September 26, 2019

Ms. Hoa Dao
Project Officer
Pennsylvania Department of Environmental Protection
Division of Hazardous Waste Management
400 Market Street
Harrisburg, PA 17106

Re: 2019 School Chemical Cleanout Campaign
Contract No. SAP # 4000018583
Requisition Number GTAC6-0-442

Dear Ms. Dao:

AECOM Technical Services, Inc. (AECOM) is pleased to present this summary report to the Pennsylvania Department of Environmental Protection (PADEP) detailing the activities and results of the 2019 School Chemical Cleanout Campaign (SC3). This report includes subcontractor documentation (labpack packing lists) and copies of signed hazardous and non-hazardous waste manifests for chemical cleanouts completed at 11 schools. Initially 12 schools were selected, however Sullivan County High was removed from the list following the bidding process due to a fire and the inability of contractors to safely access the chemicals at that facility.

**BACKGROUND**

The SC3 program was implemented to create a network of federal and state agencies, teachers’ associations, school administrator organizations, chemical suppliers, and industry leaders to: (1) raise national awareness of potentially dangerous chemicals that are present in K-12 schools; (2) facilitate chemical cleanouts; and (3) mitigate future problems with laboratory chemicals used in K-12 schools. The SC3 program is a component of the Priority and Toxic Chemical Reduction national priority, one of four U.S. Environmental Protection Agency (EPA) focus areas with the Resource Conservation Challenge (RCC). The RCC is a national effort to conserve natural resources and energy by managing materials more efficiently. The 11 schools selected for the 2019 SC3 program (Table 1) maintained a quantity of legacy chemicals and received chemical management training and best management practices training from PADEP prior to implementing the 2019 chemical cleanout program.
OBJECTIVES

The objective of the 2019 SC3 was to assist participating schools with disposal of excess, out-of-date and potentially dangerous chemicals. This project was conducted in support of the EPA’s objective to conserve resources and prevent land contamination by reducing waste generation, increase recycling, and ensure proper management of waste and petroleum products. To achieve this objective, AECOM completed the following tasks:

- Solicited bids from qualified hazardous waste removal contractors to perform chemical cleanouts of legacy hazardous chemicals at the 11 schools selected by PADEP for the 2019 SC3 program;
- Prepared a Safe Work Plan to ensure that chemical cleanout activities were conducted to minimize risk to AECOM, subcontractor, PADEP and school personnel;
- Coordinated the completion of the chemical cleanouts of the aforementioned schools with the contractors, schools and PADEP;
- Conducted onsite visits at the selected schools to verify and confirm the submitted chemical inventories and document cleanout activities;
- Provided chemical cleanout oversight of excess, legacy, unused and improperly stored chemicals at each of the 11 schools; and
- Compiled a detailed Schools Chemical Cleanout Project Report documenting 2019 SC3 activities completed at each of the 11 schools. The Schools Chemical Cleanout Project Report included signed copies of hazardous waste manifest for each of the schools.

WASTE CHEMICAL CLEANOUTS

Cleanout of waste chemicals were conducted at the 11 PADEP selected schools between August 5 and August 20, 2019 in accordance with the July 24, 2019 Work Plan that was approved by PADEP. Scheduling and removal of chemicals at St. Joseph’s High School located in Natrona Heights, Pennsylvania was performed outside the August 16, 2019 pickup date with permission granted by the school contact and PADEP on July 31, 2019 due to scheduling conflicts. Chemicals at this location were packed on August 20, 2019 and transported for disposal on August 28, 2019. Of the 11 schools, seven were located in eastern Pennsylvania and four in western Pennsylvania as summarized in Table 1.

AECOM retained Green Industries, Inc. (Green) of Ivyland, Pennsylvania to complete chemical cleanouts for schools located in both eastern Pennsylvania and western Pennsylvania. Personnel from AECOM’s Conshohocken, Williamsport, and Pittsburgh, Pennsylvania offices provided oversight for the chemical cleanout activities for each of the 11 schools.
Table 2 summarizes chemical cleanout activities by school and region. It details the number of containers and quantities of hazardous and non-hazardous wastes removed from each school, dates of removal and identifies the licensed transporter and disposal facility. After properly documenting and packing of the chemicals into chemically compatible containers, the selected chemical disposal companies prepared disposal manifests. The manifests were signed by a designated school official, then chemical waste from the seven eastern Pennsylvania schools were transported by a subcontractors of Green, Manage Direct Systems Environmental, LLC (EPA ID. No. PAR000543637) to Republic Environmental Systems (PA), Inc. (PAD085690592) located in Hatfield, Pennsylvania. Two of these schools, CAPA and Pennridge High School, had flammable gas cartridges that required transport to Cycle Chem, Inc (EPA ID. No. PAD067098822) located in Lewisberry, Pennsylvania for disposal. Chemicals from three of the four western Pennsylvania schools were transported by Manage Direct Systems Environmental, LLC while chemicals from the fourth school, St. Joseph’s, were transported by Midwest Environmental Transport, Inc. (OH0000000539). All chemicals from the four western schools were transported to Cycle Chem, Inc. As shown in Table 2, an estimated total of 1,172 pounds of hazardous waste and 702 pounds of non-hazardous waste were properly manifested and removed from the eastern and western Pennsylvania schools.

Waste legacy chemicals manifested at the 11 schools included, but are not limited to the following:

- Waste flammable liquids;
- Waste flammable solids (organic)
- Activated Carbon
- Waste corrosive liquids (basic and acidic);
- Waste Oxidizing solids;
- Waste Oxidizing liquids;
- Waste Sodium Sulfide;
- Waste Toxic solid (inorganic);
- Waste Water- Reactive Solid;
- Waste Acetic Acid (Glacial);
- Waste Aluminum Chloride;
- Waste Aluminum Sulfide;
- Waste Phosphorous;
- Waste Sulfur;
- Waste Carbon Disulfide;
- Waste Nitric Acid;
- Compressed Gas Cylinders;
- Waste Mercury Compound (Solid); and
- Waste Mercury.
Hazardous materials (non-hazardous wastes) included the following:

- Environmental hazardous substances, liquid and solid; and
- Non-regulated material (formalin animal specimens).

Appendix A includes photographs, labpack packing lists for hazardous chemicals, and copies of manifests and disposal documentation for the hazardous and non-hazardous wastes collected at the 11 schools. This information is organized by school and region.

SUMMARY AND CONCLUSIONS

Between August 5, 2019 and August 20, 2019, chemical cleanout of unused legacy hazardous and non-hazardous chemicals were completed at 11 Pennsylvania junior/senior high schools. These schools were selected by PADEP to participate in the 2019 SC3 and had previously received chemical management training and best management practices training from the department. Chemical cleanout activities of legacy hazardous chemicals of the eastern and western Pennsylvania schools were conducted by Green Industries, Inc. with oversight provided by AECOM. Combined, a total of 63 containers of various sizes containing a combined weight of 1,874 pounds of hazardous and non-hazardous wastes were properly manifested at the 11 schools. Following collection, Manage Direct Systems Environmental, LLC and Midwest Environmental Transport, Inc., whom are both subcontractors to Green, transported the chemical waste from the seven eastern and four western Pennsylvania schools to Republic Environmental System (PA), Inc. and Cycle Chem, Inc. for disposal.
AECOM appreciates the opportunity to submit this summary report detailing the activities and results of the 2019 SC3 performed at 11 Pennsylvania junior/senior high schools under PADEP GTAC-6-0-442 assignment. If there are any questions or comments regarding this report, please contact Rebecca Walsh at 717-796-8017 or William Wessner at 412-808-1859.

