2020 SCHOOL CHEMICAL CLEANOUT
PROJECT REPORT

PADEP CONTRACT SAP# 4000023221
WORK REQUISITION NO. GTAC7-0-447

Prepared For:

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Prepared by:
HDR ENGINEERING, INC

OCTOBER 2020
October 1, 2020

Ms. Hoa Dao  
Pennsylvania Department of Environmental Protection  
Bureau of Waste Management  
Rachel Carson State Office Building  
P.O. Box 69170  
400 Market Street  
Harrisburg, PA 17105-9170

Subject: Letter Report for the 2020 School Chemical Cleanout Project  
PADEP Contract No. SAP4000023221  
Work Requisition No. GTAC7-0-447

Dear Ms. Dao,

HDR Engineering, Inc. (HDR) is pleased to present the Pennsylvania Department of Environmental Protection (PADEP) with this letter report, which provides details of the 2020 School Chemical Cleanout Project, for your review and comment. The information contained within this letter is based on the scope of work request for general technical assistance services HDR received from the PADEP in June 2020. The letter report details the project’s field activities and provides the contractor’s documentation and manifest information for the project.

HDR’s scope of work was to assist and administer the 2020 School Chemical Cleanout Project within Pennsylvania in support of the Environmental Protection Agency (EPA) School Chemical Cleanout Campaign (SC3), which is a national effort to raise awareness to potential chemical dangers in K-12 schools. The project provides the opportunity for the Pennsylvania (PA) school districts to present an application and inventory of unused chemicals for evaluation of funds for disposal of unwanted chemicals. There were five (5) schools selected to receive grants for this project. See Table 1 for the complete list of schools associated with this project.

Upon notification of the selected schools, HDR procured a chemical waste subcontractor to safely remove and dispose the unwanted chemicals from the schools. The project was to help facilitate proper removal of chemicals and help to prevent future problems with chemicals in schools. While the EPA program covers grades K-12, the primary emphasis of this cleanout project was to address chemical disposal within the middle and high schools (particularly chemistry, science and industrial arts programs).

HDR subcontracted the chemical handling and disposal requirements to ACV Environmental Services, Inc. (ACV) of 550 Industrial Drive, Lewisberry, PA. Unwanted
chemicals were collected from the five (5) selected schools during August 13, 2020 to August 18, 2020. A total of 2,739 pounds of unwanted chemicals were collected and properly disposed of from the schools. Table 2 provides the list of selected schools, the dates of collection, and the total amount of chemicals collected from each school.

HDR provided oversight and assistance to the subcontractor during the chemical handling and disposal services. Attachments A through E contain work logs, photographs, and waste manifests of the individual work at each school.

If you have any questions or comments, please feel free to contact me at (717) 516-3157 or Mr. Thomas McMonagle, our GTAC Program Manager at (717) 516-3151.

Sincerely,

HDR Engineering, Inc.

Matthew C. Blanchard
Senior Project Manager

Thomas L. McMonagle, PG
Senior Project Manager
GTAC-7 Program Manager

Electronic Copy to:
Alex Govelovich, PADEP
<table>
<thead>
<tr>
<th>School</th>
<th>School Address</th>
<th>County</th>
<th>School Number</th>
<th>School Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chichester High School</td>
<td>333 Chichester Avenue, Upper Chichester, PA 19061</td>
<td>Delaware</td>
<td>610-485-6881 ext. 6402</td>
<td>Michael Civera</td>
</tr>
<tr>
<td>Chichester Middle School</td>
<td>925 Meetinghouse Rd, Upper Chichester, PA 19061</td>
<td>Delaware</td>
<td>610-485-6881 ext. 6402</td>
<td>Michael Civera</td>
</tr>
<tr>
<td>Mount Carmel Area School District High School</td>
<td>600 West Fifth Street, Mount Carmel, PA 17851</td>
<td>Northumberland</td>
<td>570-339-1500</td>
<td>Tammy Michaels</td>
</tr>
<tr>
<td>South Fayette Township High School</td>
<td>3640 Old Oakdale Road, McDonald, PA 15057</td>
<td>Allegheny</td>
<td>412-221-4542</td>
<td>Laura Hartzell</td>
</tr>
<tr>
<td>Sunbury Christian Academy</td>
<td>135 Spruce Hollow Road, Northumberland, PA 17857</td>
<td>Northumberland</td>
<td>570-473-7592</td>
<td>Lindsay Shaffer</td>
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<tr>
<td>West Allegheny Senior High School</td>
<td>205 W. Allegheny Road, Imperial, PA 15126</td>
<td>Allegheny</td>
<td>724-695-5223</td>
<td>Kenneth Fibi</td>
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<td>School</td>
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<td>Total Amount of Chemical Containers Removed</td>
<td>Total Amount of Chemicals Removed (lbs.)</td>
<td></td>
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<tr>
<td>----------------------------------------------------------------------</td>
<td>-----------------</td>
<td>-------------------------------------------</td>
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<tr>
<td>Chichester Middle School (includes the science 1 and science 2 rooms)</td>
<td>August 18, 2020</td>
<td>195</td>
<td>200</td>
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<td>Sunbury Christian Academy</td>
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<td>August 14, 2020</td>
<td>906</td>
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<td>South Fayette Twp. High School</td>
<td>August 13, 2020</td>
<td>134</td>
<td>227</td>
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ATTACHMENT A

Chichester Middle School and High School
Ms. Chelsea Tarbell, HDR Engineering, Inc. (HDR) met with Mr. Mike Civera, the Facilities Director for both the Chichester Middle School and High School at the Chichester Middle School located in Upper Chichester, Pennsylvania. Mr. Civera led HDR to the Science Classroom/Lab B20 and Science Classroom/Lab B19 where the chemicals were being stored in the flammable, corrosive and other storage cabinets. Mr. Civera provided access to the storage cabinets.

