

WASTE PROFILE FORM

Profile #: **NCS-101** Revision #: **6**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first):

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **101 USED OIL**

Process generating Waste (be specific): **SPENT LUBRICANTS FROM MAINTENANCE**

Form: **W206 - Waste oil**

Source: **G11 - Discarding off-specification or out-of-date chemicals or products (unused chemicals or products - corresponds to P and U hazardous waste codes)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|--|--|---|---|
| Layers: | Physical State | Specific Gravity (water=1, oil<1, sol >1) | Viscosity (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Multi-layered | Solid %: 0 | Est. N/A Actual 0.8-1.0 | Low (Water) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | | |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 100 | Water %: 0 Pumpable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Color: amber |
| Odor: <input checked="" type="checkbox"/> None <input type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: | | |
| pH: <input checked="" type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | | |
| Liquid Flash Point: <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input checked="" type="checkbox"/> 140-200° F <input type="checkbox"/> >200° F <input type="checkbox"/> None | Actual: <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F | | |
| BTU/lbs range: <input type="checkbox"/> <2000 <input checked="" type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: <3% | |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|-----------------|-------|-----|-----|------|---------------|-----|-----|-----|-----|
| WATER | = | | 10 | % | SYNTHETIC OIL | = | | 30 | % |
| PETROLEUM OIL | Range | | 30 | 70 % | VEGETABLE OIL | = | | 10 | % |
| MINERAL SPIRITS | = | | 30 | % | | | | | |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **<1%**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

| | |
|--|---|
| <p>CHECK ALL THAT MAY APPLY:</p> <p><input type="checkbox"/> Ammonia <input type="checkbox"/> Asbestos, Friable</p> <p><input type="checkbox"/> Asbestos, Non-friable <input type="checkbox"/> APHIS Waste <input type="checkbox"/> CERCLA</p> <p><input type="checkbox"/> Dioxins <input type="checkbox"/> Dust Hazard <input type="checkbox"/> Flammable Solid</p> <p><input type="checkbox"/> Infectious <input type="checkbox"/> Medical (sharps, needles) <input type="checkbox"/> Organic Peroxide</p> <p><input type="checkbox"/> Oxidizer <input type="checkbox"/> Pesticide/Herbicide <input type="checkbox"/> PFAS/PFOA</p> <p><input type="checkbox"/> phenolics <input type="checkbox"/> Profile Subpart P <input type="checkbox"/> PUSO</p> <p><input type="checkbox"/> Radioactive <input type="checkbox"/> RCRA Debris</p> | <p>REACTIVITY:</p> <p><input type="checkbox"/> Cyanide Reactive <input type="checkbox"/> Explosive</p> <p><input type="checkbox"/> Polymerizes <input type="checkbox"/> Pyrophoric</p> <p><input type="checkbox"/> Reactive (Other)/Temp Sensitive</p> <p><input type="checkbox"/> Reactive Metals <input type="checkbox"/> Shock Sensitive</p> <p><input type="checkbox"/> Sulfide Reactive <input type="checkbox"/> Water Reactive</p> <p>Others </p> |
|--|---|

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): NONE

State Code(s): PA509

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical

Generator Knowledge

SDS

| METALS: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|--------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Antimony (Sb) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Beryllium (Be) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Cobalt (Co) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Copper (Cu) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Nickel (Ni) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Thallium (Tl) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Vanadium (V) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| | | | | | | | Zinc (Zn) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|---------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|---------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D018 Benzene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D029 1,1-Dichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D035 Methyl ethyl ketone | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D039 Tetrachloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D040 Trichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D043 Vinyl Chloride | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|-----------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|----------------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|--------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|----------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:
Non-RCRA, Non-DOT Regulated Material, (PETROLEUM OIL),
Process Code(s):
Disposal Instructions/Comments:

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55
Shipping Frequency: Monthly Average Shipment Quantity: Monthly

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

DocuSigned by:
James R Atkinson
961D41A70CBD41E James R Atkinson Haz-waste Specialist 2/19/2024
Authorized Signature Authorized Printed Name Title Date

WASTE PROFILE FORM

Profile #: **NCS-102** Revision #: **6**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first):

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **102 - NON HALOGENATED SOLVENTS**

