



SYRACUSE UNIVERSITY

ENVIRONMENTAL HEALTH AND SAFETY SERVICES OFFICE

Date: July 23, 2015
To: File (Asbestos Incident File and CoE Incident File)
From: Rebecca Ponza, Environmental Compliance Programs Manager *RJP*
Subject: Riccelli Truck Spill of Asbestos Soils from CoE ITC Construction Site

Monday June 22, 2015

At 10:34 AM on Monday June 22, 2015, a Riccelli dump truck (Truck 345 with NYS License Plate 19965 MD) left the Center of Excellence (CoE) Intermodal Transportation Center (ITC) construction project site and proceeded down Erie Boulevard heading west.^{1,2} The truck was loaded with soils and debris, assumed to potentially contain asbestos, excavated from the ITC site's pre-characterized sampling grid sections B11 and A11 and destined for disposal (WSR# 111) at the Seneca Meadows Landfill. The only detectable contaminate identified in these grids during pre-disposal characterization sampling was a low level of lead (0.38 and 0.14 ppm). No volatile organic compounds were stated to have been detected in the soil/debris excavated from these grids during field screening with a Photo-ionization detector.

As the truck proceeded down Erie Blvd. and neared the McBride Street intersection, the driver indicated that he believes he hit a bump in the road which may have caused the truck's tailgate to open (i.e. tail gate latch disengaged). Soil/debris spilled out from the truck bed onto the west lane of Erie Blvd starting about 50' east of the McBride St. Intersection. The driver said he did not immediately notice the spill and continued to drive west down Erie Blvd. He stated that at the Townsend St. intersection he stopped at the traffic light and when he re-accelerated the tail gate must have re-opened releasing more soils and debris onto the road. The driver indicated that as he drove away from the Townsend St. intersection he noticed (in his side-view mirror) debris on the road behind his truck and immediately stopped the truck at the corner of Erie Blvd and State St. (Area Map Attached).

The Riccelli driver stated upon identifying that the material on the road had fallen out of his truck he immediately notified his supervisor at Riccelli and then took action to prevent traffic from driving over the spilled debris. Riccelli notified the environmental contractor performing the excavation at the ITC site, NRC-OpTech Environmental (site supervisor named Cory Gilpin), of the release and OpTech notified CBD, the general contractor for the ITC project. CBD (Todd Gerbsch) immediately notified Becky Ponza from the University's Environmental Health and Safety Services Office of the situation. Excavation activities at the CoE ITC site were shut down and OpTech's ITC site workers headed to the spill site. Syracuse DPW was

¹ The ITC site is located at 727 East Washington St., a historic "brownfield" parcel being redeveloped by Syracuse University (NYS DEC Site #B00003).

² Prior to excavation, the soils at the ITC site were pre-characterized for disposal through a series of test pits (excavated in 82 site sampling grid sections) from which composite soil samples were obtained and analyzed (TCLP) for various metal, volatile and semi-volatile contaminants.

notified (by Riccelli) and arrived at the site to assist in setting up the traffic controls to redirect the traffic away from the incident. Erie Blvd's west bound lanes from just east of McBride St. to State St. were shut down while the clean-up was performed.

Upon receiving notification of the spill, Becky Ponza contacted Mike Culligan, SU Physical Plant Environmental Shop Supervisor and Asbestos Abatement coordinator. Mike contacted NYS Department of Labor's local asbestos division and spoke with Rick Heffernan about the situation. Mr. Heffernan indicated he would proceed to the scene to observe the situation and advise on required actions to address the assumed asbestos in the released soil/debris. Mr. Heffernan arrived (~11:15 AM) at the scene and met with Ms. Ponza. He reviewed the debris field and advised that clean-up activities could commence immediately without submitting an asbestos variance or emergency notification to NYS DOL. He advised that Clean-up be performed following standard asbestos Clean-up protocols, using wet methods and NYS Certified asbestos handlers. He advised that personal air samples (asbestos worker monitoring) should be collected. He left the site at approximately 11:30 AM and telephone Ms. Ponza shortly after to request that environmental air monitoring (perimeter of Clean-up area) also be performed during the Clean-up. He indicated that the number and locations of the environmental air samples should be determined by SU's asbestos air monitoring firm (i.e. Envirologic).

Ms. Ponza also contacted Chris Mannes at NYS DEC Region 7 (NYS DEC Remediation Engineer involved in the CoE site redevelopment project) at approximately 11:15 AM and forwarded him photographs of spill. Mr. Mannes advised that the spill had already been call into the NYS DEC's spill hot line (by Syracuse Police Department) and that spill number 1503139 was issued. Kevin Kemp and Dick Brazell from NYS DEC Region 7's Spill Response Division arrived at the scene about 12:00. Chris Mannes arrived shortly after them. They all reviewed the debris spill and did not visually observe anything they felt was of heightened concern (aside from the asbestos concern addressed with NYS DOL). They did not provide any specific clean-up guidance or requirements and found the clean-up plan discussed with NYS DOL (wet the debris and sweep and shovel into bags using NYS certified asbestos handlers) to be acceptable. Mr. Mannes remained on the scene through the majority of the clean-up activities.

NYS DEC Environmental Conservation Officer, Paul Sherman, arrived on the scene and spoke with Mr. Brazell and Mr. Mannes. He also spoke at length with the Riccelli truck driver. When he left the scene he advised that he was going to review the situation with his supervisor and make a determination if a ticket would be issued to the truck driver (the following day Riccelli's general manager indicated that he was not aware of a ticket being issued yet).

At approximately 12:30 PM, OpTech delivered a portable asbestos personnel decontamination trailer to the impacted area and parked it by the debris field area on Erie Blvd. East near the intersection of Townsend. OpTech then proceeded to tape off the impacted areas around the spilled debris with asbestos tape and signage. The restricted area was established south to the east bound lane of Erie Blvd and north past the sidewalk along the westbound land of Erie Blvd. Drain covers were placed over the storm sewer drain grates within the affected section of Erie Blvd. and the debris field on the road was covered with plastic sheeting. A water truck was provided by Riccelli for use in wetting down the debris during Clean-up.

Envirologic arrived at the site around 12:45 PM and determined that three environmental air sampling pumps would be set up along the perimeter of the impacted areas. One pump was set up at the intersection of McBride Street, one pump was set up between McBride and Townsend Streets and one pump was set up near the intersection of State Street. Mike Culligan also arrived at the scene around 1:00

PM and coordinated with Envirologic. He later received a phone call from NYS DOL (Rick Heffernan) advising that although clean-up activities had already commenced, NYS DOL's central office was requesting an emergency notification and variance be submitted. Mr. Heffernan indicated that if the NYS DOL Central Office's variance approval deviated from the clean-up methods he approved for the incident, he would take responsibility for the deviation(s). Mr. Culligan advised Envirologic to complete and submit the variance for the incident clean-up and he advised Op-Tech to submit the emergency notification to NYS DOL. The emergency notification and variance were submitted that evening.