Mr. Joe Peifer and his lab packing assistant from ACV Enviro (ACV) arrived onsite and were led to the classrooms by Mr. Civera. Mr. Peifer separated and segregated the chemicals for disposal. The chemical inventory listed 195 containers of known chemicals and zero containers containing unknown chemicals between the two rooms.

Ms. Tarbell met Ms. Hoa Dao from the Pennsylvania Department of Environmental Protection (PADEP) at the school's office, briefed her on the project, and led Ms. Dao to classroom/lab B19 and B20.

Mr. Peifer and his assistant reviewed the chemical inventory and prepared the waste manifests. The segregated chemicals were then placed into disposal bins. The disposal bins were labeled appropriately according to the contents.

ACV transported the disposal containers from Rooms B19 and B20 to the disposal truck. ACV loaded the disposal containers into the truck. A total of 10 lab packs were loaded onto the truck.

ACV and Ms. Tarbell conducted a visual inspection of Rooms B19 and B20 to confirm proper and complete removal of the chemicals identified for disposal.

Mr. Peifer and Mr. Civera signed the waste manifest for the shipment.

ACV, HDR, and PADEP left the Middle School and proceeded to the Chichester High School where they met Mr. Civera. Mr. Civera led the group to the Art Room D205 where unwanted industrial arts supplies were being stored in a flammables closet, a storage shelf, and two closets. Mr. Civera and ACV discussed the materials for disposal and ACV began separating the materials for disposal. The chemical inventory listed 517 containers of known chemicals and zero containers of unknown chemicals in the Art room.
11:05 Mr. Civera returned to room D205 with a cart of chemicals being temporarily stored in the Science Classroom/Lab A17. ACV began separating the chemicals for disposal. The chemical inventory listed 282 containers of known chemicals and zero containers of unknown chemicals in the Science room.

11:20 ACV reviewed the chemical inventory and prepared the waste manifests. The segregated chemicals were then placed into disposal bins. The disposal bins were labeled appropriately according to the contents.

11:35 ACV transported the disposal containers from Room D205 to the disposal truck. ACV loaded the disposal containers into the truck. Corrosive non-hazardous chemicals were the transported out via rolling cart to a large tote set up in the disposal truck. A total of 11 lab packs were loaded onto the truck. The lab packs were transported to the Cycle Chem, Inc. disposal facility in Lewisberry, PA.

13:00 ACV and Ms. Tarbell conducted a visual inspection of Room D205 to confirm proper and complete removal of the chemicals identified for disposal.

13:10 Mr. Peifer and Mr. Civera signed the waste manifest for the shipment.

13:25 ACV, HDR, and PADEP left the site.
Photolog-Middle School

Chemicals placed on lab bench in Classroom B20

Chemicals placed on lab benches in Classroom B19
Chichester Middle School and High School
Schools Chemical Cleanout Campaign

Chemicals for removal

Lab Pack preparation for removal
Classroom B20 after cleanout

Classroom B19 after cleanout
Photolog-High School

Industrial Arts for removal
Industrial Arts for removal

Industrial Arts for removal
Chichester Middle School and High School
Schools Chemical Cleanout Campaign

Chemicals for removal
Arts room after cleanout

Arts room after cleanout

Arts room after cleanout
Manifest Logs - Middle School
<table>
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<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Waste Codes</th>
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<tr>
<td>1</td>
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<td>2</td>
<td>UN0926, Waste Corrosive liquid, acidic, organic, N.O.S. (Acetic Acid)</td>
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<td>D002</td>
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14. Special Handling Instructions and Additional Information: D69134 ISO 60799 SFSON# (MSDS #)

15. GENERATOR'S/OFFERER'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/displaced, 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: Michael [Signature]

Date: 08/18/2020

16. Discrepancy
   16a. Discrepancy Indication Space
       - Quantity
       - Type
       - Residue
       - Partial Rejection
       - Full Rejection

16b. Alternate Facility (or Generator)
   Facility's Name: [Facility Name]
   Facility's Address: [Facility Address]
   Facility's Phone: [Facility Phone]

Signature: [Signature]

Date: [Date]

17. Hazardous Waste Transport Manifest Number: [Manifest Number]
   U.S. EPA ID Number: [EPA ID Number]

Signature: [Signature]

Date: [Date]