Process generating Waste (be specific): **CONSOLIDATED SPENT SOLVENTS**

Form: **W203 - Concentrated non-halogenated (e.g., non-chlorinated) solvent**

Source: **G22 - Laboratory analytical wastes (used chemicals from laboratory operations)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|--|--|---|--|
| Layers: | Physical State | Specific Gravity (water=1, oil<1, sol >1) | Viscosity (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Multi-layered | Solid %: 0 | Est. N/A Actual 0.8-1.0 | Low (Water) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | | |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 100 | Water %: 0 Pumpable: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Color: amber |
| Odor: | <input type="checkbox"/> None <input checked="" type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: aromatic | |
| pH: | <input type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input checked="" type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | |
| Liquid Flash Point: | <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input checked="" type="checkbox"/> 140-200° F <input type="checkbox"/> >200° F <input type="checkbox"/> None | Actual: | <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F |
| BTU/lbs range: | <input type="checkbox"/> <2000 <input type="checkbox"/> 2000-5000 <input checked="" type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: <3% |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|---------------------------------------|-------|-----|-----|-----|---------------------|-------|-----|-----|-----|
| Petroleum Distillates/Mineral Spirits | Range | 0 | 100 | % | Methyl Ethyl Ketone | Range | 0 | 10 | % |
| water | Range | 0 | 10 | % | Methylene Chloride | Range | 0 | 1 | % |
| Acetone | Range | 0 | 10 | % | Oils | Range | 0 | 10 | % |
| Metals | Range | 0 | 10 | % | Organic Solvents | Range | 0 | 5 | % |
| Trichloroethylene | Range | 0 | 1 | % | Tetrachloroethylene | Range | 0 | 1 | % |
| Acetonitrile | Range | 0 | 10 | % | Toluene | Range | 0 | 10 | % |
| Aliphatic Hydrocarbons | Range | 10 | 20 | % | Chloroform | Range | 0 | 1 | % |
| Aromatic Hydrocarbons | Range | 10 | 20 | % | Ethyl Acetate | Range | 0 | 0.1 | % |
| Benzene | Range | 0 | 0.1 | % | Xylene | Range | 0 | 10 | % |
| Ethanol | Range | 0 | 10 | % | | | | | |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **VOCs >= 500 ppm** TOC **>10%**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

- | | |
|--|---|
| <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable |
| <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> APHIS Waste |
| <input type="checkbox"/> Dioxins | <input type="checkbox"/> Dust Hazard |
| <input type="checkbox"/> Infectious | <input type="checkbox"/> Medical (sharps,needles) |
| <input type="checkbox"/> Oxidizer | <input type="checkbox"/> Pesticide/Herbicide |
| <input type="checkbox"/> phenolics | <input type="checkbox"/> Profile Subpart P |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> RCRA Debris |
| <input type="checkbox"/> CERCLA | <input type="checkbox"/> Flammable Solid |
| <input type="checkbox"/> Organic Peroxide | <input type="checkbox"/> PFAS/PFOA |
| <input type="checkbox"/> PUSO | |

REACTIVITY:

- | | |
|--|--|
| <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive |
| <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Reactive (Other)/Temp Sensitive | |
| <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Shock Sensitive |
| <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive |

Others

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): D001,D004,D005,D006,D007,D008,D010,D011,D018,D022,D035,D036,D038,D040,F001,F002,F003,F005,U002,U003,U009,U012,U019,U031,U037,U044,U056,U057,U108,U112,U113,U117,U140,U154,U159,U162,U169,U213,U214,U220,U239

State Code(s):

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical Generator Knowledge SDS

| METALS: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|--------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Antimony (Sb) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Beryllium (Be) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Cobalt (Co) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Copper (Cu) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Nickel (Ni) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Thallium (Tl) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Vanadium (V) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| | | | | | | | Zinc (Zn) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | | |
|---------------------------|-------------------|--------------------------|-------------------------------------|-------------------------------------|-----|-------------------|---------------------------|-------|--------------------------|-------------------------------------|-------------------------------------|------|------------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | | |
| D018 Benzene | 0.5 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 0-1 | TCLP(MG/L) | D029 1,1-Dichloroethylene | 0.7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D035 Methyl ethyl ketone | 200.0 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 0-10 | TCLP(MG/L) |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D039 Tetrachloroethylene | 0.7 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 0-1 | TCLP(MG/L) |
| D022 Chloroform | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D040 Trichloroethylene | 0.5 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 0-1 | TCLP(MG/L) |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D043 Vinyl Chloride | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | | |
|-----------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|----------------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | | |
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | | |
|-----------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|--------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | 3.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| | | | | | | | | | | | | | |
|--------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|----------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | 400.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:

UN1992, Waste Flammable liquids, toxic, n.o.s., (METHANOL, TOLUENE), 3 (6.1), II, RQ(D001=100#), ERG(131)

Process Code(s):

Disposal Instructions/Comments:

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity:

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

DocuSigned by:

 961D41A70CBD41E James R Atkinson Haz-Waste Specialist 2/19/2024

Authorized Signature

Authorized Printed Name

Title

Date

PROFILE FORM

Profile #: **NCS-103** Revision #: **7**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Karen Trimberger** Email: **katrimbe@ncsu.edu** Phone: **(919) 515-6859** Fax: **(919) 515-6307**

Manifest ER Phone #: **8775772669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQ NAICS code(s)(primary reporting first): **611310**
G

