6	Sed. Trap 1	4/18	11:05	Grab	N/A	N/A	✓		Ice	SW	P	8.2	1
7	Sed. Trap 3	4/18	11:15	Grab	N/A	N/A	✓		Ice	SW	P	8.0	1

Chain of Custody
Relinquished By (Signature): Lou Vittorio Date: 4/18/19 Time: 12:30
Relinquished By (Print Name): Lou Vittorio Relinquished To:
Company Name: Earthres Method of Shipment: Fedex

Chain of Custody
Received By (Signature): Liz Varley Date: 4/19/19 Time:
Received By (Print Name): Liz Varley Relinquished To:
Company Name: RJLG Method of Shipment:

Chain of Custody
Relinquished By (Signature): Date: Time:
Relinquished By (Print Name): Relinquished To:
Company Name: Method of Shipment:

Chain of Custody
Received By (Signature): Date: Time:
Received By (Print Name): Relinquished To:
Company Name: Method of Shipment:

Pennsylvania - HQ
350 Hochberg Road
Monroeville, PA 15146

724.325.1776 **Phone**
724.733.1799 **Fax**

Washington
Columbia Basin Analytical Laboratories
2710 North 20th Avenue
Pasco, WA 99301

509.545.4989 **Phone**
509.544.6010 **Fax**

RJ LEE GROUP
DELIVERING SCIENTIFIC RESOLUTION

Attachment 1

Sample Analysis Procedures and Methods

For obtaining a representative sample from a large bulk sample, the AASHTO procedures for reducing the sample should be used. The subsequent analyses of the submitted samples will follow a three step procedure: 1) Basic microscopic analysis to assess the presence of asbestiform mineral habitat; 2) Polarized Light Microscopy (PLM) to determine the presence and asbestos mineral type, if present; and, 3) Should positive results be indicated by PLM, follow-up Transmission Electron Microscopy (TEM) analysis will be completed to confirm the minerals present and their morphology. The techniques and methods to be employed in sample analysis are provided below:

- A geologist will inspect hand and core samples initially using a stereo binocular microscope, with magnification ranging from 10x to 60x. Using a fine steel pick (dental pick) the geologist will scrape the surface of the suspect mineralization to determine if any of the minerals display typical asbestiform habit and characteristics such as fiber bundles, splayed ends, or matted or fibrous masses.

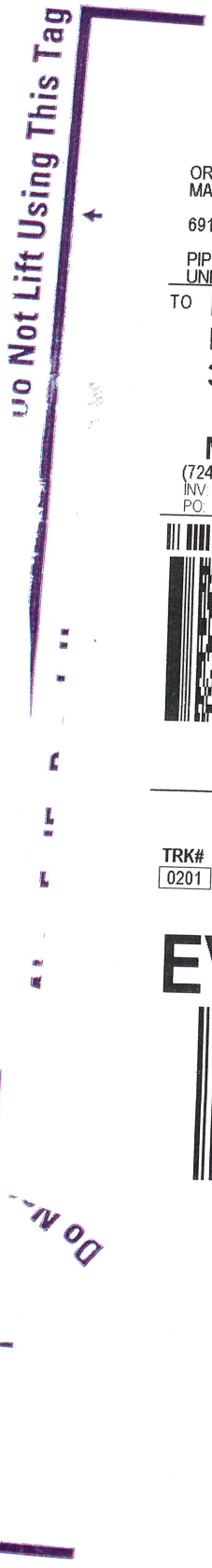
- Further examination of the sample will then be conducted using the Polarized Light Microscope (PLM) using EPA 600/R-93/116.

- If asbestiform minerals are found, representative samples will be further analyzed by Transmission Electron Microscopy per EPA 600/R-93/116 to confirm mineral identification and morphology.

- Where appropriate, the microscopic PLM and/or TEM analyses will include a count of the asbestiform fibers, representative digital images, and measurements of the width and length dimensions of found fibers counted.

Water samples will be collected as grab samples and will be analyzed by TEM per EPA 100.2.

The samples will be analyzed using the above procedures by RJ Lee Group, which is accredited by the American Industrial Hygiene Association and is in the NIST National Voluntary Laboratory Accreditation Program for asbestos analysis. RJ Lee Group has mineralogical expertise and has vast experience to detect asbestos fibers in the natural environment (e.g. rocks, soils, water, etc.).



ORIGIN ID:ABEA (215) 766-1211
MARY SHIREL

6912 OLD EASTON ROAD

PIPERSVILLE, PA 18947
UNITED STATES US

SHIP DATE: 18APR19
ACTWGT: 36.00 LB
CAD: 106811403/INET4100

BILL SENDER

TO DREW VAN ORDEN
RJ LEE GROUP
350 HOCHBERG ROAD

MONROEVILLE PA 15146
(724) 325-1776
INV:
PO:
REF: 061003.051 (01)
DEPT: PA

565J1/D7E5/23AD

FedEx Express

FRI - 19 APR 3:00P
STANDARD OVERNIGHT

TRK# 0201 7750 0859 6031

EV LBEA

15146
PA-US PIT