18. Designated Facility to EPA's e-Manifest System
### UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

####-generator information

**Name:** CHICHESTER MIDDLE SCHOOL  
**Address:** 925 MEETINGHOUSE ROAD, BOOTHBY, PA, 19061

####transporter information

- **Company Name:** 
- **U.S. EPA ID Number:** 
- **Company Name:** 
- **U.S. EPA ID Number:**

####waste description

<table>
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<tr>
<th>No.</th>
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<tbody>
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<td>1</td>
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<tr>
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<td>6) UN1011, Waste Butane, 2.1</td>
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<td>3</td>
<td>7) UN1325, Waste Flammable solids, organic, n.o.s., (LYCOPODIUM POWDER), 4.1, II</td>
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<tr>
<td>4</td>
<td>8) RQ, UN1993, Waste Flammable liquids, n.o.s. (METHANOL, ISOPROPANOL), 3, II</td>
<td>5</td>
<td>DF</td>
<td>D001, U002, U154</td>
</tr>
<tr>
<td>5</td>
<td>9) UN1479, Waste Oxidizing solid, n.o.s. (POTASSIUM CHLORATE, SODIUM NITRATE), 5.1, II</td>
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<tr>
<td>6</td>
<td>10) UN2672, Waste Ammonia solutions, 8, III</td>
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<td>DF</td>
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</table>

####additional information

- **Special Handling Instructions and Additional Information:** Document #: DE9154
- **Waste Codes:** 5) 122789 HYDROGEN PEROXIDE LABPACK  
- **言语:** 6) 122800 BUTANE CANISTER  
- **7) 122803 FLAMMABLE SOLIDS LABPACK  
- **8) 122806 FLAMMABLE LIQUIDS LABPACK  
- **9) 122807 OXIDIZER LABPACK  
- **10) 122809 AMMONIA LABPACK**

####transporter acknowledgment

- **Acknowledgment of Receipt of Materials**
  - **Printed/Typed Name:**
  - **Signature:**
  - **Date:** Month, Day, Year

####discrepancy

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

**DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM**
The EPA hazardous wastes identified below must be treated to applicable treatment standards set forth in 40 CFR 261.

<table>
<thead>
<tr>
<th>LINE</th>
<th>APPROVAL NO.</th>
<th>EPA WASTE NO.(S)</th>
<th>WW</th>
<th>SUB CATEGORY</th>
<th>UHC'S</th>
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<td>122794</td>
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<td>7</td>
<td>122803</td>
<td>D001</td>
<td>NO</td>
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<td>8</td>
<td>122806</td>
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<td>9</td>
<td>122807</td>
<td>D001, D011</td>
<td>NO</td>
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<tr>
<td>10</td>
<td>122809</td>
<td>D002</td>
<td>NO</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

I certify and warrant that the information that appears on this form, and appended documents, is true and correct. I have correctly indicated how my waste is to be managed in accordance with 40 CFR 268. My certification is based on personal examination of the information submitted, or is based on my inquiries of those individuals responsible for obtaining the information.

Authorized Signature: [Signature]
Title: [Title]
Date: 8/13/20
**UNIFORM HAZARDOUS WASTE MANIFEST**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>PADD97286382</td>
<td>2</td>
<td>410-388-9170</td>
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<tr>
<td></td>
<td></td>
<td>022193572</td>
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</table>

5. Generator's Name and Mailing Address
CHICHESTER HIGH SCHOOL DISTRICT
3333 CHICHESTER AVENUE
BOOTHwyn, PA 19061
610-486-6881

6. Transporter 1 Company Name
ACV ENVIRONMENTAL SERVICES, INC

7. Transporter 2 Company Name

8. Designated Facility Name and Site Address
CYCLE CHEM, INC
550 INDUSTRIAL DRIVE
LEWISBERRY, PA 17339
717-336-4700

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

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>No.</td>
<td>Type</td>
<td>Wt./No.</td>
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- NON RCRA NON DOT MATERIALS (NON HAZ LOOSEPACK)
- RQ, UN3139, Waste oxidizing liquid, n.o.s. (SODIUM METAPERIODATE, POTASSIUM PERMANGANATE), 5.1, II
- RQ, UN1993, Waste Flammable liquids, n.o.s. (PAINT, PAINT THINNER), 3, II

14. Special Handling Instructions and Additional Information
D59125 SO 60788  SFSO#

15. GENERATOR/S'OFFERER'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/labeled, 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/Offeree's Printed/Typed Name: Michael C. Rivera
Signature: [Signature]
Month Day Year: 06/18/20

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

Transarper signature (for exports only): [Signature]
Port of entry/exit: [Port]
Date leaving U.S.: [Date]

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Joe Peifer
Signature: [Signature]
Month Day Year: 06/18/20

Transporter 2 Printed/Typed Name: [Name]
Signature: [Signature]
Month Day Year: [Date]

18. Discrepancy

- Discrepancy Indication Space: [Space]
- Quantity: [Quantity]
- Type: [Type]
- Residue: [Residue]
- Partial Rejection: [Partial]
- Full Rejection: [Full]

Manifest Reference Number: [Manifest]

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 stated as noted in Item 18a