Mr. Culligan and Ms. Ponza inspected the back of the Riccelli truck and discussed the possible cause of the opened tail gate with CBD representatives (Todd Gerbsch and James Wade). CBD indicated that when a Riccelli truck enters the ITC, no site workers open or close the tail gate. The trucks are lined with plastic sheeting by Op-Tech and then waste is loaded in from the top of the truck bed. CBD indicated that they believed it was the responsibility of the truck driver to ensure his truck tail gate was secured before entering the site. CBD noted that they had photos of the truck leaving the site and the tail gate was closed when it left. They noted however that the truck was not equipped with "turn buckles" that would have provided extra security for the lift gate. Mr. Culligan and Ms. Ponza went over to the truck and observed that the turn buckles were not present. They also observed that the required (per NYS asbestos regulations) plastic lining of the truck bed did not appear to be complete. It appeared that the back of the truck was not properly lined with plastic sheeting (i.e. it was lined like an enchilada instead of like a burrito so the back end was not fully enclosed) which allowed the debris to easily spill out when the tail gate opened. Mr. Culligan and Ms. Ponza noted their observations to CBD (James Wade, CBD's Project Manager) and OpTech (Celine Hanna, OpTech's ITC Site Project Manager).

The clean-up of the spilled debris commenced at approximately 1:30 PM beginning at the McBride St. intersection (between Almond and McBride Streets). NYS Certified asbestos handlers from OpTech performed the clean-up. Some of OpTech's personnel wore personal asbestos air monitors. OpTech used water from a Riccelli water truck to wet the material prior to sweeping and picking up the material. The material was bagged and loaded into a small OpTech dump truck that had been lined with plastic. A project monitor from Envirologic observed the clean-up activities and performed a visual inspection of the area for clearance. Chris Mannes (NYS DEC) also performed a visual assessment of the cleaned areas. The first section between Almond and McBride was completed and cleared by NYS DOL and NYS DEC around 3:00 PM. The barriers were removed from the intersection at Almond and Erie Blvd and relocated to the west side of the intersection of McBride and Erie. That section of Erie Blvd between Almond and McBride was reopened to traffic at approximately 3:05 PM.

At approximately 3:10 PM, OpTech began clearing the debris on the road between McBride and Townsend St. This section of Erie Blvd. had minor amounts of debris scattered along it. This section of Erie Blvd. was cleaned and cleared by Envirologic and NYS DEC at approximately 4:00 PM. The decontamination trailer that was in this section of Erie Blvd. was relocated across the intersection to just north of Townsend and the barriers were taken down. This section of Erie Blvd. was reopened to traffic at approximately 4:15 PM.

OpTech then proceeded to complete the clean-up of the last impacted section of Erie Blvd. from Townsend St. to the Riccelli truck parked just before the State St. intersection. When the debris clean-up was completed, plastic sheeting was placed below the tail gate of the Riccelli truck and the tail gate of the truck was opened by hand. A small amount of debris was removed from the truck and bagged to allow the tail gate to be closed. Once the tail gate was secured the truck was driven back to the ITC project site. This section of the road clean-up was completed and subsequently cleared by Envirologic at approximately 5:20 PM (NYS DEC had left the site prior to completion of this section of clean-up). Op-Tech's dump truck,

decon shower, water truck and small truck that were used during the incident to hold the bags of cleaned up debris were taken to the ITC site. The cones and barrier tape were removed and normal traffic was restored to the west bound lanes of Erie Blvd at approximately 5:30 PM.

When the Riccelli truck arrived back at the ITC site, the remaining soil and debris in the dump truck was dumped back on the ITC site's excavation area (covered with plastic sheeting). The Clean-up debris bags from OpTech's small dump truck were removed and also placed on the ITC site. Both of these vehicles, plus the water truck, were decontaminated and left the site. The ITC site was secured at 6:20 PM. Excavation and shipping activities were temporarily halted at the CoE site until actions to prevent reoccurrence of this incident were put in place.

Tuesday June 23, 2015

The results of the perimeter environmental asbestos air monitoring were received on Tuesday June 23rd. The results of all three air samples indicated no detectable asbestos.

A post incident follow up meeting was held at 8 AM on Tuesday June 23rd. Mike Culligan, Becky Ponza, Jim Blum (SU CPDC), and representatives from Optech, Riccelli and Envirologic were present at the meeting. The incident and clean-up actions were reviewed and the following corrective actions to prevent recurrence were agreed to:

- Riccelli (Gavin Kilpatrick, General Manager) agreed to enforce their policy of requiring turnbuckles be in place on all truck transporting hazardous materials. He indicated that all trucks transporting waste from CoE will have the required turnbuckles.
- CBD (James Wade) indicated that they will add a verification of the "turn buckles" to the Waste Shipping Record (comments section). CBD staff will observe each truck entering into the CoE site and note that the lift gate is closed and the turnbuckles are present and engaged in the comments section of the WSR handed to the truck driver. CBD will then require the truck driver to initial the WSR to indicate that the lift gate is closed and the turnbuckles are engaged. CBD will also continue to take a photograph of the front and back of each truck leaving the CoE site.
- OpTech (Celine Hanna and Eric Hoban) stated that they will ensure that their CoE site staff are reminded of the proper means of lining each truck. They will also ensure that each truck is properly and completely lined (all 4 sides) in accordance with NYS DOL regulations, before any waste is loaded into the truck and then again prior to leaving the CoE site.
- Envirologic will visually observe each truck (from the ground level) before any material is loaded into the truck to ensure that the lining appears to be sufficient.

At the conclusion of the follow up meeting, Jim Blum and Becky Ponza approved resumption of site excavation and shipping for the next day.