TSDF Approval List: Yes No Treatment/Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: MATERIAL DESCRIPTION Common Name: **103 - NON HALOGENATED SOLVENTS FLAM/TOXIC**

Generating Process (be specific): **CONSOLIDATED WASTE FROM ANALYTICAL PROCESSES**

Form: **W203 - Concentrated non-halogenated (e.g., non-chlorinated) solvent**

Source: **G22 - Laboratory analytical wastes (used chemicals from laboratory operations)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF MATERIAL (@70°F)

Layers: Multi-layered Bi-Layered Single Layered

Physical State: Solid %: **0** Sludge %: **0** Free Liquid %: **100**

Debris Monolith Powder Compressed Gas

Specific Gravity (water=1, oil <1, sol >1): Est. **≥0.8, <1** Actual:

Viscosity (Low-water, Med-oil, High-Honey): **Low (Water)** Color: **amber**

Water %: **0** Pumpable: Yes No

Odor: None Mild Strong Description: **aromatic**

pH: N/A ≤2.0 >2.01-4.00 4.01 - 10.00 10.01-12.49 ≥12.5 Actual:

Liquid Flash Point: <73° F 73<100° F 100<140° F 140-200° F >200° F None Actual: °C °F

BTU/lbs range: <2000 2000-5000 >5001-10,000 >10,000 Boiling Point: ≤95° F >95° F Halogens %: **<3%**

D: CHEMICAL COMPOSITION OF MATERIAL

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|--------------------------------|-------|-----|-----|------|---------------------|-------|-----|-----|-------|
| ALIPHATIC HYDROCARBONS MIXTURE | Range | | 10 | 20 % | 2,4-D | Range | | 0 | 0.1 % |
| AROMATIC HYDROCARBONS | Range | | 10 | 20 % | ACETONITRILE | Range | | 0 | 10 % |
| CHLOROFORM | Range | | 0 | 1 % | 1,4-DICHLOROBENZENE | Range | | 0 | 10 % |
| ETHANOL | Range | | 0 | 15 % | ACETONE | Range | | 0 | 10 % |
| ETHYL ACETATE | Range | | 0 | 10 % | BENZENE | Range | | 0 | 0.1 % |
| GLYCOL | Range | | 0 | 10 % | CUMENE | Range | | 0 | 1 % |
| METHANOL | Range | | 0 | 15 % | CYCLOHEXANE | Range | | 0 | 5 % |
| METHYL ETHYL KETONE | Range | | 0 | 10 % | N-BUTYL ALCOHOL | Range | | 0 | 10 % |
| METHYLENE CHLORIDE | Range | | 0 | 1 % | OIL | Range | | 0 | 10 % |
| PETROLEUM DISTILLATES | Range | | 0 | 10 % | TRICHLOROETHYLENE | Range | | 0 | 1 % |
| TOLUENE | Range | | 0 | 10 % | XYLENE | Range | | 0 | 10 % |
| WATER | Range | | 0 | 15 % | | | | | |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **VOCs >= 500 ppm** TOC **>10%**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

- Ammonia
- Asbestos, Friable
- Asbestos, Non-friable
- APHIS Waste
- CERCLA
- Dioxins
- Dust Hazard
- Flammable Solid
- Infectious
- Medical (sharps, needles)
- Organic Peroxide
- Oxidizer
- Pesticide/Herbicide
- PFAS/PFOA
- phenolics
- Profile Subpart P
- PUSO
- Radioactive
- RCRA Debris

REACTIVITY:

- Cyanide Reactive
 - Explosive
 - Polymerizes
 - Pyrophoric
 - Reactive (Other)/Temp Sensitive
 - Reactive Metals
 - Shock Sensitive
 - Sulfide Reactive
 - Water Reactive
- Others

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): D001,D004,D005,D006,D007,D008,D010,D011,D016,D018,D019,D021,D022,D027,D028,D029,D035,D036,D038,D039,D040,F001,F002,F003,F005,U002,U003,U019,U031,U044,U055,U057,U108,U112,U117,U140,U154,U213,U220,U239

State Code(s):

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical Generator Knowledge SDS