AECOM

Rebecca Walsh, P.G.  
Field Coordinator

William Wessner III, STS  
Project Manager

Cc:  Ray Orloski – AECOM  
Alex Govelovich – PADEP

Attachments:  
Table 1 – List of Selected Schools  
Table 2 – Summary of Chemical Cleanouts  
Appendix A – Waste Disposal Manifests/Photologs
Tables
# Table 1

List of Selected Schools

2019 School Chemical Cleanout Campaign (SC3)

GTAC6-0-442

<table>
<thead>
<tr>
<th>Region</th>
<th>School</th>
<th>Address</th>
<th>City</th>
<th>Zip Code</th>
<th>County</th>
<th>EPA ID No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eastern</td>
<td>Abington Senior High School</td>
<td>900 Highland Avenue</td>
<td>Abington</td>
<td>19001</td>
<td>Montgomery</td>
<td>VSQG</td>
</tr>
<tr>
<td></td>
<td>Abraham Lincoln High School</td>
<td>3201 Ryna Avenue</td>
<td>Philadelphia</td>
<td>19136</td>
<td>Philadelphia</td>
<td>VSQG</td>
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<tr>
<td></td>
<td>CAPA</td>
<td>901 S. Broad Street</td>
<td>Philadelphia</td>
<td>19147</td>
<td>Philadelphia</td>
<td>VSQG</td>
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<tr>
<td></td>
<td>Methacton High School</td>
<td>603 Industrial Drive</td>
<td>Eagleville</td>
<td>19403</td>
<td>Montgomery</td>
<td>VSQG</td>
</tr>
<tr>
<td></td>
<td>Northeast High School</td>
<td>1601 Cottman Avenue</td>
<td>Philadelphia</td>
<td>19131</td>
<td>Philadelphia</td>
<td>VSQG</td>
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<tr>
<td></td>
<td>Pennridge High School</td>
<td>1228 North 5th Street</td>
<td>Perkasie</td>
<td>18944</td>
<td>Bucks</td>
<td>VSQG</td>
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<tr>
<td></td>
<td>William Bodine School for International Affairs</td>
<td>1101 North 4th Street</td>
<td>Philadelphia</td>
<td>19123</td>
<td>Philadelphia</td>
<td>VSQG</td>
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<tr>
<td>Western</td>
<td>Benton Area School District</td>
<td>600 Green Acres Road</td>
<td>Mercer</td>
<td>17264</td>
<td>Benton</td>
<td>VSQG</td>
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<tr>
<td></td>
<td>Ferndale Area Jr./Sr. High School</td>
<td>100 Dartmouth Avenue</td>
<td>Johnstown</td>
<td>16915</td>
<td>Cambria</td>
<td>VSQG</td>
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<tr>
<td></td>
<td>Greater Latrobe Senior High School</td>
<td>131 High School Road</td>
<td>Latrobe</td>
<td>17066</td>
<td>Westmoreland</td>
<td>VSQG</td>
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<tr>
<td></td>
<td>St. Joseph High School</td>
<td>800 Montana Avenue</td>
<td>Natrona Heights</td>
<td>16137</td>
<td>Allegheny</td>
<td>VSQG</td>
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Notes:

VSQG = Very Small Quantity Generator
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<thead>
<tr>
<th>Region</th>
<th>School</th>
<th>Date of Rem</th>
<th>Number of Chemical Containers Removed</th>
<th>Estimated Amount of Chemicals Removed (lbs.)</th>
<th>Transporter</th>
<th>Designated Disposal Facility</th>
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<td>Eastern</td>
<td>Abington Senior High School</td>
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<td>781</td>
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<td></td>
<td></td>
<td>2</td>
<td>Cycle Chem, Inc.</td>
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<td>Mechacton High School</td>
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<td>William Bodine</td>
<td>8/5/2019</td>
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<td>Benton Area School District</td>
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<td>24</td>
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<td>1,874</td>
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APPENDIX A
WASTE DISPOSAL MANIFESTS/PHOTOLOGS
EASTERN PA SCHOOLS
### Facility Name:
Abington Senior High School

### Address:
900 Highland Avenue Abington, PA 19001

### Project No.:
60609046

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<td>8/6/19</td>
<td>Northwest</td>
<td>Sign at the main entrance to Abington Senior High School.</td>
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<td>2</td>
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<td>Interior</td>
<td>Chemicals staged for removal.</td>
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## AECOM

### PHOTOGRAPHIC LOG

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<th>Description</th>
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<td>8/6/19</td>
<td>Interior</td>
<td>Chemicals staged for removal.</td>
</tr>
<tr>
<td>4</td>
<td>8/6/19</td>
<td>Interior</td>
<td>Chemicals staged for removal.</td>
</tr>
<tr>
<td>Photo No.</td>
<td>Date</td>
<td>Direction Photo Taken</td>
<td>Description</td>
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<td>--------------------------------------------------</td>
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<tr>
<td>5</td>
<td>8/6/19</td>
<td>Interior</td>
<td>Chemicals packed for removal.</td>
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<tr>
<td>6</td>
<td>8/6/19</td>
<td>N/A</td>
<td>Chemical loaded ready for transport.</td>
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</tbody>
</table>
UNIFORM HAZARDOUS WASTE MANIFEST

5. Generator's Name and Mailing Address
   Abington Senior High School
   900 Highland Ave
   Abington, PA 19001

6. Transporter 1 Company Name
  Manage Direct Systems Environmental, LLC

7. Transporter 1 Company Name
  Republic Environmental Systems (PA) Inc.
   2604 Sandstone Drive, Hatfield PA 19440

8. Designated Facility Name and Site Address
   Public Environmental Systems (PA) Inc.
   2604 Sandstone Drive, Hatfield PA 19440

9a. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))
   1. UN 3366 Waste Corrosive Liquid, Basic, Inorganic, Nos. 8, PGE II (Hydroxide, Hydrous)
   2. UN 3288 Waste Toxic Solid, Inorganic, Nos. 61, PGE II (Barium Chloride, Barium Salt)
   3. UN 1350 Sulfur, 4.1, PGE II
   4. UN 2075 Waste Mercury Compounds, Solid, Nos. 61, PGE II (Mercuric Chloride)

10. Containers
   No.  Type  11. Total Quantity  12. Unit Wt./Vol.  13. Waste Codes
   0  DF  000  P  DOA
   0  DF  001  P  DOA
   0  DF  001  P  DOA
   0  DF  001  P  DOA

14. Special Handling Instructions and Additional Information
   1. RLPG813 WAT16-B
   2. RLPG813 WAT16-PA
   4. RLPG813 - RECIPT-HI

15. GENERATOR/SUMMIT'S CERTIFICATION: I hereby certify that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/labelled, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgement of Consent.

   Generator's/Shipper's Printed/Typed Name
   Signature
   Signature
   Signature

   Date
   9/18/19
   8/10/19
   8/7/19

18. Discrepancy
   18a. Discrepancy Indication Space
   Quantity
   Type
   Residue
   Partial Rejection
   Full Rejection

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

   U.S. EPA I.D. Number
   177-BLS-C-5 55359
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<th>27b U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group, if any)</th>
<th>28. Containers</th>
<th>29. Total Quantity</th>
<th>30. Unit WL/VOl</th>
<th>31. Waste Codes</th>
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<tr>
<td>X</td>
<td>UN1479 WASTE oxidizing solid, NOS, 5.1, PG II (UP-6)</td>
<td>001 DF 60 P</td>
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<td>D001</td>
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<td>UN1479 WASTE oxidizing solid, NOS, 5.1, PG II (UP-7)</td>
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<td>D005</td>
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<td>UN1849 WASTE aluminum chloride, 8, PG II</td>
<td>001 DF 12 P</td>
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<td>D002</td>
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32. Special Handling Instructions and Additional Information:
1. RUP9813 INC E 14
2. RUP9813 INC E 14
3. RUP9813

33. Transporter Acknowledgment of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

34. Transporter Acknowledgment of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
**NON-HAZARDOUS WASTE MANIFEST**

<table>
<thead>
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<th></th>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>V3607</td>
<td>1</td>
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</table>

5. Generator's Name and Mailing Address

Abington Senior High School
800 Highland Ave, Abington, MA

6. Transporter 1 Company Name

Advanced Equipment Environmental, Inc.