Designated Facility to EPA's e-MANIFEST SYSTEM

Annie F. Fred
Signature: [Signature]
Month Day Year: 06/19/20

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.
<table>
<thead>
<tr>
<th>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</th>
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<tr>
<td>21. Generator ID Number: PAD98726382</td>
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<tr>
<td>22. Page: 2 of 2</td>
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<tr>
<td>23. Manifest Tracking Number: 022193672JJK</td>
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**24. Generator's Name:**
CHICHESTER HIGH SCHOOL DISTRICT
3333 CHICHESTER AVENUE
BOOTHBY, PA 19061

**25. Transporter Company Name:**

**26. Transporter Company Name:**

**27a.** U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))

<table>
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<tr>
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<td>5</td>
<td>D001</td>
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<td>11</td>
<td>DF</td>
<td>175</td>
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**32. Special Handling Instructions and Additional Information:** Document #: D91225

- 5) 122742 ACIDIC LIQUIDS LABPACK
- 6) 122744 OXIDIZER LABPACK
- 7) 122746 TOXIC LABPACK
- 8) 122747 ORGANIC ACIDS LABPACK
- 9) 122748 CAUSTIC LABPACK
- 10) 122712

**33. Transporter Acknowledgment of Receipt of Materials**

<table>
<thead>
<tr>
<th>Printed/Typed Name</th>
<th>Signature</th>
<th>Month</th>
<th>Day</th>
<th>Year</th>
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**34. Transporter Acknowledgment of Receipt of Materials**

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<th>Printed/Typed Name</th>
<th>Signature</th>
<th>Month</th>
<th>Day</th>
<th>Year</th>
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</thead>
</table>

**35. Discrepancy:**

**36. Hazardous Waste Report Management (Method Codes):**

- H411
- H11
- H141
- H141

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM
LAND DISPOSAL RESTRICTION NOTIFICATION AND CERTIFICATION FORM

GENERATOR NAME  CHICHESTER HIGH SCHOOL DISTRICT
EPA ID NUMBER  PAD987286382
MANIFEST TRACKING NUMBER  D59125
MANIFEST DOCUMENT NO.
WORK ORDER:  60788

The EPA hazardous wastes identified below must be treated to applicable treatment standards set forth in 40 CFR 261.

<table>
<thead>
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<th>LINE</th>
<th>APPROVAL NO.</th>
<th>EPA WASTE NO.(S)</th>
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<td>NO</td>
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<td></td>
</tr>
</tbody>
</table>

I certify and warrant that the information that appears on this form, and appended documents, is true and correct. I have correctly indicated how my waste is to be managed in accordance with 40 CFR 268. My certification is based on personal examination of the information submitted, or is based on my inquiries of those individuals responsible for obtaining the information.

Authorized Signature: [Signature]  Title: [Title]  Date: 8/18/10
10:30 Ms. Chelsea Tarbell, HDR Engineering, Inc. (HDR), and Mr. Joe Peifer, ACV Environmental Services, Inc. (ACV) arrived at the Mount Carmel School District (MCSD) located in Mount Carmel, Pennsylvania. ACV is the waste disposal contractor for the project.

Ms. Tarbell and Mr. Peifer met with Ms. Tammy Michaels, the Science Department Chairperson for MCSD in the Science Classroom/Lab where the unwanted chemicals were placed on the lab counters for removal and disposal.

10:40 Mr. Peifer separated and segregated the chemicals for disposal. The chemical inventory listed 130 containers of known chemicals and zero containers containing unknown chemicals.

10:50 Mr. Peifer reviewed the chemical inventory, prepared the waste manifests, and placed the segregated chemicals into disposal bins. The disposal bins were appropriately labeled according to the contents.

10:55 Mr. Peifer transported the disposal containers from the science classroom to the disposal truck. Mr. Peifer loaded the disposal containers into the truck. A total of 8 lab packs were loaded onto the truck. The lab packs were transported to the Cycle Chem, Inc. disposal facility in Lewisberry, PA. The radioactive waste was transported to the Ecology Services disposal facility in Columbia, MD.

11:00 Ms. Tarbell and Mr. Peifer conducted a visual inspection of the classroom to confirm proper and complete removal of the chemicals identified for disposal.

11:05 Mr. Peifer and Ms. Michaels signed the waste manifest for the shipment.

11:25 ACV and HDR left the work site.
Photolog

Chemicals placed on lab bench for cleanout

Chemicals for removal
Mount Carmel School District
Schools Chemical Cleanout Campaign

Lab Pack preparation for removal
Mt. Carmel - Manifest Logs
<table>
<thead>
<tr>
<th>No.</th>
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<th>Quantity</th>
<th>12. Unit</th>
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</tr>
<tr>
<td>4</td>
<td>DF</td>
<td>5</td>
<td>P</td>
</tr>
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</table>

1. NON RCRA/Non DOT Material (NON HAZ LOOSEPACK)
2. UN1933, Waste Flammable liquids, n.o.s. (KEROSENE, N-BUTANOL), 3, II
3. UN1479, Waste Oxidizing solid, n.o.s. (LEAD NITRATE, AMMONIUM DICROMATE), 5.1, II
4. UN3284, Waste Corrosive liquid, acidic, inorganic, n.o.s. (TIN CHLORIDE, HYDROBROMIC ACID), 8, III