| METALS: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | |
|--------------------|-------------------|-------------------------------------|--------------------------|-------------------------------------|------|------------|--------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | |
| D004 Arsenic (As) | 5.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >5 | TCLP(MG/L) | Antimony (Sb) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >100 | TCLP(MG/L) | Beryllium (Be) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >1 | TCLP(MG/L) | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >5 | TCLP(MG/L) | Cobalt (Co) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >5 | TCLP(MG/L) | Copper (Cu) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Nickel (Ni) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D010 Selenium (Se) | 1.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >1 | TCLP(MG/L) | Thallium (Tl) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D011 Silver (Ag) | 5.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >5 | TCLP(MG/L) | Vanadium (V) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| | | | | | | | Zinc (Zn) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | | |
|---------------------------|-------------------|-------------------------------------|--------------------------|--------------------------|------|------------|---------------------------|-------|-------------------------------------|--------------------------|-------------------------------------|------|------------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | | |
| D018 Benzene | 0.5 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >0.5 | TCLP(MG/L) | D029 1,1-Dichloroethylene | 0.7 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >0.7 | TCLP(MG/L) |
| D019 Carbon Tetrachloride | 0.5 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >0.5 | TCLP(MG/L) | D035 Methyl ethyl ketone | 200.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >200 | TCLP(MG/L) |
| D021 Chlorobenzene | 100.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >100 | TCLP(MG/L) | D039 Tetrachloroethylene | 0.7 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >0.7 | TCLP(MG/L) |
| D022 Chloroform | 6.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >6 | TCLP(MG/L) | D040 Trichloroethylene | 0.5 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >0.5 | TCLP(MG/L) |
| D028 1,2-Dichloroethane | 0.5 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >0.5 | TCLP(MG/L) | D043 Vinyl Chloride | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | | |
|-----------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|------|----------------------------------|-------|-------------------------------------|--------------------------|-------------------------------------|-----|------------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | | |
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | 10.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >10 | TCLP(MG/L) |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | | |
|-----------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|------|--------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| | | | | | | | | | | | | | |
|--------------------------|-------|-------------------------------------|--------------------------|-------------------------------------|------|------------|----------------------------|-------|-------------------------------------|--------------------------|-------------------------------------|-----|------------|
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | 3.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | 2.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >2 | TCLP(MG/L) |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >7.5 | TCLP(MG/L) | D038 Pyridine | 5.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >5 | TCLP(MG/L) |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | 400.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE BILL OF LADING OR HAZARDOUS WASTE MANIFEST INCLUDING TECHNICAL CONSTITUENTS.

UN1992, Waste Flammable liquids, toxic, n.o.s., (METHYLENE CHLORIDE, CHLOROFORM), 3 (6.1), II, RQ(D001=100#,D018=10#), ERG(131)

Process Code(s):

Management Instructions/Comments:

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly
Average Shipment Quantity:

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the material described herein. By signing this profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

Signed by: 
 Authorized Signature:  Authorized Printed Name: Kyle Wilson Title: Haz. Materials Specialist Date: 2/3/2025

Authorized Signature

Authorized Printed Name

Title

Date

WASTE PROFILE FORM

Profile #: **NCS-104** Revision #: **7**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first):

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **104 - HALOGENATED/NON-HALOGENATED SOLVENTS**

Process generating Waste (be specific): **CONSOLIDATED WASTE FROM ANALYTICAL PROCESSES**

Form: **W204 - Concentrated halogenated/ non-halogenated solvent mixture**

Source: **G22 - Laboratory analytical wastes (used chemicals from laboratory operations)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|--|--|---|---|
| Layers: | Physical State | Specific Gravity (water=1, oil<1, sol >1) | Viscosity (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Multi-layered | Solid %: 0 | Est. ≥0.8, <1 Actual | Low (Water) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | | |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 100 | Water %: 0 Pumpable: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Color: amber |
| Odor: | <input type="checkbox"/> None <input checked="" type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: aromatic | |
| pH: | <input type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input checked="" type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | |
| Liquid Flash Point: | <input type="checkbox"/> <73° F <input checked="" type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input type="checkbox"/> >200° F <input type="checkbox"/> None | Actual: <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F | |
| BTU/lbs range: | <input type="checkbox"/> <2000 <input type="checkbox"/> 2000-5000 <input checked="" type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: >20% |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|--------------------------------|-------|-----|-----|-----|---------------------------|-------|-----|-----|-----|
| Acetone | Range | 0 | 5 | % | organic solvents | Range | 0 | 5 | % |
| aromatic hydrocarbons | Range | 0 | 5 | % | chlorobenzene | Range | 1 | 20 | % |
| chloroform | Range | 1 | 20 | % | carbon tetrachloride | Range | 0 | 5 | % |
| ethyl acetate | Range | 0 | 5 | % | 1,1,2,2 tetrachloroethane | Range | 0 | 5 | % |
| methanol | Range | 0 | 5 | % | methyl ethyl ketone | Range | 0 | 5 | % |
| methylene chloride | Range | 1 | 20 | % | water | Range | 10 | 30 | % |
| toluene | Range | 0 | 5 | % | tetrachloroethylene | Range | 0 | 5 | % |
| ethyl ether | Range | 0 | 5 | % | Acetonitrile | Range | 0 | 5 | % |
| xylene | Range | 0 | 5 | % | tetrachloromethane | Range | 0 | 5 | % |
| aliphatic hydrocarbons mixture | Range | 0 | 5 | % | trichloroethane | Range | 1 | 20 | % |
| ethanol | Range | 0 | 5 | % | | | | | |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **VOCs >= 500 ppm** TOC **>10%**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