7. Transporter 2 Company Name

U.S. EPA ID Number

PARK7436637

8. Designated Facility Name and Site Address

Waste Recovery Solutions
313 King Street, Waynesboro, PA

Facility's Phone:

9. Waste Shipping Name and Description

- NON DOT WASTE (N D W ROCKS)

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>Type</td>
<td>Quantity</td>
</tr>
<tr>
<td>003</td>
<td>DF</td>
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13. Special Handling Instructions and Additional Information

1. LFI 1100038316

14. GENERATOR/SHIPPER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/packed, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

**TRANSFIGURER**

**SIGNATURE**

Month Day Year

**INTERNATIONAL SHIPMENTS**

- Import to U.S.
- Export from U.S.

**TRANSPORTER SIGNATURE**

Month Day Year

15. Transporter Acknowledgment of Receipt of Materials

**Transporter 1 Printed/Typed Name**

**Signature**

Month Day Year

**Transporter 2 Printed/Typed Name**

**Signature**

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

- Quantity
- Type
- Residue
- Partial Rejection
- Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

**Printed/Typed Name**

**Signature**

Month Day Year

169-BLS-C 6 10497 (Rev. 9/09)
WASTE DISPOSAL MANIFESTS/PHOTOLOG
Abraham Lincoln High School
AUGUST 5, 2019
<table>
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<tr>
<th>Photo No.</th>
<th>Date</th>
<th>Direction Photo Taken</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8/5/19</td>
<td>Northwest</td>
<td>Entrance to the school.</td>
</tr>
<tr>
<td>2</td>
<td>8/5/19</td>
<td>Interior</td>
<td>Chemicals staged for removal.</td>
</tr>
<tr>
<td>Photo No.</td>
<td>Date</td>
<td>Direction Photo Taken</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>--------</td>
<td>------------------------</td>
<td>---------------------------------------</td>
</tr>
<tr>
<td>3</td>
<td>8/5/19</td>
<td>Interior</td>
<td>Chemicals staged for removal.</td>
</tr>
<tr>
<td>4</td>
<td>8/5/19</td>
<td>Interior</td>
<td>Chemicals staged for removal.</td>
</tr>
<tr>
<td>Photo No.</td>
<td>Date</td>
<td>Direction Photo Taken</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>------------</td>
<td>-----------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>5</td>
<td>8/5/19</td>
<td>N/A</td>
<td>Chemicals staged for removal.</td>
</tr>
<tr>
<td>6</td>
<td>8/5/19</td>
<td>N/A</td>
<td>Chemical loaded ready for transport.</td>
</tr>
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</table>
**UNIFORM HAZARDOUS WASTE MANIFEST**

1. **Generator ID Number:** VSQG
2. **Page:** 1
3. **Emergency Response Phone:** 215.335.5653
4. **Manifest Tracking Number:** 020467756 JJK

5. **Generator's Name and Mailing Address:**
   - Alex Lincoln High School - 3301 Ryan Avenue
   - Philadelphia, PA 19136
   - Generator's Phone: 215.335.5653

6. **Transporter 1 Company Name:** Facebook Systems Environmental, LLC
   - Transporter 1 Company ID Number: PA0000543637
   - Transporter 1 Phone: 215.335.5653

7. **Transporter 2 Company Name:** Republic Environmental Systems (PA), Inc.
   - Transporter 2 Company ID Number: PA0962111381
   - Transporter 2 Phone: (610) 822-2470

8. **Designated Facility Name and Site Address:**
   - Pad 095600592
   - 2869 Sandstone Drive, Hatfield, PA 19440
   - Facility Phone: (215) 822-2470

9. **U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group, if any):**

<table>
<thead>
<tr>
<th>No.</th>
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<tr>
<td>005</td>
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<td>50 P</td>
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10. **Special Handling Instructions and Additional Information:**

11. ** Congratulations:**

12. **Signature:** Lisa Quinn

13. **Date:** 08/05/19

14. **Transporter Acknowledgment of Receipt of Materials:**

15. **Site:**

16. **Discrepancy:**

17. **Signature:**

18. **Manifest Reference Number:** 409090-19

19. **Hazardous Waste Report Management Method Codes:**

20. **Signature:**

21. **U.S. EPA ID Number:**

22. **Certificate of Receipt:**

23. **Designated Facility Name:**

24. **Signature:**

25. **Date:** 08/13/19

EPA Form 8700-22 (Rev. 12-11) - Previous editions are obsolete.
Facility Name: CAPA
8/5/19

Photo No. 1

Direction Photo Taken:
East

Description:
Entrance to the school.

Photo No. 2

Date: 8/5/19

Direction Photo Taken:
Interior

Description:
Chemicals staged in classroom for removal.
<table>
<thead>
<tr>
<th>Photo No.</th>
<th>Date</th>
<th>Direction Photo Taken</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>8/5/19</td>
<td>Interior</td>
<td>Chemicals staged in storage area for removal.</td>
</tr>
<tr>
<td>4</td>
<td>8/5/19</td>
<td>Interior</td>
<td>Packing of chemicals for removal.</td>
</tr>
<tr>
<td>Photo No.</td>
<td>Date</td>
<td>Direction Photo Taken</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
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<td>-----------------------</td>
<td>---------------------------------------</td>
</tr>
<tr>
<td>5</td>
<td>8/5/19</td>
<td>Interior</td>
<td>Packing of chemical for removal.</td>
</tr>
<tr>
<td>6</td>
<td>8/5/19</td>
<td>N/A</td>
<td>Chemical loadout ready for removal.</td>
</tr>
<tr>
<td>------------------------</td>
<td>---------</td>
<td>-----------------------------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>V5AQ</td>
<td></td>
<td>264.40.8410</td>
<td>020467753 JJK</td>
</tr>
</tbody>
</table>

5. Generator's Name and Mailing Address

CAPA School
901 S. Broad St.
Philadelphia, PA 19147

6. Transporter 1 Company Name

Managa Direct Systems Environmental LLC

7. Transporter 2 Company Name

Republic Environmental Systems (PA), Inc.

8. Facility Name and Site Address

Republic Environmental Systems (PA), Inc.
3569 Silverhook Drive, Hatfield, PA 19440

9. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group, if any)

<table>
<thead>
<tr>
<th>UN</th>
<th>Description</th>
<th>No.</th>
<th>Type</th>
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<th>Unit Wt.</th>
<th>Waste Codes</th>
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<tbody>
<tr>
<td>X</td>
<td>UN1479 Waste Oxidizing Solid, NOS 5.1, PGII (Cupric Nitrile, Ferric Nitrile)</td>
<td>001</td>
<td>DF</td>
<td>14 P</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>DoD 1017</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>DoD 1011</td>
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<tr>
<td>X</td>
<td>UN3366 Waste Corrosive Liquid, Basic, Inorganic, NOS, &amp; PGII (Aniline)</td>
<td>001</td>
<td>DF</td>
<td>13 P</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>DoD 102</td>
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<tr>
<td>X</td>
<td>UN3964 Waste Corrosive Liquid, Acidic, Inorganic, NOS, &amp; PGII (Active, Sulfuric Acid)</td>
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<td>DF</td>
<td>18 P</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>DoD 103</td>
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<tr>
<td>X</td>
<td>UN1362 Carbon, Activated, 4.3, PGIII</td>
<td>001</td>
<td>DF</td>
<td>9 P</td>
<td>N/A</td>
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</tr>
<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>N/A</td>
</tr>
</tbody>
</table>

14. Special Handling Instructions and Additional Information

1. RLP9003-INC14-E
2. RLP9003-WAT110-B
3. RLP9003-INC15A
4. RLP9003-INC15D2

15. Generator/Shipper's Certification:

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/inspected, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.