14. Special Handling Instructions and Additional Information: 

1) 122609 NON HAZ LOOSEPACK 2) 122610 FLAMMABLE LIQUIDS LABPACK 3) 122611 OXIDIZER LABPACK 4) 122612 ACID LABPACK

15. GENERATOR’S/OFFERER’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 Acknowledgement of Consent. I certify that the waste minimization statement identified in 40 CFR 262.23(b) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

16. Information Shipment: Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.: 

17. Transporter Acknowledgment of Receipt of Materials

18. Discrepancy

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

18b. Alternate Facility (or Generator)

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

20. Designated Facility/Organization: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Designer/Operator: Signature: Dated: 08/17/20
### Uniform Hazardous Waste Manifest

<table>
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<th>Container</th>
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<th>Quantity</th>
<th>Unit Weight</th>
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<th>Code 2</th>
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**Special Handling Instructions and Additional Information:**

Document #: D88865

5) 122613 DANGEROUS WHEN WET LABPACK  6) 122614 CAUSTIC LABPACK  7) 122815 TOXIC LABPACK  8) 122616 FLAMMABLE SOLIDS LABPACK

---

**Transporter Information:**

Acknowledgment of Receipt of Materials

Printed/Typed Name: [Redacted]
Signature: [Redacted]
Month Day Year: [Redacted]

---

**Discordancy:**

[Redacted]

---

**Hazardous Waste Report Management Method Codes:**

[Redacted]
The EPA hazardous wastes identified below must be treated to applicable treatment standards set forth in 40 CFR 261.

<table>
<thead>
<tr>
<th>LINE</th>
<th>APPROVAL NO.</th>
<th>EPA WASTE NO.(S)</th>
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<td>NO</td>
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</tr>
</tbody>
</table>

I certify and warrant that the information that appears on this form, and appended documents, is true and correct. I have correctly indicated how my waste is to be managed in accordance with 40 CFR 268. My certification is based on personal examination of the information submitted, or is based on my inquiries of those individuals responsible for obtaining the information.

Authorized Signature: [Signature]  
Title: [Title]  
Date: 08/17/20
ATTACHMENT C

South Fayette High School
2020 Schools Chemical Cleanout Campaign
South Fayette High School
Work Log
August 13, 2020

9:00 Ms. Kristen Schawalder, HDR Engineering, Inc. (HDR), and Mr. Joe Peifer, ACV Environmental Services, Inc. (ACV) arrived at the South Fayette High School located in McDonald, Pennsylvania. ACV is the waste disposal contractor for the project.

Ms. Schawalder and Mr. Peifer met with Dr. Laurel Hartzell, the school principal to discuss the project. Dr. Hartzell led the group to the Science Classroom/Lab AB116 where the chemicals for cleanup were placed on the lab counters for disposal. Dr. Hartzell confirmed with the custodial staff that all of the chemicals present in the room were to be removed.

9:20 Mr. Peifer separated and segregated the chemicals for disposal. The chemical inventory listed 129 containers of known chemicals and five (5) containers containing unknown chemicals.

10:00 Mr. Peifer reviewed the chemical inventory, prepared the waste manifests, and placed the segregated chemicals into disposal bins. The disposal bins were labeled according to the contents.

10:30 Mr. Peifer transported the disposal containers from Room AB116 to the disposal truck. Mr. Peifer loaded the disposal containers into the truck. A total of 17 lab packs were loaded onto the truck. The lab packs were transported to the Cycle Chem, Inc. disposal facility in Lewisberry, PA.

10:50 Ms. Schawalder and Mr. Peifer conducted a visual inspection of Room AB116 to confirm proper and complete removal of the chemicals identified for disposal.

11:00 Mr. Peifer and Dr. Hartzell signed the waste manifest for the shipment.

11:15 Mr. Peifer and Ms. Schawalder left the work site.
Photolog

Classroom AB116 at arrival

Chemicals placed on lab bench for cleanout
Chemicals for removal

Lab Pack preparation for removal
**UNIFORM HAZARDOUS WASTE MANIFEST**

**1. Generator ID Number:** PAVSQQ

**2. Page of 1 of 3**

**3. Emergency Response Phone:** 410-368-9170

**4. Manifest Tracking Number:** 022193534 JJK

**5. Generator's Name and Mailing Address:**

**SOUTH FAYETTE HIGH SCHOOL**

3640 OLD OAKDALE RD

MCDONALD, PA 15057

**6. Generator's Phone:** 412-221-4642 (Attn:)

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

**6. Transporter 1 Company Name:** ACV ENVIRONMENTAL SERVICES, INC

**7. Transporter 2 Company Name:**

**8. Designated Facility Name and Site Address:**

**CYCLE CHEM, INC**

550 INDUSTRIAL DRIVE

LEWISBERRY, PA 17339

**Facility's Phone:** 717-938-4700

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

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

<table>
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<tr>
<th>No.</th>
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<th>Waste Codes</th>
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</table>

**10. Containers**

**11. Total Quantity**

**12. Unit**

**13. Waste Codes**

**D001**

**D002**

**NONE**

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

**D58668 SO 60268 SFSO#**

**15. Generator Offender'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/insulated, 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.