- | | |
|--|--|
| <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable |
| <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> APHIS Waste |
| <input type="checkbox"/> Dioxins | <input type="checkbox"/> CERCLA |
| <input type="checkbox"/> Infectious | <input type="checkbox"/> Dust Hazard |
| <input type="checkbox"/> Oxidizer | <input type="checkbox"/> Medical (sharps, needles) |
| <input type="checkbox"/> phenolics | <input type="checkbox"/> Pesticide/Herbicide |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> Profile Subpart P |
| | <input type="checkbox"/> RCRA Debris |
| | <input type="checkbox"/> Flammable Solid |
| | <input type="checkbox"/> Organic Peroxide |
| | <input type="checkbox"/> PFAS/PFOA |
| | <input type="checkbox"/> PUSO |

REACTIVITY:

- | | |
|--|--|
| <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive |
| <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Reactive (Other)/Temp Sensitive | |
| <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Shock Sensitive |
| <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive |
| Others | |

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): D001,D004,D005,D006,D007,D008,D010,D011,D018,D019,D021,D022,D027,D028,D029,D035,D036,D038,D039,D040,F001,F002,F003,F004,F005,U002,U003,U01,U037,U044,U045,U055,U056,U070,U076,U077,U080,U112,U117,U140,U144,U154,U210,U211

State Code(s):

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical Generator Knowledge SDS

| METALS: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | |
|--------------------|-------------------|-------------------------------------|--------------------------|-------------------------------------|------|------------|--------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | |
| D004 Arsenic (As) | 5.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >5 | TCLP(MG/L) | Antimony (Sb) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >100 | TCLP(MG/L) | Beryllium (Be) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >1 | TCLP(MG/L) | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >5 | TCLP(MG/L) | Cobalt (Co) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >5 | TCLP(MG/L) | Copper (Cu) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Nickel (Ni) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D010 Selenium (Se) | 1.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >1 | TCLP(MG/L) | Thallium (Tl) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D011 Silver (Ag) | 5.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >5 | TCLP(MG/L) | Vanadium (V) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| | | | | | | | Zinc (Zn) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | | |
|---------------------------|-------------------|-------------------------------------|--------------------------|--------------------------|------|------------|---------------------------|-------|-------------------------------------|--------------------------|-------------------------------------|------|------------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | | |
| D018 Benzene | 0.5 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >0.5 | TCLP(MG/L) | D029 1,1-Dichloroethylene | 0.7 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >0.7 | TCLP(MG/L) |
| D019 Carbon Tetrachloride | 0.5 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >0.5 | TCLP(MG/L) | D035 Methyl ethyl ketone | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D021 Chlorobenzene | 100.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >100 | TCLP(MG/L) | D039 Tetrachloroethylene | 0.7 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >0.7 | TCLP(MG/L) |
| D022 Chloroform | 6.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >6 | TCLP(MG/L) | D040 Trichloroethylene | 0.5 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >0.5 | TCLP(MG/L) |
| D028 1,2-Dichloroethane | 0.5 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >0.5 | TCLP(MG/L) | D043 Vinyl Chloride | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | | |
|-----------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|------|----------------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | | |
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | | |
|-----------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|------|--------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | 3.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| | | | | | | | | | | | | | |
|--------------------------|-------|-------------------------------------|--------------------------|-------------------------------------|------|------------|----------------------------|-------|-------------------------------------|--------------------------|-------------------------------------|-----|------------|
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >7.5 | TCLP(MG/L) | D038 Pyridine | 5.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >5 | TCLP(MG/L) |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | 400.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:

UN1992, Waste Flammable liquids, toxic, n.o.s., (ACETONE, XYLENE), 3 (6.1), II, RQ(D001=100#), ERG(131)

Process Code(s):

Disposal Instructions/Comments:

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity:

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.


 961D41A70CBD41E James R Atkinson Haz-Waste Specialist 2/21/2024

Authorized Signature Authorized Printed Name Title Date

WASTE PROFILE FORM

 Profile #: **NCS-105** Revision #: **4**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first):

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **105 - PAINT RELATED MATERIAL**

Process generating Waste (be specific): **CONSOLIDATION OF PAINT MATERIAL**

Form: **W209 - Paint, ink, lacquer, or varnish (fluid - not dried out or sludge)**