I certify that the waste minimization statement identified in 40 CFR 262.37(a) if I am a large quantity generator or (b) if I am a small quantity generator is true.

Generator/Shipper's Printed Name: Kelly Connacht
Signature: Kelly Connacht
Date: 8/1/19

16. International Shipment

Import to U.S. [ ] Export from U.S. [ ]

Port of entry/exit: [ ]

Date leaving U.S.: [ ]

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed Name: [ ]
Signature: [ ]
Month: [ ] Day: [ ] Year: [ ]

Transporter 2 Printed Name: [ ]
Signature: [ ]
Month: [ ] Day: [ ] Year: [ ]

18. Discrepancy

Discrepancy indication Space [ ] Quantity [ ] Type [ ] Residue [ ] Partial Rejection [ ] Full Rejection [ ]

Manifest Reference Number: [ ]

19. Alternate Facility (or Generator)

Submits Alternate Facility (or Generator) [ ]
Signature: [ ]
Month: [ ] Day: [ ] Year: [ ]

20. Hazardous Waste Reporting Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>H1</td>
<td>Y1</td>
<td>J1</td>
<td>M1</td>
</tr>
</tbody>
</table>

21. Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in Item 19a

Printed/Typewritten Name: [ ]
Signature: [ ]
Month: [ ] Day: [ ] Year: [ ]

DESIGNATED FACILITY TO EPA'S e-MANIFEST SYSTEM
**UNIFORM HAZARDOUS WASTE MANIFEST**

**Continuation Sheet**

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>V306</td>
<td>2/27</td>
<td>020467-7753 JTK</td>
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</table>

<table>
<thead>
<tr>
<th>24. Generator’s Name</th>
<th>25. Transporter</th>
<th>26. Transporter</th>
<th>27a. 27b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAPA School</td>
<td>Company Name</td>
<td>Company Name</td>
<td>UN9943 Waste Flammable Liquid, Nos. 3, 4, II (Propanol, Ethanol)</td>
</tr>
<tr>
<td>901 S. Broad St</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Philadelphia PA 19147</td>
<td></td>
<td></td>
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<table>
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<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>No. Type</td>
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<td></td>
<td>D00</td>
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<table>
<thead>
<tr>
<th>32. Special Handling Instructions and Additional Information</th>
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<tbody>
<tr>
<td>R-60803-AF07</td>
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</table>

**GENERATOR**

<table>
<thead>
<tr>
<th>33. Transporter</th>
<th>Acknowledgment of Receipt of Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Printed/Typed Name</td>
<td>Signature</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>34. Transporter</th>
<th>Acknowledgment of Receipt of Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Printed/Typed Name</td>
<td>Signature</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>35. Discrepancy</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal and recycling systems)</th>
</tr>
</thead>
</table>

EPA Form 8700-22A (Rev. 12-17) Previous editions are obsolete.
**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: VSQG
2. Page: 1 of 6
3. Emergency Response Phone: 254-4608410
4. Manifest Tracking Number: 020467759 JJK

5. Generator’s Name and Mailing Address:
   - Capa School
   - 901 S. Broad St
   - Philadelphia PA 19147
   - Generator’s Site Address (if different than mailing address)

6. Generator’s Phone: 254-4608410

7. Transporter 1 Company Name:
   - Mancin Direct Systems Environmental, LLC
   - U.S. EPA ID Number: PA000543637

8. Transporter 2 Company Name:
   - U.S. EPA ID Number

9a. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group, if any):
   - UN2037 Waste Gas Cartridges, Flamable

10. Containers
    - No. Type Quantity
    - 2 CY 30 P

14. Special Handling Instructions and Additional Information

15. Generator/Shipper’s Certification: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

   Generator/Shipper’s Printed/Typed Name: Kelly Lacknot
   Signature: Kelly Lacknot
   Month: 8
   Day: 15
   Year: 19

16. International Shipments
    - Import to U.S.
    - Export from U.S.
    - Port of entry (city, state or country)
    - Date leaving U.S.

17. Transporter Acknowledgment of Receipt of Materials
    - Transporter 1 Printed/Typed Name: Theodore Bush Jr
    - Signature: Theodore Bush Jr
    - Month: 8
    - Day: 5
    - Year: 19

18. Discrepancy
    - 18a. Discrepancy Indication Space
      - Quantity Type
      - Residue Partial Rejection
      - Full Rejection

19. Alternate Facility (or Generator)
    - Facility’s Phone:
    - Signature of Alternate Facility (or Generator): Annie E. Hied
    - Month: 8
    - Day: 9
    - Year: 19

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
    - Printed/Typed Name: Annie E. Hied
    - Signature: Annie E. Hied
    - Month: 8
    - Day: 9
    - Year: 19
WASTE DISPOSAL MANIFESTS/PHOTOLOG
Methacton High School
AUGUST 6, 2019
<table>
<thead>
<tr>
<th>Photo No.</th>
<th>Date</th>
<th>Direction Photo Taken</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>8/6/19</td>
<td>North</td>
<td>Entrance to the school.</td>
</tr>
<tr>
<td>2</td>
<td>8/6/19</td>
<td>Interior</td>
<td>Chemicals staged for removal.</td>
</tr>
<tr>
<td>Photo No.</td>
<td>Date</td>
<td>Direction Photo Taken</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>------------</td>
<td>------------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>3</td>
<td>8/6/19</td>
<td>Interior</td>
<td>Chemicals staged for removal.</td>
</tr>
<tr>
<td>4</td>
<td>8/6/19</td>
<td>Interior</td>
<td>Chemicals staged for removal.</td>
</tr>
</tbody>
</table>
**AECOM PHOTOGRAPHIC LOG**

Facility Name:  
Methacton High School  
1005 Kriebel Mill Road Norristown, PA  19403  
Project No.  
60609046

<table>
<thead>
<tr>
<th>Photo No.</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>8/6/19</td>
<td>Preparation of chemicals for removal.</td>
</tr>
<tr>
<td>6</td>
<td>8/6/19</td>
<td>Chemical loaded ready for transport.</td>
</tr>
</tbody>
</table>
**UNIFORM HAZARDOUS WASTE MANIFEST**

1. **Generator Name**: Nathan E. Shriver High School - 1005 E. 26th St, Altoona, PA 16602
2. **Emergency Response Phone**: 610-497-5000
3. **Manifest Tracking Number**: 020467757 JJK
4. **U.S. EPA ID Number**: PA000053637
5. **Designated Facility Name and Site Address**: PA000053637
6. **Facility Phone**: 610-22-940

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Container No.</th>
<th>Total Quantity</th>
<th>Unit Wt.</th>
<th>Waste Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN 1943 Waste Flammable Liquid, NOS, 3, P111 (Acetone, Hexane)</td>
<td>001 DF</td>
<td>14 P</td>
<td>0001</td>
<td></td>
</tr>
<tr>
<td>UN 1700 Waste Corrosive Liquid, NOS, 8, P111 (Indin, Inorganic Acid)</td>
<td>001 NF</td>
<td>2 P</td>
<td>0001</td>
<td></td>
</tr>
<tr>
<td>UN 3139 Waste Oxidizing Liquid, NOS, 51, P111 (Silver, Nitrate)</td>
<td>001 DF</td>
<td>2 P</td>
<td>0001</td>
<td></td>
</tr>
</tbody>
</table>

**Special Handling Instructions and Additional Information**

1. RLD 1912-AF07
2. RLD 1912-WAT16-A

**Transporter Information**

1. **Transporter Name**: Ted J. Backer
2. **Transporter Signature**: 
3. **Date leaving U.S.**: 08-04-19