Wednesday June 24, 2015

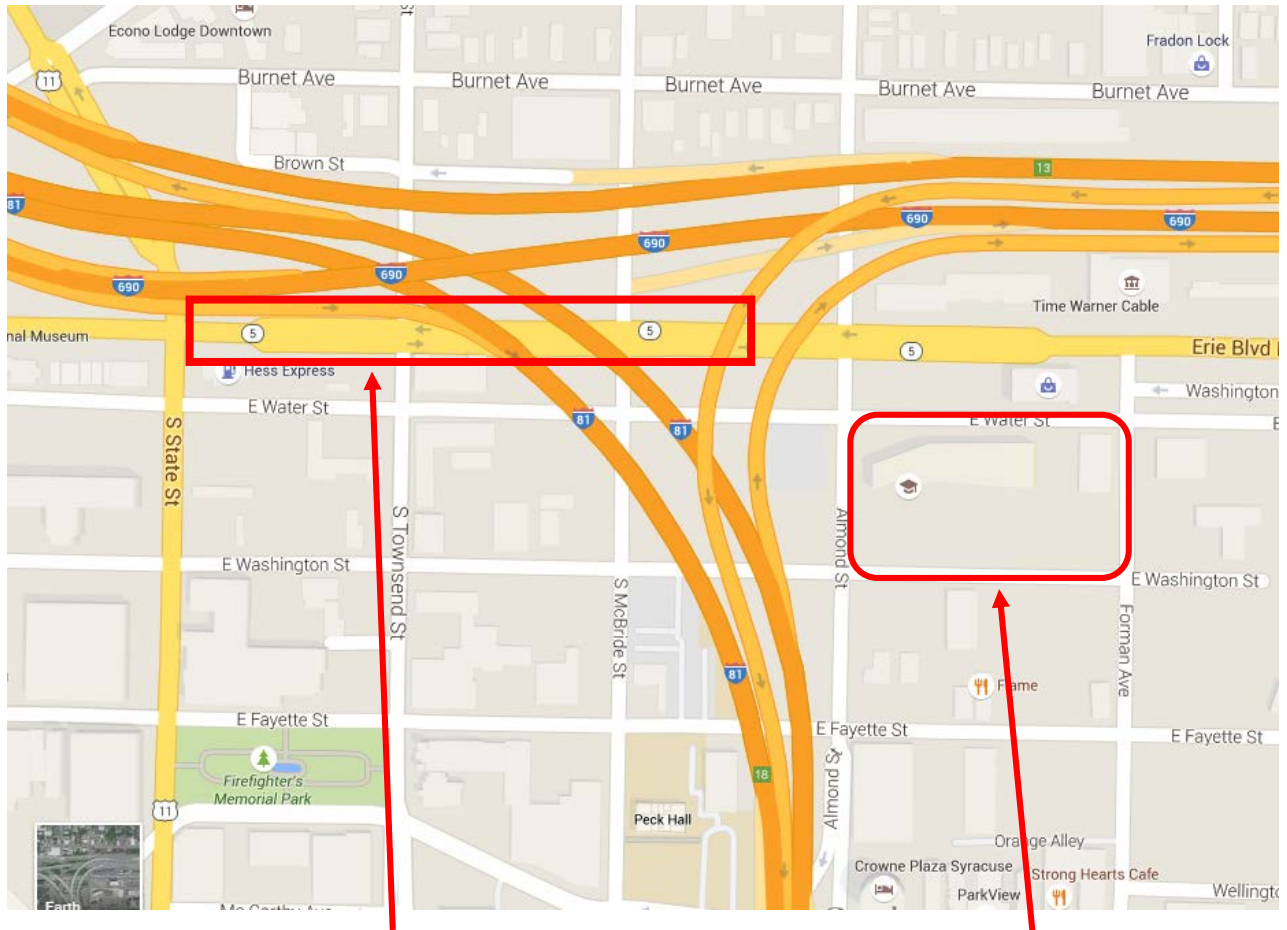
On Wednesday, June 24th, the soil/debris that had been in the Riccelli truck at the time of the incident (and later dumped back onto the CoE site) and the bags of the debris that were generated during the incident Clean-up, were loaded into a lined Riccelli trucks and taken to Seneca Meadows Landfill for disposal. The Waste Shipping Record for this load was WSR # 118.

Cc: J. McCumber

Attachments

- Attachment 1 - Map of Erie Blvd. Spill Area
 - Attachment 2 - Pre-Characterization Sampling Results for Grids A11 and B11
 - Attachment 3 - WSR #111 (Riccelli Truck that left ITC site on 6/22/15 and spilled debris on Erie Blvd.)
 - Attachment 4 - Shipping Log for WSR #111
 - Attachment 5 - NYS DOL Approved Variance for Spill Clean-up
 - Attachment 6 - Environmental Air Sampling Analysis Results
 - Attachment 7 - WSR #118 (Remaining waste from Truck that spilled and waste from clean-up)
 - Attachment 8 - Landfill Confirmation of Receipt of Waste Shipped in WSR #118
 - Attachment 9 - Incident Photographs
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Attachment 1 – Map of Erie Blvd. Spill Area



Location of Riccelli Truck Spill on Erie Blvd. (west bound lanes)

Syracuse University CoE ITC Site

Attachment 2 - Pre-Characterization Sampling Results for Grid A11 and B11



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State Certifications: DE ID 11, MA PA0102, MD 128, VA 460157, WV 343

ANALYTICAL RESULTS

Workorder: 2072824 2015-SYRACUSE UNIVERSITY COE I

Lab ID: 2072824006

Date Collected: 5/22/2015 12:40

Matrix: Solid

Sample ID: A11

Date Received: 5/23/2015 10:20

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
TCLP VOLATILE ORGANICS									
Benzene	ND		ug/L	20.0	SW846 8260B		5/29/15 18:56	TMP	A
2-Butanone	ND		ug/L	200	SW846 8260B		5/29/15 18:56	TMP	A
Carbon Tetrachloride	ND		ug/L	20.0	SW846 8260B		5/29/15 18:56	TMP	A
Chlorobenzene	ND		ug/L	20.0	SW846 8260B		5/29/15 18:56	TMP	A
Chloroform	ND		ug/L	20.0	SW846 8260B		5/29/15 18:56	TMP	A
1,2-Dichloroethane	ND		ug/L	20.0	SW846 8260B		5/29/15 18:56	TMP	A
1,1-Dichloroethene	ND		ug/L	20.0	SW846 8260B		5/29/15 18:56	TMP	A
Tetrachloroethene	ND		ug/L	20.0	SW846 8260B		5/29/15 18:56	TMP	A
Trichloroethene	ND		ug/L	20.0	SW846 8260B		5/29/15 18:56	TMP	A
Vinyl Chloride	ND		ug/L	20.0	SW846 8260B		5/29/15 18:56	TMP	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	101		%	62 - 133	SW846 8260B		5/29/15 18:56	TMP	A
4-Bromofluorobenzene (S)	94.9		%	79 - 114	SW846 8260B		5/29/15 18:56	TMP	A
Dibromofluoromethane (S)	102		%	78 - 116	SW846 8260B		5/29/15 18:56	TMP	A
Toluene-d8 (S)	98.5		%	76 - 127	SW846 8260B		5/29/15 18:56	TMP	A
WET CHEMISTRY									
Moisture	15.7		%	0.1	S2540G-11		5/26/15 04:10	JP	C
Total Solids	84.3		%	0.1	S2540G-11		5/26/15 04:10	JP	C
TCLP METALS									
Arsenic, Total	ND		mg/L	0.14	SW846 6010C	6/1/15 TSS	6/1/15 12:50	SRT	C2
Barium, Total	ND		mg/L	2.8	SW846 6010C	6/1/15 TSS	6/1/15 12:50	SRT	C2
Cadmium, Total	ND		mg/L	0.011	SW846 6010C	6/1/15 TSS	6/1/15 12:50	SRT	C2
Chromium, Total	ND		mg/L	0.028	SW846 6010C	6/1/15 TSS	6/1/15 12:50	SRT	C2
Lead, Total	0.38		mg/L	0.033	SW846 6010C	6/1/15 TSS	6/1/15 12:50	SRT	C2
Mercury, Total	ND		mg/L	0.0020	SW846 7470A	6/1/15 MNP	6/1/15 13:56	MNP	C1
Selenium, Total	ND		mg/L	0.11	SW846 6010C	6/1/15 TSS	6/1/15 12:50	SRT	C2
Silver, Total	ND		mg/L	0.022	SW846 6010C	6/1/15 TSS	6/1/15 12:50	SRT	C2
TCLP SEMI-VOLATILES									
mp-Cresol	ND		ug/L	160	SW846 8270D	5/30/15 BS	5/30/15 19:27	GEC	A
o-Cresol	ND		ug/L	160	SW846 8270D	5/30/15 BS	5/30/15 19:27	GEC	A
1,4-Dichlorobenzene	ND		ug/L	60.0	SW846 8270D	5/30/15 BS	5/30/15 19:27	GEC	A
2,4-Dinitrotoluene	ND		ug/L	60.0	SW846 8270D	5/30/15 BS	5/30/15 19:27	GEC	A
Hexachlorobenzene	ND		ug/L	60.0	SW846 8270D	5/30/15 BS	5/30/15 19:27	GEC	A
Hexachlorobutadiene	ND		ug/L	60.0	SW846 8270D	5/30/15 BS	5/30/15 19:27	GEC	A
Hexachloroethane	ND		ug/L	60.0	SW846 8270D	5/30/15 BS	5/30/15 19:27	GEC	A