Source: **G11 - Discarding off-specification or out-of-date chemicals or products (unused chemicals or products - corresponds to P and U hazardous waste codes)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|--|--|---|--|
| Layers: | Physical State | Specific Gravity (water=1, oil<1, sol >1) | Viscosity (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Multi-layered | Solid %: 0 | Est. ≥1, <1.2 | Actual Medium (Oil) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Color: various |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 100 | Pumpable: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| | Water %: 0 | | |
| Odor: <input type="checkbox"/> None <input checked="" type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: thinner | | |
| pH: <input type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input checked="" type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | | |
| Liquid Flash Point: <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input checked="" type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input type="checkbox"/> >200° F <input type="checkbox"/> None | Actual: | | <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F |
| BTU/lbs range: <input type="checkbox"/> <2000 <input type="checkbox"/> 2000-5000 <input checked="" type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | | Halogens %: |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|-------------------------|-------|-----|-----|-----|------------------------|-------|-----|-----|-----|
| aromatic hydrocarbons | Range | 0 | 25 | % | aliphatic hydrocarbons | Range | 1 | 25 | % |
| barium | Range | 0 | 0.1 | % | Paint | Range | 5 | 50 | % |
| benzene | Range | 0 | 0.5 | % | silver | Range | 0 | 0.1 | % |
| cadmium | Range | 0 | 0.1 | % | lead | Range | 0 | 0.1 | % |
| chromium | Range | 0 | 0.1 | % | toluene | Range | 0 | 2 | % |
| xylene | Range | 0 | 2 | % | water | Range | 0 | 10 | % |
| arsenic | Range | 0 | 0.1 | % | methyl ethyl ketone | Range | 0 | 0.1 | % |
| petroleum based thinner | Range | 5 | 25 | % | | | | | |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **VOCs >= 500 ppm** TOC **>10%**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

- Ammonia
- Asbestos, Friable
- Asbestos, Non-friable
- APHIS Waste
- CERCLA
- Dioxins
- Dust Hazard
- Flammable Solid
- Infectious
- Medical (sharps,needles)
- Organic Peroxide
- Oxidizer
- Pesticide/Herbicide
- PFAS/PFOA
- phenolics
- Profile Subpart P
- PUSO
- Radioactive
- RCRA Debris

REACTIVITY:

- Cyanide Reactive
 - Explosive
 - Polymerizes
 - Pyrophoric
 - Reactive (Other)/Temp Sensitive
 - Reactive Metals
 - Shock Sensitive
 - Sulfide Reactive
 - Water Reactive
- Others

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s):

State Code(s):

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical Generator Knowledge SDS

| METALS: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|--------------------|-------------------|---|-------------------|--------------------------|---|----------|
| | | | | | | |
| | | Above Below Not Present | | | Above Below Not Present | |
| D004 Arsenic (As) | 5.0 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | >5.0 TCLP(MG/L) | Antimony (Sb) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D005 Barium (Ba) | 100.0 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | >100.0 TCLP(MG/L) | Beryllium (Be) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D006 Cadmium (Cd) | 1.0 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | >1.0 TCLP(MG/L) | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D007 Chromium (Cr) | 5.0 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | >5.0 TCLP(MG/L) | Cobalt (Co) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D008 Lead (Pb) | 5.0 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | >5.0 TCLP(MG/L) | Copper (Cu) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Nickel (Ni) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D010 Selenium (Se) | 1.0 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | >1.0 TCLP(MG/L) | Thallium (Tl) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D011 Silver (Ag) | 5.0 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | >5.0 TCLP(MG/L) | Vanadium (V) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| | | | | Zinc (Zn) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |

| VOLATILES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|---------------------------|-------------------|---|-----------------|---------------------------|---|-----------------|
| | | | | | | |
| | | Above Below Not Present | | | Above Below Not Present | |
| D018 Benzene | 0.5 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | >0.5 TCLP(MG/L) | D029 1,1-Dichloroethylene | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D035 Methyl ethyl ketone | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | >200 TCLP(MG/L) |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D039 Tetrachloroethylene | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D040 Trichloroethylene | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D043 Vinyl Chloride | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|-----------------------|-------------------|---|----------|----------------------------------|---|----------|
| | | | | | | |
| | | Above Below Not Present | | | Above Below Not Present | |
| D012 Endrin | 0.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D016 2,4-D | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D013 Lindane | 0.4 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D017 2,4,5-TP (Silvex) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D020 Chlordane | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D031 Hepachlor (& it's epoxides) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|-----------------|-------------------|---|----------|--------------------------|---|----------|
| | | | | | | |
| | | Above Below Not Present | | | Above Below Not Present | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D033 Hexachlorobutadiene | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D034 Hexachloroethane | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |

| | | | | | | | | | | | | | |
|--------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|----------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | 400.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:

UN1263, Waste Paint, 3, II, RQ(D001), ERG(128)

Process Code(s):

Disposal Instructions/Comments:

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity:

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

DocuSigned by:
James R. Atkinson
 961D41A70CBD41E
 James R. Atkinson
 Haz-Waste Specialist
 3/1/2024

Authorized Signature

Authorized Printed Name

Title

Date

WASTE PROFILE FORM

Profile #: **NCS-107** Revision #: **5**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first):

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **107 - LATEX PAINT**

Process generating Waste (be specific): **CONSOLIDATED MATERIAL**

Form: **W209 - Paint, ink, lacquer, or varnish (fluid - not dried out or sludge)**