**Discrepancy**

1a. Discrepancy Indication Space
2a. Quantity
3a. Type
4a. Resolve
5a. Partial Rejection
6a. Full Rejection

**Manifest Reference Number**: 3673329

**EPA Form 8700-22 (Rev. 2/99) Previous editions are obsolete**

**Designated Facility to EPA's E-manifest System**
WASTE DISPOSAL MANIFESTS/PHOTOLOG
Northeast High School
AUGUST 5, 2019
**Facility Name:** Northeast High School  
**Project No.:** 60609046

<table>
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<tr>
<th>Photo No.</th>
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<tbody>
<tr>
<td>1</td>
<td>8/5/19</td>
<td>Northeast</td>
<td>Entrance to the school.</td>
</tr>
<tr>
<td>2</td>
<td>8/5/19</td>
<td>Interior</td>
<td>Chemicals staged for removal.</td>
</tr>
</tbody>
</table>
### Photo No. 3
**Date:** 8/5/19
**Direction Photo Taken:** Interior
**Description:** Chemicals staged for removal.

### Photo No. 4
**Date:** 8/5/19
**Direction Photo Taken:** Interior
**Description:** Chemicals being packed for removal.
### PHOTOGRAPHIC LOG

<table>
<thead>
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<th>Photo No.</th>
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<th>Description</th>
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</thead>
<tbody>
<tr>
<td>5</td>
<td>8/5/19</td>
<td>N/A</td>
<td>Packed and labelled chemicals ready for removal.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Photo No.</th>
<th>Date</th>
<th>Direction Photo Taken</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>8/5/19</td>
<td>N/A</td>
<td>Chemical loadout ready for removal.</td>
</tr>
</tbody>
</table>
**UNIFORM HAZARDOUS WASTE MANIFEST**

**1. Generator ID Number:**

NORTHWEST HIGH SCHOOL, 1601 COTTMAN AVE

**2. Page 1 of 2**

**3. Generator's Contact Information:**

Manor Dr. Systems Environmental, LLC

**4. Generator's Site Address:**

Philadelphia, PA 19131

**5. U.S. EPA ID Number:**

PAR0000143367

**6. Facility Name and Site Address:**

Republic Environmental Systems (PA), Inc.

3869 Sandstone Drive, Hatfield, PA 19440

**7. Facility's Phone:**

(215) 832-2070

**8. Package Numbers:**

- UN3366, WASTE CORROSIVE LIQUID, BASIC
  - UN1474, WASTE OXIDIZING SOLID, NOS 5.1, PG III
  - UN1550, SULFUR, 4.1, PG II
  - UN1700, WASTE CORROSIVE LIQUID, NOS 8, PG II

**9. U.S. DOT Description:**

- UN3366, WASTE CORROSIVE LIQUID, BASIC
  - UN1474, WASTE OXIDIZING SOLID, NOS 5.1, PG III
  - UN1550, SULFUR, 4.1, PG II
  - UN1700, WASTE CORROSIVE LIQUID, NOS 8, PG II

**10. Containers:**

<table>
<thead>
<tr>
<th>Container No.</th>
<th>Type</th>
<th>Description</th>
<th>Quantity</th>
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</thead>
<tbody>
<tr>
<td>001</td>
<td>DF</td>
<td>UN3366</td>
<td>27 P</td>
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<tr>
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<td>DF</td>
<td>UN1474</td>
<td>6 P</td>
</tr>
<tr>
<td>001</td>
<td>DF</td>
<td>UN1550</td>
<td>10 P</td>
</tr>
<tr>
<td>001</td>
<td>DF</td>
<td>UN1700</td>
<td>6 P</td>
</tr>
</tbody>
</table>

**11. Waste Codes:**

- UN3366: D005
- UN1474: D001
- UN1550: N/A
- UN1700: D007

**12. Packages:**

- RL99800 - WAT16
- RL99800 - INC15
- RL99800 - INC14

**13. Manifest Date:**

06/05/19

**14. Generator/Shipper's Certification:**

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled, and are shipped in proper condition for transport according to applicable international and national governmental regulations.

Export Date: 06/05/19

**15. Additional Information:**

- Import to U.S.:
- Export from U.S.:
- Port of entry:
- Date leaving U.S.:

**16. Discrepancy:**

Type: Quantity (for exports only)

**17. Manifest Reference Number:**

**18. Alternate Facility (or Generator):**

**19. EPA Form 8700-22 (Rev. 12-11) Previous editions are obsolete**

**Signature:**

**Designated Facility:**

H. D. L. S. C. S.
WASTE DISPOSAL MANIFESTS/PHOTOLOG
Pennridge High School
AUGUST 6, 2019
## AECOM

### PHOTOGRAPHIC LOG

<table>
<thead>
<tr>
<th>Facility Name:</th>
<th>1228 North 5th Street Perkasie, PA 18944</th>
<th>Project No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pennridge High School</td>
<td></td>
<td>60609046</td>
</tr>
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<table>
<thead>
<tr>
<th>Photo No.</th>
<th>Date</th>
<th>Direction Photo Taken</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>8/6/19</td>
<td>Northwest</td>
<td>Entrance to the school.</td>
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</table>

<table>
<thead>
<tr>
<th>Photo No.</th>
<th>Date</th>
<th>Direction Photo Taken</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>8/6/19</td>
<td>Interior</td>
<td>Chemicals staged for removal.</td>
</tr>
<tr>
<td>Photo No.</td>
<td>Date</td>
<td>Direction Photo Taken</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>-----------</td>
<td>------------------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>3</td>
<td>8/6/19</td>
<td>Interior</td>
<td>Chemicals staged for removal.</td>
</tr>
<tr>
<td>4</td>
<td>8/6/19</td>
<td>Interior</td>
<td>Chemicals staged for removal.</td>
</tr>
<tr>
<td>Photo No.</td>
<td>Date</td>
<td>Direction Photo Taken</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>--------</td>
<td>------------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>5</td>
<td>8/6/19</td>
<td>N/A</td>
<td>Chemicals staged for removal.</td>
</tr>
<tr>
<td>6</td>
<td>8/6/19</td>
<td>N/A</td>
<td>Chemical loaded ready for transport.</td>
</tr>
</tbody>
</table>
**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator IC Number: V5QG
2. Page 1 of: 1
3. Emergency Response Phone: 215.453.6944
4. Manifest Tracking Number: 020467751 JJK

5. Generator's Name and Mailing Address:
   Pennridge High School - 1228 N. 5th St.
   Perkasie, PA 18944

6. Generator's Phone: 215.453.6944

7. Transporter 1 Company Name: Manage Direct Systems Environmental, LLC
   Address: 1320 E. Sunflower Way, STE 101
   Wittman, WI 53976
   U.S. EPA ID Number: PA000549237

8. Designated Facility Name and Site Address:
   Republic Environmental Systems (PA) Inc.
   2869 Sandstone Drive, Hatfield, PA 19440
   U.S. EPA ID Number: PAD095690542

9a. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)):

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
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<tbody>
<tr>
<td>X</td>
<td>3.546</td>
<td>3,546 Waste Flammable Liquid, NOS, 3,546</td>
<td>10 P</td>
<td>P</td>
</tr>
<tr>
<td>X</td>
<td>3.1</td>
<td>3.1 Waste Corrosive Liquid, Acidic, Inorganic, NOS, 3,1</td>
<td>5 P</td>
<td>P</td>
</tr>
</tbody>
</table>