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State Certifications: DE ID 11, MA PA0102, MD 128, VA 460157, WV 343

ANALYTICAL RESULTS

Workorder: 2072824 2015-SYRACUSE UNIVERSITY COE I

Lab ID: 2072824006

Date Collected: 5/22/2015 12:40

Matrix: Solid

Sample ID: A11

Date Received: 5/23/2015 10:20

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Nitrobenzene	ND		ug/L	60.0	SW846 8270D	5/30/15 BS	5/30/15 19:27	GEC	A
Pentachlorophenol	ND		ug/L	320	SW846 8270D	5/30/15 BS	5/30/15 19:27	GEC	A
Pyridine	ND		ug/L	160	SW846 8270D	5/30/15 BS	5/30/15 19:27	GEC	A
2,4,5-Trichlorophenol	ND		ug/L	160	SW846 8270D	5/30/15 BS	5/30/15 19:27	GEC	A
2,4,6-Trichlorophenol	ND		ug/L	160	SW846 8270D	5/30/15 BS	5/30/15 19:27	GEC	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared By	Analyzed	By	Cntr
2,4,6-Tribromophenol (S)	74.6		%	40 - 125	SW846 8270D	5/30/15 BS	5/30/15 19:27	GEC	A
2-Fluorobiphenyl (S)	62.8		%	50 - 110	SW846 8270D	5/30/15 BS	5/30/15 19:27	GEC	A
2-Fluorophenol (S)	46.3		%	20 - 75	SW846 8270D	5/30/15 BS	5/30/15 19:27	GEC	A
Nitrobenzene-d5 (S)	65.1		%	40 - 110	SW846 8270D	5/30/15 BS	5/30/15 19:27	GEC	A
Phenol-d5 (S)	29.7		%	13 - 49	SW846 8270D	5/30/15 BS	5/30/15 19:27	GEC	A
Terphenyl-d14 (S)	66.3		%	50 - 122	SW846 8270D	5/30/15 BS	5/30/15 19:27	GEC	A

Vicki A. Forney

Mrs. Vicki A. Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2072824 2015-SYRACUSE UNIVERSITY COE I

Lab ID: 2072824007

Date Collected: 5/22/2015 13:15

Matrix: Solid

Sample ID: B11

Date Received: 5/23/2015 10:20

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
TCLP VOLATILE ORGANICS									
Benzene	ND		ug/L	20.0	SW846 8260B		5/29/15 19:13	TMP	A
2-Butanone	ND		ug/L	200	SW846 8260B		5/29/15 19:13	TMP	A
Carbon Tetrachloride	ND		ug/L	20.0	SW846 8260B		5/29/15 19:13	TMP	A
Chlorobenzene	ND		ug/L	20.0	SW846 8260B		5/29/15 19:13	TMP	A
Chloroform	ND		ug/L	20.0	SW846 8260B		5/29/15 19:13	TMP	A
1,2-Dichloroethane	ND		ug/L	20.0	SW846 8260B		5/29/15 19:13	TMP	A
1,1-Dichloroethene	ND		ug/L	20.0	SW846 8260B		5/29/15 19:13	TMP	A
Tetrachloroethene	ND		ug/L	20.0	SW846 8260B		5/29/15 19:13	TMP	A
Trichloroethene	ND		ug/L	20.0	SW846 8260B		5/29/15 19:13	TMP	A
Vinyl Chloride	ND		ug/L	20.0	SW846 8260B		5/29/15 19:13	TMP	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	101		%	62 - 133	SW846 8260B		5/29/15 19:13	TMP	A
4-Bromofluorobenzene (S)	93.2		%	79 - 114	SW846 8260B		5/29/15 19:13	TMP	A
Dibromofluoromethane (S)	102		%	78 - 116	SW846 8260B		5/29/15 19:13	TMP	A
Toluene-d8 (S)	94.9		%	76 - 127	SW846 8260B		5/29/15 19:13	TMP	A
WET CHEMISTRY									
Moisture	10.9		%	0.1	S2540G-11		5/26/15 04:10	JP	C
Total Solids	89.1		%	0.1	S2540G-11		5/26/15 04:10	JP	C
TCLP METALS									
Arsenic, Total	ND		mg/L	0.14	SW846 6010C	6/1/15 TSS	6/1/15 12:54	SRT	C2
Barium, Total	ND		mg/L	2.8	SW846 6010C	6/1/15 TSS	6/1/15 12:54	SRT	C2
Cadmium, Total	ND		mg/L	0.011	SW846 6010C	6/1/15 TSS	6/1/15 12:54	SRT	C2
Chromium, Total	ND		mg/L	0.028	SW846 6010C	6/1/15 TSS	6/1/15 12:54	SRT	C2
Lead, Total	0.14		mg/L	0.033	SW846 6010C	6/1/15 TSS	6/1/15 12:54	SRT	C2
Mercury, Total	ND		mg/L	0.0020	SW846 7470A	6/1/15 MNP	6/1/15 13:57	MNP	C1
Selenium, Total	ND		mg/L	0.11	SW846 6010C	6/1/15 TSS	6/1/15 12:54	SRT	C2
Silver, Total	ND		mg/L	0.022	SW846 6010C	6/1/15 TSS	6/1/15 12:54	SRT	C2
TCLP SEMI-VOLATILES									
mp-Cresol	ND		ug/L	160	SW846 8270D	5/30/15 BS	5/30/15 19:52	GEC	A
o-Cresol	ND		ug/L	160	SW846 8270D	5/30/15 BS	5/30/15 19:52	GEC	A
1,4-Dichlorobenzene	ND		ug/L	60.0	SW846 8270D	5/30/15 BS	5/30/15 19:52	GEC	A
2,4-Dinitrotoluene	ND		ug/L	60.0	SW846 8270D	5/30/15 BS	5/30/15 19:52	GEC	A
Hexachlorobenzene	ND		ug/L	60.0	SW846 8270D	5/30/15 BS	5/30/15 19:52	GEC	A
Hexachlorobutadiene	ND		ug/L	60.0	SW846 8270D	5/30/15 BS	5/30/15 19:52	GEC	A
Hexachloroethane	ND		ug/L	60.0	SW846 8270D	5/30/15 BS	5/30/15 19:52	GEC	A

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State Certifications: DE ID 11, MA PA0102, MD 128, VA 460157, WV 343