**Generator/Officer's Printed/Typed Name:**

**Laura M. Hartley**

**Signature:**

**D58668 SO 60268 SFSO#**

**Month** | **Day** | **Year**
<table>
<thead>
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<tbody>
<tr>
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</table>

**16. International Shipment:**

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

**Port of Entry:**

**Date Leaving U.S.:**

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

**Transporter 1 Printed/Typed Name:**

**Signature:**

**Transporter 2 Printed/Typed Name:**

**Signature:**

**Month** | **Day** | **Year**
<table>
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<tbody>
<tr>
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</table>

**18. Discrepancy:**

- [ ] Quantity
- [ ] Type
- [ ] Residual
- [ ] Partial Rejection
- [ ] Full Rejection

**Manifest Reference Number:**

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

**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 and noted in Item 18a**

**Printed/Typed Name:**

**Signature:**

**Month** | **Day** | **Year**
<table>
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<td>27b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group if any)</td>
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<tr>
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<td>-------------------------------------------------</td>
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<td>14) UN1993, Waste Flammable liquids, n.o.s. (AMYL ACETATE, ACETONE), 3, II</td>
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32. Special Handling Instructions and Additional Information

Document #: D53618

5) 122098 OXIDIZER LABPACK 6) 122099 MERCURY COMPOUNDS LABPACK 7) 122100 ARSENIC LABPACK 8) 122101 TOXIC LABPACK 9) 122102 BROMINE LABPACK 10) 122103 FLAMMABLE SOLIDS LABPACK 11) 122104 DANGEROUS WHEN WET LABPACK 12) 122105

33. Transporter

Acknowledgment of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year |
|------------------|-----------|-------|-----|------|

34. Discrepancy

Printed/Typed Name | Signature | Month | Day | Year |
|------------------|-----------|-------|-----|------|

35. Discrepancy

Printed/Typed Name | Signature | Month | Day | Year |
|------------------|-----------|-------|-----|------|

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

H41 H41 H41 H41 H41 H41 H41 H41 H41

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

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM
<table>
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<tr>
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</table>

27a. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))

- 15) UN1849, Waste Sodium sulfide, hydrated, 8, II
- 16) UN2813, Waste Water-reactive solid, n.o.s. (POTASSIUM LITHIUM), 4.3, II
- 17) UN2809, Waste Mercury, 8 (6.1), III

33. Transporter Acknowledgment of Receipt of Materials

34. Transporter Acknowledgment of Receipt of Materials

35. Discrepancy

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

H411 H411 H411
LAND DISPOSAL RESTRICTION NOTIFICATION AND CERTIFICATION FORM

GENERATOR NAME  SOUTH FAYETTE HIGH SCHOOL  MANIFEST TRACKING NUMBEI  D58618
EPA ID NUMBER  PAVSQG  MANIFEST DOCUMENT NO.  022193534JJK

The EPA hazardous wastes identified below must be treated to applicable treatment standards set forth in 40 CFR 261.

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</table>

I certify and warrant that the information that appears on this form, and appended documents, is true and correct. I have correctly indicated how my waste is to be managed in accordance with 40 CFR 268. My certification is based on personal examination of the information submitted, or is based on my inquiries of those individuals responsible for obtaining the information.

Authorized Signature: [Signature]  Title: Principal  Date: 8/3/2020
ATTACHMENT D

Sunbury Christian Academy
2020 Schools Chemical Cleanout Campaign
Sunbury Christian Academy
Work Log
August 17, 2020

8:30 Ms. Chelsea Tarbell, HDR Engineering, Inc. (HDR), and Mr. Joe Peifer, ACV Environmental Services, Inc. (ACV) arrived at the Sunbury Christian Academy (SCA) located in Sunbury, Pennsylvania. ACV is the waste disposal contractor for the project.

Ms. Tarbell and Mr. Peifer met with Mrs. Lindsay Shaffer, a SCA science teacher to discuss the project. Mrs. Shaffer led the group to the Science Classroom/Lab Room 15 where the unwanted chemicals for removal and disposal were being placed on the lab counters.

8:50 Mr. Peifer separated and segregated the chemicals for disposal. The chemical inventory listed sixty three containers of known chemicals and two containers containing unknown chemicals. One container with approximately 200 mL of Ammonium Hydroxide was identified for removal, however, it was not listed on the chemical inventory list that was provided by SCA. The HDR project manager Mr. Matthew Blanchard was contacted regarding the item who notified the Pennsylvania Department of Environmental Protection (PADEP).

9:00 Mr. Peifer reviewed the chemical inventory, prepared the waste manifests, and placed the segregated chemicals into disposal bins. The disposal bins were appropriately labeled according to the contents.