10. Container No.: 001 DF

11. Total Quantity: 001 DF

12. Unit of Measure: 10 P

13. Waste Codes: D001, U10

14. Special Handling Instructions and Additional Information:

1. PCL9811-AFT
2. PCL9811-LF06

Order: 306.4549
Document: 409650-19

15. GENERATOR'S/SUFFERER'S CERTIFICATION:
Therby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/branded, and are in all respects in proper condition for transport according to applicable international and national environmental regulations, if export shipment and I am the Primary Exporter. I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent Document:

I certify that the waste minimization statement identified in 40 CFR 262.27(a) if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Operator's Printed Name: Dina Yemen
Signature: 08 06 2009

16. International Shipment: [ ] Import to U.S. [ ] Export from U.S.
Transporter signature (for export only):

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James E. Bluedorn Jr.
Signature: 09 06 19
Month: Day: Year

Transporter 2 Printed/Typed Name: David D. Bluedorn
Signature: 09 06 19
Month: Day: Year

18. Discrepancy

18a. Discrepancy Indication Space: [ ] Quantity [ ] Type [ ] Residue [ ] Partial Rejection [ ] Full Rejection

19. Hazardous Waste Report Management Method Codes (e.g., codes for hazardous waste treatment, disposal, and recycling systems)

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Designated Facility Name: Republic Environmental Systems (PA) Inc.
Address: 2869 Sandstone Drive, Hatfield, PA 19440
Signature: David D. Bluedorn

EPA Form 8700-22 (Rev. 1-27) Previous editions are obsolete.
**UNIFORM HAZARDOUS WASTE MANIFEST**

1. **Generator ID Number**: VSQG

2. **Page 1 of 4**

3. **Emergency Response Phone**: 215.453.6144

4. **Manifest Tracking Number**: 011652430 FLE

5. **Generator's Name and Mailing Address**
   - Pennridge High School
   - 1228 N 5th St
   - Perkasie, PA 18944

6. **Transporter Company Name**
   - Manage Direct Systems Environmental, LLC

7. **Transporter 2 Company Name**
   - U.S. EPA ID Number: PA000543637

8. **Designated Facility Name and Site Address**
   - Cycle Chem, Inc
   - 550 Industrial Dr.
   - Lewisberry, PA 17339

9. **HM**
   - 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))

   - UN1043 Waste Hydrogen, Compressed

10. **Containers**
    - No. 1
    - Type CY
    - Total Quantity 005
    - Unit Wt/Vol. 10 P

14. **Special Handling Instructions and Additional Information**

15. **GENERATOR’S/SHIPPER’S CERTIFICATION**:
   - I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/packaged, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.

   - I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

   - Signature: Dina Dormer
   - Date: 08 06 2019

16. **International Shipments**
   - Import to U.S.
   - Export from U.S.

17. **Transporter Acknowledgment of Receipt of Materials**
   - Transporter 1 Printed/Typed Name: Busch Jr
   - Transporter 2 Printed/Typed Name:

18. **Discrepancy**
   - 18a. Discrepancy Indication Space
   - Quantity
   - Type
   - Residue
   - Partial Rejection
   - Full Rejection

19. **Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)**

20. **Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest as set out as noted in Item 18a**
   - Printed/Typed Name: Annie E. Hild
   - Signature: Annie E. Hild
   - Date: 08 19 19

---

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.
WASTE DISPOSAL MANIFESTS/PHTOTOLOG
William Bodine School for International Affairs
AUGUST 5, 2019
<table>
<thead>
<tr>
<th>Photo No.</th>
<th>Date</th>
<th>Direction Photo Taken</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8/5/19</td>
<td>East</td>
<td>Entrance to the school.</td>
</tr>
<tr>
<td>2</td>
<td>8/5/19</td>
<td>Interior</td>
<td>Chemicals staged in storage area for removal.</td>
</tr>
</tbody>
</table>
### Facility Name:
William Bodine School for International Affairs

### Project No.
60609046

### Photo No. 3
**Date:** 8/5/19

**Direction Photo Taken:** Interior

**Description:** Chemicals staged for removal.

### Photo No. 4
**Date:** 8/5/19

**Direction Photo Taken:** N/A

**Description:** Chemicals staged in storage area for removal.
<table>
<thead>
<tr>
<th>Photo No.</th>
<th>Date</th>
<th>Direction Photo Taken</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>8/5/19</td>
<td>N/A</td>
<td>Packed chemicals ready for removal.</td>
</tr>
<tr>
<td>6</td>
<td>8/5/19</td>
<td>N/A</td>
<td>Chemical loadout ready for removal.</td>
</tr>
<tr>
<td>UN Number</td>
<td>Description</td>
<td>Class</td>
<td>Quantity</td>
</tr>
<tr>
<td>-----------</td>
<td>------------------------------</td>
<td>-------</td>
<td>----------</td>
</tr>
<tr>
<td>UN 2809</td>
<td>Waste Mercury, E, PG II</td>
<td>6</td>
<td>10</td>
</tr>
<tr>
<td>UN 2721</td>
<td>Waste Nitric Acid, E, PG II</td>
<td>6</td>
<td>10</td>
</tr>
<tr>
<td>UN 1993</td>
<td>Waste Flammable Liquid, No5</td>
<td>3</td>
<td>20</td>
</tr>
<tr>
<td>UN 2664</td>
<td>Waste Corrosive Liquid, Acetic, No5, PG II</td>
<td>8</td>
<td>20</td>
</tr>
</tbody>
</table>

**12. Wastes Codes:**

1. RLP9805 - AE14
2. RLP9805 - IC14-A
3. RLP9805 - AF07
4. RLP9805 - VAE1-A

**13. Manifest Reference Number:**

JUL 14 2015

**14. Manifest Tracking Number:**

020467754 JJK
WASTE DISPOSAL MANIFESTS/PHOTOLOG
Benton Area School District
AUGUST 14, 2019
<table>
<thead>
<tr>
<th>Photo No.</th>
<th>Date</th>
<th>Direction Photo Taken</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8/14/19</td>
<td>Northwest</td>
<td>Entrance to the school with sign.</td>
</tr>
<tr>
<td>2</td>
<td>8/14/19</td>
<td>Interior</td>
<td>Chemicals staged for removal.</td>
</tr>
<tr>
<td>Photo No.</td>
<td>Date</td>
<td>Direction Photo Taken</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>------------</td>
<td>-----------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>3</td>
<td>8/14/19</td>
<td>Interior</td>
<td>Chemicals being packed.</td>
</tr>
<tr>
<td>4</td>
<td>8/14/19</td>
<td>Interior</td>
<td>Chemicals packed in vermiculite.</td>
</tr>
</tbody>
</table>
Facility Name: Benton Area School District
600 Green Acres Road Benton, PA 17814
Project No. 60609046

Photo No. 5  Date: 8/14/19
Direction Photo Taken: Interior

Description:
Proper labeling of containers.

Photo No. 6  Date: 8/14/19
Direction Photo Taken: N/A

Description:
Chemicals ready for transport.
<table>
<thead>
<tr>
<th>Container No</th>
<th>Type</th>
<th>Unit Weight</th>
<th>Waste Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>DF</td>
<td>2</td>
<td>P</td>
</tr>
<tr>
<td>001</td>
<td>DF</td>
<td>4</td>
<td>P</td>
</tr>
<tr>
<td>001</td>
<td>DF</td>
<td>18</td>
<td>P</td>
</tr>
</tbody>
</table>

19. Generator/Shipper’s Certification: I hereby declare that the contents of this consignment are truly and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/inscribed, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the primary exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgement of Consent.

20. Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a.