ANALYTICAL RESULTS

Workorder: 2072824 2015-SYRACUSE UNIVERSITY COE I

Lab ID: 2072824007

Date Collected: 5/22/2015 13:15

Matrix: Solid

Sample ID: B11

Date Received: 5/23/2015 10:20

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Nitrobenzene	ND		ug/L	60.0	SW846 8270D	5/30/15 BS	5/30/15 19:52	GEC	A
Pentachlorophenol	ND		ug/L	320	SW846 8270D	5/30/15 BS	5/30/15 19:52	GEC	A
Pyridine	ND		ug/L	160	SW846 8270D	5/30/15 BS	5/30/15 19:52	GEC	A
2,4,5-Trichlorophenol	ND		ug/L	160	SW846 8270D	5/30/15 BS	5/30/15 19:52	GEC	A
2,4,6-Trichlorophenol	ND		ug/L	160	SW846 8270D	5/30/15 BS	5/30/15 19:52	GEC	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared By	Analyzed	By	Cntr
2,4,6-Tribromophenol (S)	101		%	40 - 125	SW846 8270D	5/30/15 BS	5/30/15 19:52	GEC	A
2-Fluorobiphenyl (S)	81.8		%	50 - 110	SW846 8270D	5/30/15 BS	5/30/15 19:52	GEC	A
2-Fluorophenol (S)	60.6		%	20 - 75	SW846 8270D	5/30/15 BS	5/30/15 19:52	GEC	A
Nitrobenzene-d5 (S)	84.1		%	40 - 110	SW846 8270D	5/30/15 BS	5/30/15 19:52	GEC	A
Phenol-d5 (S)	39		%	13 - 49	SW846 8270D	5/30/15 BS	5/30/15 19:52	GEC	A
Terphenyl-d14 (S)	89.4		%	50 - 122	SW846 8270D	5/30/15 BS	5/30/15 19:52	GEC	A

Vicki A. Forney

Mrs. Vicki A. Forney
Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington ■ Calgary ■ Centre of Excellence ■ Edmonton ■ Fort McMurray ■ Fort St. John ■ Grande Prairie ■ London ■ Mississauga ■ Richmond Hill ■ Saskatoon ■ Thunder Bay
Vancouver/Waterloo ■ Winnipeg ■ Yellowknife United States: Cincinnati ■ Everett ■ Fort Collins ■ Holland ■ Houston ■ Middletown ■ Salt Lake City ■ Springfield ■ York Mexico: Monterrey

Attachment 3 - WSR #111 (Riccelli Truck that left ITC site on 6/22/15 and spilled debris on Erie Blvd.)

Waste shipped on this WSR did not make it to the Landfill. It was subsequently reloaded onto another truck and shipped on WSR #118

WASTE SHIPMENT RECORD						
GENERATOR	1. Owner's name and mailing address Syracuse University Center of Excellence DH&S Services Office, 028 Lyman Hall 100 College Place, Syracuse, NY		Project name and location 727 E. Washington St. Syracuse, NY 13210		Owner's telephone no. (315) 443-9133	
	2. Operator's name and address OK-TEC Environmental Services, Inc. 1260 Southville Road, Suite 777B Rochester, NY 14624		Project number PCRD0001		Operator's telephone no. (585) 204-9347	
	3. Waste Disposal Site (WDS) Name: Seneca Meadows Landfill Mailing Address: 1780 Salomon Road Waterloo, NY 13165 Physical Site Location: Same		WDS telephone no. (315) 536-7674		Additional Information Approval # 15-052 WSR # ITS 111 345	
	4. Name and address of responsible agency US EPA, Region 1 Attn: Regional Administrator 26 Federal Plaza, New York, NY 10278					
	5. Description of materials NA2212, Asbestos, 8, PGIII (asbestos impacted soil & debris)		6. Containers No. Type		7. Total quantity m ³ (yd ³)	
	Non-hazardous		1 DT			
	8. Special handling instructions and additional information					
	9. 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.					
	Printed/typed name & title Robert J. Pina, Env. Comp. Mgr.		Signature [Signature]		Month Day Year 6 22 15	
	TRANSPORTER	10. Transporter 1 (Acknowledgement of receipt of materials) Printed/typed name & title Riccelli Enterprises, Inc. Address and telephone no. 6131 E. Tait Road N. Syracuse, NY 13217 (315) 433-5115		Signature [Signature]		Month Day Year 6 22 15
11. Transporter 2 (Acknowledgement of receipt of materials) Printed/typed name & title		Signature		Month Day Year		
Address and telephone no.						
DISPOSAL SITE	12. Discrepancy indication space					
	13. Waste disposal site owner or operator: Certification of receipt of asbestos materials covered by this manifest except as noted in item 12. Printed/typed name & title				Grid Coordinates East North El Month Day Year	

• Copy 1 - Generator • Copy 2 - Operator • Copy 3 - Waste Disposal Site •

Attachment 4 - Shipping Log for WSR #111 (WSR of shipment that was spilled)

Syracuse Center of Excellence Intermodal Transportation Remediation Project- Waste Screenign Log

SHIP DATE	WSR#	EXCAVATION GRID #	HIGHEST PID (PPM) READING	ANY VISIBLE CONTAMINATES?			ANY UNUSUAL ODORS?	OP-TECH'S SCREENER	RICELLI'S TRUCK LICENSE #
				ASBESTOS	PETROLEUM	OTHER			
6/19/15	ITS#91	E8	0	-	-	-	N/A	DB	347
	ITS#92	E8	0	-	-	-			343
	ITS#93	E8	0	-	-	-			346
	ITS#94	E8/D9	0	-	-	-			317
	ITS#95	E8/D9	0	-	-	-			300
	ITS#96	E8/D9	0	-	-	-			345
	ITS#97	E8/D9	0	-	-	-			344
	ITS#98	D9	0	-	-	-			318
	ITS#99	D9	0.1	-	-	-			75
	ITS#100	D9	0	-	-	-			347
6/22/15	ITS#101	STOCKPILE	0	-	-	-			344
	ITS#102	STOCKPILE	0	-	-	-			345
	ITS#103	STOCKPILE	0	-	-	-			318
	ITS#104	STOCKPILE	0	-	-	-			347
	ITS#105	STOCKPILE	0	-	-	-			342

Stockpiled from Bill and #4

Syracuse Center of Excellence Intermodal Transportation Remediation Project- Waste Screenign Log

SHIP DATE	WSR#	EXCAVATION GRID #	HIGHEST PID (PPM) READING	ANY VISIBLE CONTAMINATES?			ANY UNUSUAL ODORS?	OP-TECH'S SCREENER	RICELLI'S TRUCK LICENSE #
				ASBESTOS	PETROLEUM	OTHER			
6/22/15	ITS#106	STOCKPILE	0	-	-	-	N/A	DB	346
	ITS#107	STOCKPILE	0	-	-	-			317
	ITS#108	STOCKPILE	0	-	-	-			300
	ITS#109	STOCKPILE	0	-	-	-			313
	ITS#110	STOCKPILE	0	-	-	-			344
	ITS#111	STOCKPILE	0	-	-	-			345 *
	ITS#112	STOCKPILE	0	-	-	-			318
	ITS#113	D9	0	-	-	-			347
	ITS#114	D9	0	-	-	-			342
	ITS#115								342
	ITS#116								
	ITS#117								
	ITS#118								
	ITS#119								
	ITS#120								

VOID

Attachment 5 - NYS DOL Approved Variance for Spill Clean-up

Division of Safety and Health
Engineering Services Unit

Department of Labor
W. Averell Harriman State Office Campus
Building 12, Room 154, Albany, NY 12240
www.labor.ny.gov
518-457-1536

June 23, 2015

Envirologic of NY Inc.
3 Neptune Road STE A-28
Poughkeepsie, NY 12601

RE: File No. 15-0803

Dear Sir/Madam:

**STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH**

The attached is a copy of Decision, dated, 6/23/2015, which I have compared with the original filed in this office and which I DO HEREBY CERTIFY to be a correct transcript of the text of the said original.