Source: **G11 - Discarding off-specification or out-of-date chemicals or products (unused chemicals or products - corresponds to P and U hazardous waste codes)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|--|--|---|---|
| Layers: | Physical State | Specific Gravity (water=1, oil<1, sol >1) | Viscosity (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Multi-layered | Solid %: 0 | Est. ≥1, <1.2 Actual | Medium (Oil) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | | |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 100 | Water %: 0 Pumpable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Color: various |
| Odor: | <input checked="" type="checkbox"/> None <input type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: | |
| pH: | <input type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input checked="" type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | |
| Liquid Flash Point: | <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input checked="" type="checkbox"/> >200° F <input type="checkbox"/> None | Actual: <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F | |
| BTU/lbs range: | <input type="checkbox"/> <2000 <input checked="" type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM | |
|-------------|-------|-----|-----|-----|-------------|-------------|-------|-----|-----|---|
| water | Range | | 0 | 20 | % | latex paint | Range | 80 | 100 | % |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **<1%**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

| | |
|---|---|
| <p>CHECK ALL THAT MAY APPLY:</p> <p><input type="checkbox"/> Asbestos, Non-friable</p> <p><input type="checkbox"/> Dioxins</p> <p><input type="checkbox"/> Infectious</p> <p><input type="checkbox"/> Oxidizer</p> <p><input type="checkbox"/> phenolics</p> <p><input type="checkbox"/> Radioactive</p> <p><input type="checkbox"/> Ammonia</p> <p><input type="checkbox"/> APHIS Waste</p> <p><input type="checkbox"/> Dust Hazard</p> <p><input type="checkbox"/> Medical (sharps, needles)</p> <p><input type="checkbox"/> Pesticide/Herbicide</p> <p><input type="checkbox"/> Profile Subpart P</p> <p><input type="checkbox"/> RCRA Debris</p> | <p>REACTIVITY:</p> <p><input type="checkbox"/> Cyanide Reactive</p> <p><input type="checkbox"/> Polymerizes</p> <p><input type="checkbox"/> Reactive (Other)/Temp Sensitive</p> <p><input type="checkbox"/> Reactive Metals</p> <p><input type="checkbox"/> Sulfide Reactive</p> <p><input type="checkbox"/> Explosive</p> <p><input type="checkbox"/> Pyrophoric</p> <p><input type="checkbox"/> Shock Sensitive</p> <p><input type="checkbox"/> Water Reactive</p> <p>Others </p> |
|---|---|

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): NONE

State Code(s): PA206

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical

Generator Knowledge

SDS

| METALS: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|--------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Antimony (Sb) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Beryllium (Be) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Cobalt (Co) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Copper (Cu) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Nickel (Ni) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Thallium (Tl) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Vanadium (V) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| | | | | | | | Zinc (Zn) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|---------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|---------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D018 Benzene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D029 1,1-Dichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D035 Methyl ethyl ketone | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D039 Tetrachloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D040 Trichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D043 Vinyl Chloride | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|-----------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|----------------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|--------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|----------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:

Non-RCRA, Non-DOT Regulated Material, (Latex Paint),

Process Code(s): [Redacted]

Disposal Instructions/Comments: [Redacted]

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity: [Redacted]

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

DocuSigned By: *James R Atkinson* [Redacted] James R Atkinson [Redacted] Haz-Waste Specialist [Redacted] 2/21/2024 [Redacted]

Authorized Signature Authorized Printed Name Title Date

WASTE PROFILE FORM

Profile #: **NCS-108** Revision #: **6**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG No NAICS code(s)(primary reporting first):

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **108 - MIXED INORGANIC ACIDS**

Process generating Waste (be specific): **CONSOLIDATED ACIDS FROM RESEARCH**

Form: **W103 - Spent concentrated acid (5% or more)**

Source: **G22 - Laboratory analytical wastes (used chemicals from laboratory operations)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|---|--|--|--|
| Layers: | Physical State | Specific Gravity (water=1, oil<1, sol >1) | Viscosity (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Multi-layered | Solid %: 0 | Est. N/A Actual 0.8-1.0 | Low (Water) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | | |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 100 | Water %: 20 Pumpable: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Color: clear |
| Odor: <input checked="" type="checkbox"/> None <input type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: | | |
| pH: <input type="checkbox"/> N/A <input checked="" type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | | |
| Liquid Flash Point: <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input type="checkbox"/> >200° F | <input checked="" type="checkbox"/> None | Actual: | <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F |
| BTU/lbs range: <input type="checkbox"/> <2000 <input checked="" type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: <3% | |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|-------------|-------|-----|-----|-----|-------------------|-------|-----|-----|-----|
| arsenic | Range | 0 | 0.1 | % | lead | Range | 0 | 0.1 | % |
| nitric acid | Range | 0 | 5 | % | phosphoric acid | Range | 0 | 8 | % |
| selenium | Range | 0 | 0.1 | % | chromium | Range | 0 | 0.5 | % |
| silver | Range | 0 | 0.1 | % | sulfuric acid | Range | 0 | 8 | % |
| silver | Range | 0 | 0.1 | % | barium | Range | 0 | 0.1 | % |
| water | Range | 20 | 80 | % | hydrochloric acid | Range | 1 | 8 | % |
| cadmium | Range | 0 | 0.1 | % | | | | | |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **<1%**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