EPA Form B700-22 (Rev. 12-17) Previous editions are obsolete.
WASTE DISPOSAL MANIFESTS/PHOTOLOG
Ferndale Area Junior/Senior High School
AUGUST 15, 2019
### Facility Name:
Ferndale Area JR/SR High School

### Project No.
600 Harlan Avenue, Johnstown, PA  15905

<table>
<thead>
<tr>
<th>Photo No.</th>
<th>Date</th>
<th>Direction Photo Taken</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8/15/19</td>
<td>Northwest</td>
<td>Main entrance to the school.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Photo No.</th>
<th>Date</th>
<th>Direction Photo Taken</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>8/15/19</td>
<td>Interior</td>
<td>Chemicals staged for removal.</td>
</tr>
</tbody>
</table>
Facility Name: Ferndale Area JR/SR High School

600 Harlan Avenue, Johnstown, PA 15905

Project No. 60609046

<table>
<thead>
<tr>
<th>Photo No.</th>
<th>Date</th>
<th>Direction Photo Taken</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>8/15/19</td>
<td>Interior</td>
<td>Chemicals staged for removal.</td>
</tr>
<tr>
<td>4</td>
<td>8/15/19</td>
<td>Interior</td>
<td>Chemicals staged for removal.</td>
</tr>
<tr>
<td>Photo No.</td>
<td>Date</td>
<td>Direction Photo Taken</td>
<td>Description</td>
</tr>
<tr>
<td>-----------</td>
<td>----------</td>
<td>------------------------</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td>5</td>
<td>8/15/19</td>
<td>N/A</td>
<td>Chemicals being packed in vermiculite.</td>
</tr>
<tr>
<td>6</td>
<td>8/15/19</td>
<td>N/A</td>
<td>Chemical loaded ready for transport.</td>
</tr>
</tbody>
</table>
**UNIFORM HAZARDOUS WASTE MANIFEST**

**Generator's Name:** Direct Systems Environmental, Inc.

**Address:**
- 550 INDUSTRIAL DRIVE, LEWISBURG, PA 17839
- 717-334-4700

**Facility's Name:**
- 605 HARLAN AVE, JOHNSTOWN, PA 15955
- 412-288-9110

**U.S. EPA ID Number:** PAD067088222

**Identifying Information:**
- **Alternate Facility (if applicable):**
- **Transporter:**
  - Name: Bruce A. "Bud" Johnson
  - Signature: [Signature]
  - Date: 08/01/19

**Waste Descriptions:**
- **UN1176:** Waste Oxidizing solid, n.o.s. (CALCIUM CHLORATE, POTASSIUM IODATE), 8, 1, I2
  - Qty: 001 DF 60 P
  - Waste Code: D006, D003

- **UN2988:** Waste Toxic solid, inorganic, n.o.s. (BARIUM CHLORIDE, LEAD CHLORIDE), 8, 1, I1
  - Qty: 001 DF 20 P
  - Waste Code: D008, D006

- **UN2813:** Waste Moisture-reactive solid, n.o.s. (CALCIUM CARBIDE, CALCIUM METAL), 4, 3, I1
  - Qty: 001 DF 8 P
  - Waste Code: D001

- **UN1560:** Corrosive liquid, n.o.s. (OXalic ACID), 8, 1, I1
  - Qty: 0
  - Waste Code: NONE

**Transporter Signature:** [Signature] 08/01/19

**Designated Facility:**
- **Owner:** Gretchan Bayer
- **Signature:** [Signature] 08/15/19

**Transporter's Name:** Bruce A. "Bud" Johnson

**Transporter's Signature:** [Signature] 08/01/19

**Date of Manifest:** 08/01/19
### UNIFORM HAZARDOUS WASTE MANIFEST

**Continuation Sheet**

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Total Quantity</th>
<th>Waste Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>8) UN1494, Waste Sodium sulfide, hydrated, 8, II</td>
<td>001 DF 20</td>
<td>D001 D002</td>
<td></td>
</tr>
<tr>
<td>7) UN1003, Waste Flammable liquids, n.o.s. (METHANOL, ETHANOL), 3, II</td>
<td>001 DF 20</td>
<td>D001 D002 U154</td>
<td></td>
</tr>
<tr>
<td>8) UN1325, Waste Flammable solids, organic, n.o.s. (NAPHTHALENE, SULFURE), 4, 1, III</td>
<td>001 DF 10</td>
<td>U155</td>
<td></td>
</tr>
<tr>
<td>9) UN2789, Waste Acetic acid, glacial, 8 (3), II</td>
<td>001 DF 8</td>
<td>D001 D002</td>
<td></td>
</tr>
<tr>
<td>10) UN3284, Waste Corrosive liquid, acidic, inorganic, n.o.s. (HYDROCHLORIC ACID, SULFURIC ACID), 8, II</td>
<td>001 DF 25</td>
<td>D002</td>
<td></td>
</tr>
<tr>
<td>11) UN3285, Waste Corrosive liquid, basic, inorganic, n.o.s. (AMMONIUM HYDROXIDE, SODIUM HYDROXIDE), 8, II</td>
<td>002 DF 300</td>
<td>W/A</td>
<td></td>
</tr>
</tbody>
</table>

### Special Handling Instructions and Additional Information

... (Details not visible in the image)

### Acknowledgment of Receipt of Materials

<table>
<thead>
<tr>
<th>Name</th>
<th>Signature</th>
<th>Month</th>
<th>Day</th>
<th>Year</th>
</tr>
</thead>
</table>

### Discrepancy

... (Details not visible in the image)
WASTE DISPOSAL MANIFESTS/PHOTOLOG
Greater Latrobe Senior High School
AUGUST 15, 2019
<table>
<thead>
<tr>
<th>Photo No.</th>
<th>Date</th>
<th>Direction Photo Taken</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8/15/19</td>
<td>North</td>
<td>Main entrance to the school.</td>
</tr>
<tr>
<td>2</td>
<td>8/15/19</td>
<td>Interior</td>
<td>Chemicals staged for removal.</td>
</tr>
<tr>
<td>Photo No.</td>
<td>Date</td>
<td>Direction Photo Taken</td>
<td>Description</td>
</tr>
<tr>
<td>-----------</td>
<td>----------</td>
<td>------------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>3</td>
<td>8/15/19</td>
<td>Interior</td>
<td>Chemicals staged for removal.</td>
</tr>
<tr>
<td>4</td>
<td>8/15/19</td>
<td>Interior</td>
<td>Chemicals staged for removal.</td>
</tr>
<tr>
<td>Photo No.</td>
<td>Date:</td>
<td>Direction Photo Taken:</td>
<td>Description:</td>
</tr>
<tr>
<td>-----------</td>
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<td>------------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>5</td>
<td>8/15/19</td>
<td>N/A</td>
<td>Chemicals packed, labeled and ready for removal.</td>
</tr>
<tr>
<td>6</td>
<td>8/15/19</td>
<td>N/A</td>
<td>Chemical loaded ready for transport.</td>
</tr>
</tbody>
</table>
**UNIFORM HAZARDOUS WASTE MANIFEST**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Quantity</th>
<th>Code</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UN1983, Waste Flammable liquids, n.o.s. (LP-01),</td>
<td>30</td>
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<td>DF</td>
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<tr>
<td></td>
<td>3, II</td>
<td></td>
<td>0316</td>
<td>P</td>
</tr>
<tr>
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<td></td>
<td></td>
<td>010</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>UN3289, Waste Toxic solid, inorganic, n.o.s.</td>
<td>10</td>
<td>001</td>
<td>DF</td>
</tr>
<tr>
<td></td>
<td>(LP-02), 6, 1, I</td>
<td></td>
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<td>012</td>
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<tr>
<td>3</td>
<td>UN1479, Waste Oxidizing solid, n.o.s. (LP-03),</td>
<td>15</td>
<td>001</td>
<td>DF</td>
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<td></td>
<td>5, 1, II</td>
<td></td>
<td>0301</td>
<td>P</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>007</td>
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</tr>
<tr>
<td>4</td>
<td>UN1325, Waste Flammable solids, organic, n.o.s.</td>
<td>5</td>
<td>001</td>
<td>DF</td>
</tr>
<tr>
<td></td>
<td>(LP-04), 4, 1, II</td>
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<td>P</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>0165</td>
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</tbody>
</table>

14. Special Handling Instructions and Additional Information

**1. Profile#83850 LP-01 DOT ERG#128**

**2. Profile#83850 LP-02 DOT ERG#151**

**3. Profile#83850 LP-03 DOT ERG#140**

15. **GENERATOR/SHIPPER CERTIFICATION**: I hereby declare that the contents of the container are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled in accordance with, and are in all respects in proper condition for transport according to, applicable international and national governmental regulations. I am the Primary Exporter, and I certify the contents of the container conform to the terms of the attached EPA Acknowledgment of Consent.