If you are aggrieved by this decision you may appeal within 60 days from its issuance to the Industrial Board of Appeals as provided by Section 101 of the Labor Law. Your appeal should be addressed to the Industrial Board of Appeals, State Office Building Campus, Building 12, Room 116, Albany, New York, 12240 as prescribed by its Rules and Procedure, a copy of which may be obtained upon request.

WITNESS my hand and the seal of the
NYS Department of Labor, at the City of
Albany, on this day of 6/23/2015.



Edward A. Smith, P.E.
Associate Safety and Health Engineer



STATE OF NEW YORK
DEPARTMENT OF LABOR
STATE OFFICE BUILDING CAMPUS
ALBANY, NEW YORK 12240-0100

Variance Petition

of

Envirologic of New York, Inc.
Petitioner's Agent on Behalf of

Syracuse University
Petitioner

in re

Premises: Syracuse University
Erie Boulevard
Syracuse, NY 13244

**Emergency Exterior ACM Contaminated Soil
Clean Up**

File No. 15-0803

DECISION

Cases 1-4

ICR 56

The Petitioner, pursuant to Section 30 of the Labor Law, having filed Petition No. 15-0803 on June 22, 2015 with the Commissioner of Labor for a variance from the provisions of Industrial Code Rule 56 as hereinafter cited on the grounds that there are practical difficulties or unnecessary hardship in carrying out the provisions of said Rule; and the Commissioner of Labor having reviewed the submission of the petitioner dated June 22, 2015; and

Upon considering the merits of the alleged practical difficulties or unnecessary hardship and upon the record herein, the Commissioner of Labor does hereby take the following actions:

Case No. 1	ICR 56-11.2
Case No. 2	ICR 56-11.2 (f) (1)
Case No. 3	ICR 56-4.9 (a)
Case No. 4	ICR 56-9.2(d)

VARIANCE GRANTED. The Petitioner's proposal for cleanup of potentially ACM contaminated soil in accordance with the attached 6-page stamped copy of the Petitioner's submittal is accepted; subject to the Conditions noted below:

THE CONDITIONS

1. As written with modifications noted.
2. Usage of this variance is limited to those asbestos removals identified in this variance or as outlined in the Petitioner's proposal.

In addition to the conditions required by the above specific variances, the Petitioner shall also comply with the following general conditions:

GENERAL CONDITIONS


1. A copy of this DECISION and the Petitioner's proposals shall be conspicuously displayed at the entrance to the personal decontamination enclosure.
 2. This DECISION shall apply only to the removal of asbestos-containing materials from the aforementioned areas of the subject premises.
 3. The Petitioner shall comply with all other applicable provisions of Industrial Code Rule 56-1 through 56-12.
 4. The NYS Department of Labor Engineering Service Unit retains full authority to interpret this variance for compliance herewith and for compliance with Labor Law Article 30. Any deviation to the conditions leading to this variance shall render this variance Null and Void pursuant to 12NYCRR 56-12.2. Any questions regarding the conditions supporting the need for this variance and/or regarding compliance hereto must be directed to the Engineering Services Unit for clarification.
-

5. This DECISION shall terminate on June 30, 2016.

Date: June 23, 2015

By

MARIO J. MUSOLINO
Acting COMMISSIONER OF LABOR



Edward A. Smith, P.E.
Associate Safety and Health Engineer

PREPARED BY: Edward A. Smith, P.E.
Associate Safety & Health Engineer

REVIEWED BY: Ravi Pilar, P.E.
Senior Safety and Health Engineer



3 Neptune Road - Suite A-28
 Poughkeepsie, New York 12601
 845.146.1466
 845.462.1476 (fax)
info@ecologicny.com
www.envirologicny.com

State of New York - Department of Labor
 Division of Safety and Health
 Engineering Services Unit
 State Office Building Campus
 Albany, NY 12240

Monday, June 22nd, 2015

Dear Commissioner:

Envirologic of New York, Inc., (ENVIROLOGIC) acting on behalf of and as an agent for SYRACUSE UNIVERSITY is requesting an emergency variance from the requirements of the Labor Law. I have enclosed in this packet: a typed application (NYS DOH-752), a check payable to the Commissioner of Labor for \$350.00, and a detailed explanation of the grounds for this variance and means for securing the public safety and health with regard to this variance. Commencement of the work is dependent upon approval of this variance request.

The purpose of this emergency variance petition is to allow for the cleanup of construction debris that spilled from a dump truck leaving a site near the Syracuse Center of Excellence on East Washington Street. The spill occurred on Monday, June 22nd, 2015. The dump truck spilled asbestos-laden dirt and debris along a two-block stretch of Erie Boulevard between McBride and State Streets. Only a small amount of material spilled - about two or three cubic yards, but it was strewn along two city blocks. The material was being trucked to a landfill.

An abatement contractor has cordoned off the westbound lane of Erie Boulevard between Almond Street and State Street. Mr. Rick Heffernan/NYS Department of Labor was notified of the situation and allowed for the cleanup to begin immediately.

In order to expedite the removal and clean-up of the aforementioned location in accordance with state and federal guidelines, we are requesting the approval of an emergency variance. The purpose of this variance is to expedite the removal of the following asbestos-containing materials:

ACM Description	Sample Location	Quantity	Condition
Possible ACM in Construction Debris	Erie Boulevard - Exterior	2-3 cubic yards spread across 2 city blocks	Not Applicable

If applicable, notification to the Department of Labor for asbestos removal will be submitted by the appropriate asbestos abatement contractor contracted to perform the work in the specified area. In



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the event that the amount of asbestos to be removed is expected to exceed that specified herein, the Department of Labor will be notified immediately.

In order to protect the safety and health of the public and to allow for the asbestos abatement to be performed in a safe and timely manner, on behalf of SYRACUSE UNIVERSITY, ENVIROLOGIC is requesting that the following work practices be followed:

Exterior Construction Debris ACM Debris Removal Requirements:

1. All provisions of Section 56-11.2 "Emergency Projects" shall be followed for the cleanup of the ACM debris.
2. Daily abatement air monitoring is required on days when abatement or support activities such as work area preparation, ACM removal or cleaning activities are performed.
3. In lieu of post-abatement Clearance air monitoring in compliance with 56-9.2(d), the most recent daily abatement air samples collected shall be used for comparison with 56-4.11 clearance criteria.
4. After removal and cleanings are complete, an authorized and certified Project Monitor, independent of the Abatement Contractor, shall determine if the area is dry and free of visible asbestos debris as per 56-9.1(c)(1). If the area is determined to be acceptable and the most recent daily abatement air sample results meet 56-4.11 clearance criteria, the final dismantling of the site may begin.
5. All ACM debris removed from site shall be disposed of by appropriate legal method.
6. Requested Relief 56-4.9 (a): Due to the nature of the work no background air sampling will be required.
7. A remote small project remote decontamination enclosure will be utilized.
8. Requested Relief ^{11.2 (FY)} 56-11.8 (b) (2): Barrier tape, warning signs and where possible construction fence will be place as a minimum ten (10) feet from the perimeter of the work areas, airlock and remote decontamination enclosures.