9:10 Mr. Peifer transported the disposal containers from Room 15 to the disposal truck. Mr. Peifer loaded the disposal containers into the truck. A response from the PADEP had not been received and Mr. Blanchard provided approval for ACV to remove the Ammonium Hydroxide from the classroom. The PADEP subsequently responded that the material should remain and disposed of by the school. By the time HDR was notified, the bottle had already been placed into the disposal container and loaded on the waste disposal truck. A total of nine lab packs were loaded onto the truck. The lab packs were transported to the Cycle Chem, Inc. disposal facility in Lewisberry, PA.

9:25 Ms. Tarbell and Mr. Peifer conducted a visual inspection of Room 15 to confirm proper and complete removal of the chemicals identified for disposal.

9:30 Mr. Peifer and Mrs. Shaffer signed the waste manifest for the shipment.

9:40 ACV and HDR left the work site.
Chemicals placed on lab bench for cleanout

Chemicals for removal
Lab Pack preparation for removal
Sunbury Christian Academy - Manifest Logs
**NON RCRA/NON DOT MATERIALS (NON HAZ LOOSEPACK)**

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
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**Special Handling Instructions and Additional Information**

1) 122617 NON HAZ LOOSEPACK  
2) 122618 ACIDIC LIQUID LABPACK  
3) 122619 OXIDIZER LABPACK  
4) 122620

**Transporter Acknowledgment of Receipt of Materials**

Transporter 1 Printed/Typed Name:  
Signature:  
Month Day Year

Transporter 2 Printed/Typed Name:  
Signature:  
Month Day Year

**Facility's Phone:**  
**Signature:**  
**Month Day Year**

**Designated Facility**

**Facility's Phone:**  
**Signature:**  
**Month Day Year**

**EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.**
<table>
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- **UN2789**: Waste Acetic acid, glacial, 8 (3), II
- **UN1993**: Waste Flammable liquids, n.o.s. (METHANOL, ETHANOL), 3, II
- **UN2813**: Waste Water-reactive solid, n.o.s. (CALCIUM, ZINC), 4.3, II
- **UN1625**: Waste Mercuric nitrate, 6.1, II
- **UN2672**: Waste Ammonia solution, 8, Pesticide

**Transporter Acknowledgment of Receipt of Materials**

**Transporter**

**Acknowledgment of Receipt of Materials**

**Printed/Typed Name**

**Signature**

**Month**

**Day**

**Year**

**Discrepancy**
The EPA hazardous wastes identified below must be treated to applicable treatment standards set forth in 40 CFR 261.

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I certify and warrant that the information that appears on this form, and appended documents, is true and correct. I have correctly indicated how my waste is to be managed in accordance with 40 CFR 268. My certification is based on personal examination of the information submitted, or is based on my inquiries of those individuals responsible for obtaining the information.

Authorized Signature: [Signature]  
Title: [Title]  
Date: 8/17/2020
2020 Schools Chemical Cleanout Campaign
West Allegheny High School
Work Log
August 14, 2020

8:00 Ms. Kristen Schawalder, HDR Engineering, Inc. (HDR), and Mr. Joe Peifer, ACV Environmental Services, Inc. (ACV) arrived at the West Allegheny High School located in Imperial, Pennsylvania (PA). ACV is the waste disposal contractor for the project.

Mr. Peifer and Mr. Kenneth Fibbi met in the West Allegheny High School parking lot. Mr. Fibbi re-directed Mr. Peifer to the woodshop located in the Middle School within the school complex. The chemicals for cleanup were placed in the woodshop to avoid construction in the high school, easy access to a loading dock for chemical removal, and to allow for social distancing while sorting and removing chemicals. Mr. Fibbi discussed the project with Mr. Peifer.

8:20 Mr. Fibbi met Ms. Schawalder at the West Allegheny High School office and escorted her to the woodshop. Mr. Fibbi discussed the project with Ms. Schawalder. Mr. Fibbi confirmed the chemicals in the woodshop were to be removed.

Mr. Peifer reviewed the chemical inventory and then began to separate and segregate the chemicals for disposal. The chemical inventory listed 906 containers of known chemicals and no containers containing unknown chemicals.

9:45 Mr. Peifer identified two containers of sodium sulfide that was not included on the chemical cleanout list. Ms. Schawalder contacted HDR Project Manager Matt Blanchard regarding the additional item. Mr. Blanchard notified the Pennsylvania Department of Environmental Protection (PADEP) project officer about the additional material.

10:00 Mr. Peifer reviewed the chemical inventory, prepared the waste manifests, and placed the segregated chemicals into disposal bins. The disposal bins were labeled according to the contents.

11:00 Mr. Peifer transported the disposal containers from woodshop to the disposal truck. Mr. Peifer loaded the disposal containers into the truck. A total of 22 lab packs were loaded onto the truck.

11:45 HDR and ACV received permission from the PADEP to remove the two bottles of sodium sulfide. One bottle was one pound of sodium sulfide and the other container contained 100 g of the chemical.

Mr. Peifer packaged the sodium sulfide in the appropriate disposal container and loaded onto the truck.
11:55  Ms. Schawalder and Mr. Peifer conducted a visual inspection of the woodshop to confirm proper and complete removal of the chemicals identified for disposal. The lab packs were transported to the Cycle Chem, Inc. disposal facility in Lewisberry, PA. The radioactive waste was transported to the Ecology Services disposal facility in Columbia, MD.