**Signature**

**Jeff Edge**

**Date**

08 15 19

**TRANSPORTER INCL.**

17. Transporter Acknowledgment of Receipt of Materials

**Signature**

**Date**

08 15 19

**18a. Discrepancy**

- Quantity
- Type
- Residue
- Partial Rejection
- Full Rejection

**Manne Ref. No.:**

**U.S. EPA ID No.:**

**Facility:**

**Designated Facility to EPA’s MANIFEST SYSTEM**

**Gretchen Bayer**

**Date:**

08 15 19

**EPA Form 390-22 (Rev. 12-17), Previous editions are obsolete.**
<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Type</th>
<th>Quantity</th>
<th>Unit</th>
<th>Waste Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>UN1338, Waste Phosphorus, amorphous, 4.1, III</td>
<td>001</td>
<td>DF</td>
<td>2</td>
<td>P</td>
</tr>
<tr>
<td>6</td>
<td>UN2025, Waste Mercury compounds, solid, n.o.s. (LP-06), 8.1, II</td>
<td>001</td>
<td>DF</td>
<td>3</td>
<td>P</td>
</tr>
<tr>
<td>7</td>
<td>UN1728, Waste Aluminum chloride, anhydrous, 8, II</td>
<td>001</td>
<td>DF</td>
<td>8</td>
<td>P</td>
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<tr>
<td>8</td>
<td>UN1131, Waste Carbon disulfide, 3 (6.1), I</td>
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<td>9</td>
<td>UN3205, Waste Corrosive liquid, acidic, organic, n.o.s. (LP-04), 8, II</td>
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<td>DF</td>
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<td>P</td>
</tr>
<tr>
<td>10</td>
<td>UN1840, Waste Sodium sulfide, hydrated, 8, II</td>
<td>001</td>
<td>DF</td>
<td>2</td>
<td>P</td>
</tr>
</tbody>
</table>

32. Special Handling Instructions and Additional Information

33. Transportation Acknowledgment of Receipt of Materials
   
34. Transportation Acknowledgment of Receipt of Materials
   
35. Discrepancy

36. Hazardous Waste Reporting Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

H41  H41  H41  H141  H141
WASTE DISPOSAL MANIFESTS/PHOTOLOG
St. Joseph High School
AUGUST 20, 2019
Facility Name: St. Joseph High School
800 Montana Avenue, Natrona Heights, PA 15065
Project No. 60609046

Photo No. 1
Date: 8/20/19
Direction Photo Taken: Southeast

Description:
Entrance to the school.

Photo No. 2
Date: 8/20/19
Direction Photo Taken: Interior

Description:
Chemicals staged for removal.
## Facility Name:
St. Joseph High School

## Project No.
60609046

<table>
<thead>
<tr>
<th>Photo No.</th>
<th>Date</th>
<th>Direction Photo Taken</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>8/20/19</td>
<td>Interior</td>
<td>Chemicals staged for removal.</td>
</tr>
<tr>
<td>4</td>
<td>8/20/19</td>
<td>Interior</td>
<td>Chemicals staged for removal.</td>
</tr>
<tr>
<td>Photo No.</td>
<td>Date</td>
<td>Direction Photo Taken</td>
<td>Description</td>
</tr>
<tr>
<td>-----------</td>
<td>------------</td>
<td>------------------------</td>
<td>--------------------------------------------------------------</td>
</tr>
<tr>
<td>5</td>
<td>8/20/19</td>
<td>Interior</td>
<td>Chemicals staged for removal.</td>
</tr>
<tr>
<td>6</td>
<td>8/20/19</td>
<td>N/A</td>
<td>Chemical packaged and labeled ready for transport.</td>
</tr>
</tbody>
</table>
## UNIFORM HAZARDOUS WASTE MANIFEST

**St. Joseph High School**
800 Montana Ave, National Heights, PA 15005

**Transporter 1 Company Name**
Midwest Environmental Transport Inc.

**Transporter 2 Company Name**

**Transporter 2 Phone**

**Designated Facility Name and Site Address**
Cycle Chem Inc., 530 Industrial Drive, Lewisburg, PA 17839

**9a. HM**

<table>
<thead>
<tr>
<th>Substance Description</th>
<th>No.</th>
<th>Type</th>
<th>Total Quantity</th>
<th>Unit Qty</th>
<th>Waste Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste Oxidizing Liquid, Nos. 5.1, PG II (L-P)</td>
<td>001</td>
<td>DF</td>
<td>25</td>
<td>P</td>
<td>D005, D001</td>
</tr>
<tr>
<td>Waste Toxic Solid, Inorganic, Nos. 5.1, PG II (L-P)</td>
<td>001</td>
<td>DF</td>
<td>4</td>
<td>P</td>
<td>D005, D011</td>
</tr>
<tr>
<td>Waste Flammable Liquid, Nos. 3, PG II (L-P)</td>
<td>001</td>
<td>DF</td>
<td>28</td>
<td>P</td>
<td>D005</td>
</tr>
<tr>
<td>Waste Corrosive Liquid, Basic, Inorganic, Nos. 8, PG II (L-P)</td>
<td>001</td>
<td>DF</td>
<td>3</td>
<td>P</td>
<td>D005</td>
</tr>
</tbody>
</table>

**14. Special Handling Instructions and Additional Information**
1. ERG 140
2. ERG 151
3. ERG 153
4. ERG 154

**15. GENERATOR'S/OWNER'S CERTIFICATION**
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/characterized, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment I am the Primary Exporter and I certify that the contents of this consignment conform to the terms of the attached EPA Exports Declaration. I certify that the waste minimization statement identified in 40 CFR 262.7(a) (i.e. large or small quantity generator) is true.

**16. International Shipment**
- Import to U.S.
- Export from U.S.

**17. Transporter Acknowledgment of Receipt of Materials**

**18. Discrepancy**

<table>
<thead>
<tr>
<th>Discrepancy Indicator</th>
<th>Description</th>
<th>Quantity</th>
<th>Type</th>
<th>Residue</th>
<th>Partial Rejection</th>
<th>Full Rejection</th>
</tr>
</thead>
</table>

**18b. Alternate Facility (or Generator)**

**18c. Signature of Alternate Facility (or Generator)**


**20. Designated Facility Owner or Operator**

**DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM**

**EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.**
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>UN12809 WASTE MERCURY, 8, PGIII</td>
<td>001 DF</td>
<td>1 P</td>
<td>DW9</td>
<td></td>
</tr>
<tr>
<td>NON DOT / NON EPA S之美</td>
<td>001 DF</td>
<td>30 P</td>
<td>NA</td>
<td></td>
</tr>
</tbody>
</table>

32. Special Handling Instructions and Additional Information

5. ERG 172

33. Transporter Acknowledgment of Receipt of Materials

Printed/Typed Name: 
Signature:  
Month Day Year:  

34. Transporter Acknowledgment of Receipt of Materials

Printed/Typed Name: 
Signature:  
Month Day Year:  

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

441

EPA Form 8700-22A (Rev. 12-17) Previous editions are obsolete.