15080
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info@elocnyc.com
www.envirollogics.com

9. Upon completion of the cleanup activities the area will be inspected by a project monitor to ensure the completeness of abatement and cleaning.



Figure 1



15080
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info@ellogicny.com
www.envirollogicny.com

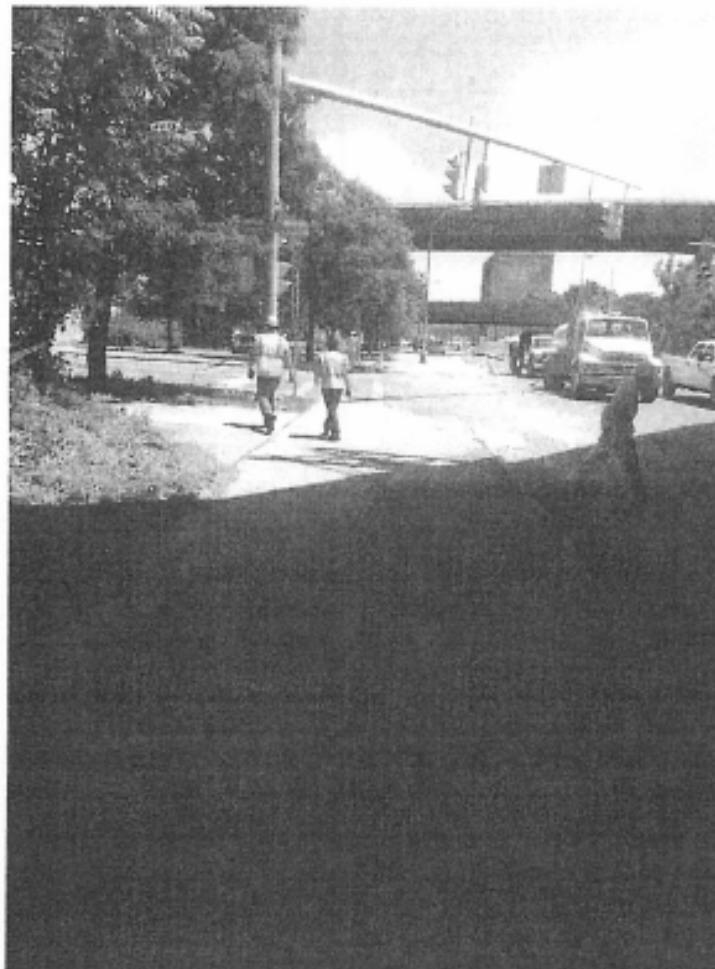


Figure 2

150803



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info@elogenicny.com
www.envirologikny.com

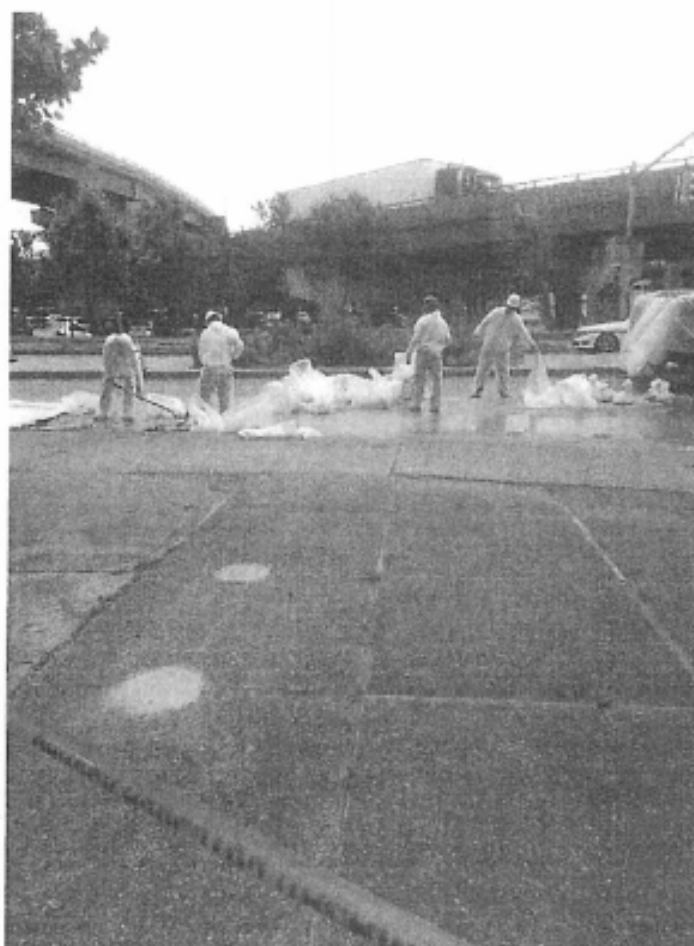


Figure 3

150803




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845.462.1476 (fax)
info@elogenicny.com
www.envirollogicny.com



Figure 4

If you have any questions or need any additional information, please do not hesitate to contact me at (845) 462-1466. Thank you for your prompt attention to this matter.

Submitted by: 
Jack Kunicki
Envirollogic of New York, Inc.

Attachment 6 - Environmental Air Sampling Analysis Results



Asbestos Air Sampling Analysis Report

Analyzed in Accordance with

NIOSH Method 7400 (A Rules)

NYS DOH ELAP #11555

Client: Syracuse University	Project Number: EL15A-107	Sampled by:
285 Ainsley Dr., Syracuse, NY 13244	Client Project #: NA	Francis Parker
Project Description:	Report Number:	Sample Type:
Emergency Spill	1166	E - Environmental
Project Location:	Date Sampled:	Received by: Date:
Erie Blvd.	6/22/15	Katie Joyce 6/23/15
Client Contact:	Client Phone Number:	Date Analyzed:
Mike Culligan	315-443-5697	6/23/15
		Date Reported:
		6/23/15

Abatement Contractor: EPS

Sample Number	LAB ID Number	Sample Description	Total Time (minutes)	Average Flow Rate (Liters/Min)	Total Volume (Liters)	Result (f/min) ¹	Result (f/cc)
1	10086	Outside Work Area - Down Wind, East Water Street	210	2.00	420	<6.87	<0.006
2	10087	Outside Work Area - Center Water Street	280	2.00	560	<6.87	<0.005
3	10088	Outside Work Area - Up Wind, West Water Street	335	2.00	670	<6.87	<0.004
4	10089	Field Blank	NA	NA	NA	NC	NC
5	10090	Field Blank	NA	NA	NA	NC	NC

Analyzed by:	Date:	Approved by:	Valerie Lare
Katie Joyce	6/23/2015	<i>Valerie Lare</i>	Technical Director
			Date: 6/23/15

RSD: 0.1813 # of Samples: **5** TAT: **STD**

Abbreviations: B-Background Sample, E-Daily Environmental Sample, F-Final Clearance Sample, A-Ambient Sample, STEL-Short Term Exposure Limit Sample, P-OSHA Personal Air Monitoring Sample, FB-Field Blank, NC-Not Contaminated, MD-Mixed Dust/Inhalable to Analyze, SD-Sample Damaged/Inhalable to Analyze, SM-Sample Missing/Unable to Analyze, NS-Not Supplied, NA-Not Applicable

All Air Samples are Collected and/or Analyzed in Accordance with the NIOSH 7400 A Counting Rule Method. Please note that Phase Contrast Microscopy (PCM) Analysis using NIOSH 7400 is a means of analysis for fiber counting. This method is not specific for the analysis of airborne asbestos fibers. The analytical results presented in this report and the laboratory procedures used are considered to be accurate and reliable for the samples analyzed. This report may not be reproduced without the written approval of Envirologic of New York, Inc. and then only in full. Bold, highlighted type indicates elevated airborne fiber concentrations. If sampled by client the verifiability of the results is limited to the reported CFM2.