12:00  Mr. Fibbi signed the waste manifest for the shipment.

12:25  Mr. Peifer and Ms. Schawalder left the work site.
Chemicals for disposal in the woodshop

Chemicals for waste disposal
Sodium sulfide chemical

Chemical sorting and Lab Pack

Use UPDATE/INSERT ADDRESS feature in ribbon.
West Allegheny High School
Schools Chemical Cleanout Campaign

Use UPDATE/INSERT ADDRESS feature in ribbon,
West Allegheny High School
Schools Chemical Cleanout Campaign

West Allegheny HS – Waste Manifest Logs

Use UPDATE/INSERT ADDRESS feature in ribbon.
## Uniform Hazardous Waste Manifest

### 1. Generator ID Number

**PAVSGG**

### 2. Page 1 of 3

### 3. Emergency Response Phone

**410-369-9170**

### 4. Manifest Tracking Number

**022193536 JJK**

### 5. Generator's Name and Mailing Address

**WEST ALLEGHENY HIGH SCHOOL**

**205 W. ALLEGHENY RD**

**IMPERIAL, PA 15126**

**Generator's Phone:** 724-696-7368  **Atttn:**

### 6. Transporter 1 Company Name

**ACV ENVIRONMENTAL SERVICES, INC**

### 7. Transporter 2 Company Name

### 8. Designated Facility Name and Site Address

**CYCLE CHEM, INC**

**550 INDUSTRIAL DRIVE**

**LEWISBERRY, PA 17339**

**Facility's Phone:** 717-938-4700

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

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<tr>
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<td>10</td>
<td>D002 D003 D008</td>
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### 10. Containers

- NON RCMANON DOT MATERIAL (NON HAZ LOOSEPACK)
- RQ. UN1479, Waste oxidizing solid, n.o.s. (POTASSIUM DICROMATE, POTASSIUM PERMANGANATE), 5.1, II
- UN2813, Waste Water-reactive solid, n.o.s. (CALCIUM CARBIDE, ALUMINUM), 4.3, II
- UN3290, Waste Toxic solid, corrosive, inorganic, n.o.s. (LEAD SULFIDE, CUPRIC SULFIDE), 6.1 (8), II

### 14. Special Handling Instructions and Additional Information

- 122199 NON HAZ LOOSEPACK
- 122200 OXIDIZER LABPACK
- 122201 DANGEROUS WHEN WET LABPACK

**SFSO#**

D58734 SO 60394

### 16. International Shipments

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

### 17. Transporter Acknowledgment of Receipt of Materials

**Transporter 1:**

**Transporter 2:**

### 18. Discrepancy

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### 19. Hazardous Waste Treatment, Disposal, and Recycling Systems

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**Annie E. Heid**

**Designated Facility to EPA's e-MANIFEST System**
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32. Special Handling Instructions and Additional Information: Document #: D59734
5) 122282 FLAMMABLE SOLIDS LABPACK 6) 122287 TOXIC LABPACK 7) 122301 FLAMMABLE LIQUIDS LABPACK 8) 122306 ACIDIC INCINERATION LABPACK 9) 122310 SPONTANEOUSLY COMBUSTIBLE LABPACK 10) 122313 BROMINE LABPACK 11) 122316 BROMINE

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

35. Discrepancy
Printed/Typed Name: ___________________________ Signature: ___________________________ Month: ___ Day: ___ Year: ___

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

H41 | H41 | H41 | H41 | H41 | H41

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

**Continuation Sheet**

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**DESIGNATED FACILITY**

**TRANSPORTER**

**Acknowledgment of Receipt of Materials**

- **Printed/Typed Name:**
- **Signature:**
- **Month** | **Day** | **Year**

**Acknowledgment of Receipt of Materials**

- **Printed/Typed Name:**
- **Signature:**
- **Month** | **Day** | **Year**

**35. Discrepancy**

**36. Hazardous Waste Treatment Method Codes:**

- **W11**
- **W11**
- **W11**
- **W11**
- **W11**
- **W11**
- **W41**

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

**DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM**
LAND DISPOSAL RESTRICTION NOTIFICATION AND CERTIFICATION FORM

**GENERATOR NAME**  WEST ALLEGHENY HIGH SCHOOL  
**EPA ID NUMBER**  PAUSQG  
**MANIFEST TRACKING NUMBER**  D58734  
**MANIFEST DOCUMENT NO.**  022193536JJK  
**WORK ORDER**  60394

The EPA hazardous wastes identified below must be treated to applicable treatment standards set forth in 40 CFR 261.

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21 VRASB D002 D003 NO

I certify and warrant that the information that appears on this form, and appended documents, is true and correct. I have correctly indicated how my waste is to be managed in accordance with 40 CFR 268. My certification is based on personal examination of the information submitted, or is based on my inquiries of those individuals responsible for obtaining the information.

Authorized Signature [Signature]  
Title DIR. FACILITIES  
Date 9-14-20