6950 East Genesee St.,
 Fayetteville, NY 13066
 315-455-2714, 315-455-3022(fax)
 www.envirologieny.com

Attachment #7 - WSR #118 (Recovered soils, debris and clean up waste from the 6/22/15 Riccelli truck spill)

This is the Waste Shipping Record for waste that was remaining on the Riccelli truck that spilled and soils and debris collected during spill clean-up.

WASTE SHIPMENT RECORD				
GENERATOR	1. Owner's name and mailing address Syracuse University Center of Excellence EH&S Services Office, 609 Lyman Hall 100 College Place, Syracuse, NY		Project name and location 727 E. Washington St. Syracuse, NY 13210	Owner's telephone no. (315) 443-8133
	2. Operator's name and address OP TIE Environmental Services, Inc. 1460 Scottsville Road, Suite 2023 Rochester, NY 14624		Project number PCBDE001	Operator's telephone no. (585) 203-9347
	3. Waste Disposal Site (WDS): Name: Seneca Meadows Landfill Mailing Address: 1286 Salzman Road Watertown, NY 13165 Physical Site Location: Same		WDS telephone no. (315) 530-5629	Additional Information <input checked="" type="checkbox"/> Gate Locked 72 Approval # 15-052 WSR # ITS 118
	4. Name and address of responsible agency US EPA, Region II Attn: Regional Administrator 26 Federal Plaza, New York, NY 10278			
	5. Description of materials NA2212, Asbestos, 1, PCB 1 (asbestos impacted soil & debris)		6. Containers No. Type	7. Total quantity m³ (yd³)
Triable Non-Triable		1	10	
8. Special handling instructions and additional information				
9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this assignment 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.				
Printed/typed name & title Robert J. Piro EH&S Manager		Signature [Signature]	Month 6	Day 24
10. Transporter 1 (Acknowledgement of receipt of materials) Printed/typed name & title Riccelli Enterprises, Inc. Address and telephone no. 6131 L. Telt Road N. Syracuse, NY 13217 (315) 433-8115		Signature [Signature]	Month 6	Day 24
11. Transporter 2 (Acknowledgement of receipt of materials) Printed/typed name & title Address and telephone no.		Signature	Month	Day
12. Discrepancy indication source				
13. Waste disposal site owner or operator. Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.			Grid Coordinates East North E	
Printed/typed name & title		Signature	Month	Day
			Year	

• Copy 1 - Generator • Copy 2 - Operator • Copy 3 - Waste Disposal Site •

Attachment #8 – Landfill Confirmation of Receipt of COE ITC waste shipped on WSR #118

sRpCst.rpt

Customer: 15OPT
Profile: 2015-052-15OPT
Waste: All
Truck: All

Seneca Meadows, Inc.
Customer Activity Report (Site)
Transactions from 06/24/2015 through 06/24/2015
Inbound and Outbound Tickets
Third Party and Intercompany Customers
Recycle and Disposal Waste
Full Details

Page 1 of 2
6/25/2015
9:03AM

Ticket	Date	Time	Truck	Profile	Cust Ref# (Manifest)		
15OPT							
BCS01							
2670145	06/24/15	09:50:25	RIC344	2015-052-15OPT	118	17.28	0.00
2670154	06/24/15	09:57:44	RIC345	2015-052-15OPT	119	18.14	0.00
2670159	06/24/15	10:01:31	RIC318	2015-052-15OPT	120	21.57	0.00
2670162	06/24/15	10:03:58	RIC342	2015-052-15OPT	121	19.18	0.00
2670165	06/24/15	10:06:44	RIC346	2015-052-15OPT	122	18.96	0.00
2670178	06/24/15	10:33:31	RIC311	2015-052-15OPT	124	22.47	0.00
2670183	06/24/15	10:36:56	RIC316	2015-052-15OPT	123	28.18	0.00
2670205	06/24/15	11:11:40	RIC312	2015-052-15OPT	125	23.27	0.00
2670206	06/24/15	11:12:43	RIC340	2015-052-15OPT	126	22.64	0.00
2670250	06/24/15	11:57:52	RIC347	2015-052-15OPT	127	20.82	0.00
2670279	06/24/15	12:27:20	RIC344	2015-052-15OPT	LOAD 128	20.51	0.00
2670302	06/24/15	12:57:21	RIC345	2015-052-15OPT	LOAD 129	27.24	0.00
2670314	06/24/15	13:08:00	RIC318	2015-052-15OPT	LOAD 130	26.66	0.00
2670330	06/24/15	13:23:46	RIC342	2015-052-15OPT	LOAD 131	21.96	0.00
2670332	06/24/15	13:24:56	RIC346	2015-052-15OPT	LOAD 132	25.67	0.00
2670340	06/24/15	13:30:56	RIC311	2015-052-15OPT	LOAD 133	25.24	0.00
2670366	06/24/15	14:00:29	RIC312	2015-052-15OPT	LOAD 135	25.87	0.00
2670417	06/24/15	14:49:43	RIC316	2015-052-15OPT	LOAD 34	22.76	0.00
2670419	06/24/15	14:52:05	RIC340	2015-052-15OPT	LOAD 136	23.37	0.00
2670448	06/24/15	15:20:35	RIC347	2015-052-15OPT	LOAD 137	25.44	0.00
2670476	06/24/15	15:40:30	RIC344	2015-052-15OPT	LOAD 138	25.87	0.00
2670478	06/24/15	15:42:38	RIC345	2015-052-15OPT	LOAD 139	25.47	0.00
2670495	06/24/15	16:00:31	RIC318	2015-052-15OPT	LOAD 140	27.32	0.00
2670499	06/24/15	16:05:07	RIC346	2015-052-15OPT	LOAD 141	25.36	0.00
BCS01						561.25	0.00
24 tickets and 24 transactions							

Typo, should be 134

Attachment 9 - Incident Photographs



Debris field before clean-up
Erie Blvd. at McBride St. Intersection
(Looking east)



Debris field before clean-up
Erie Blvd. between Townsend and
State St. (Looking west)



Debris field before clean-up
Erie Blvd. between McBride and
Townsend St. Intersects
(Looking east)



Impacted areas covered
with plastic sheeting pre-
Clean-up



Impacted areas covered
with plastic sheeting pre-
Clean-up





Riccelli Truck that released the material