- Ammonia
- Asbestos, Friable
- Asbestos, Non-friable
- APHIS Waste
- CERCLA
- Dioxins
- Dust Hazard
- Flammable Solid
- Infectious
- Medical (sharps, needles)
- Organic Peroxide
- Oxidizer
- Pesticide/Herbicide
- PFAS/PFOA
- phenolics
- Profile Subpart P
- PUSO
- Radioactive
- RCRA Debris

REACTIVITY:

- Cyanide Reactive
- Explosive
- Polymerizes
- Pyrophoric
- Reactive (Other)/Temp Sensitive
- Reactive Metals
- Shock Sensitive
- Sulfide Reactive
- Water Reactive

Others

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): **D002,D004,D005,D006,D007,D008,D010,D011**

State Code(s):

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical

Generator Knowledge

SDS

| METALS: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM | | |
|--------------------|-------------------|---|------|-------------------|-------------------------------|---|-----|------|
| | | Above Below Not Present | | | Above Below Not Present | | | |
| D004 Arsenic (As) | 5.0 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | N/A | TCLP(MG/L) | Antimony (Sb) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | N/A | TCLP(MG/L) | Beryllium (Be) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | N/A | TCLP(MG/L) | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | N/A | TCLP(MG/L) | Cobalt (Co) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | N/A | TCLP(MG/L) | Copper (Cu) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | None | | Nickel (Ni) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None |
| D010 Selenium (Se) | 1.0 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | N/A | TCLP(MG/L) | Thallium (Tl) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None |
| D011 Silver (Ag) | 5.0 | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | N/A | TCLP(MG/L) | Vanadium (V) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None |
| | | | | | Zinc (Zn) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None |

| VOLATILES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM | | | |
|---------------------------|-------------------|---|-----|-------------------|-------------------------------|-------|---|-----|------|
| | | Above Below Not Present | | | Above Below Not Present | | | | |
| D018 Benzene | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None | D029 1,1-Dichloroethylene | 0.7 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None | D035 Methyl ethyl ketone | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None | D039 Tetrachloroethylene | 0.7 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None | D040 Trichloroethylene | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None | D043 Vinyl Chloride | 0.2 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM | | | |
|-----------------------|-------------------|---|-----|-------------------|----------------------------------|------|---|-----|------|
| | | Above Below Not Present | | | Above Below Not Present | | | | |
| D012 Endrin | 0.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | 10.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | 1.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | 0.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | 0.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM | | | |
|-----------------|-------------------|---|-----|-------------------|-------------------------------|-----|---|-----|------|
| | | Above Below Not Present | | | Above Below Not Present | | | | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | 3.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A | None |

| | | | | | | | | | | | | | |
|--------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|----------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | 400.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:
 UN3264, Waste Corrosive liquid, acidic, inorganic, n.o.s., (HYDROCHLORIC ACID, SULFURIC ACID), 8, II, RQ(D002=100#), ERG(154)

Process Code(s):

Disposal Instructions/Comments: NCSU HAS AFL (NO STABLEX)

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity:

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

064D41A70C8D41E...
 James R Atkinson James R Atkinson Haz-Waste Specialist 2/19/2024

Authorized Signature Authorized Printed Name Title Date

PROFILE FORM

Profile #: **NCS-108B** Revision #: **1**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: _____ EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Karen Trimberger** Email: **katrimbe@ncsu.edu** Phone: **(919) 515-6859** Fax: **(919) 515-6307**

Manifest ER Phone #: **8775772669** Generator Subpart P: Yes No Various Generator: Yes No State ID#: _____

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first): **611310**

TSDF Approval List: Yes No Treatment/Disposal Restrictions: _____

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: _____ Customer #: _____

Customer Name: **North Carolina State University** Phone: _____

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: _____ Email: **mdlong3@ncsu.edu** Fax: _____

B: MATERIAL DESCRIPTION Common Name: **Inorganic Acid Vials**

Generating Process (be specific): **Laboratory Analysis Residue**

W119 - Other inorganic liquid (specify in comments)

Form: _____

G11 - Discarding off-specification or out-of-date chemicals or products (unused chemicals or products - corresponds to P and U hazardous waste codes)

Source: _____

1 - Generated on-site from a product process or service activity

Origin: _____

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF MATERIAL (@70°F)

| | | | |
|--|--|---|--|
| Layers: | Physical State | Specific Gravity | Viscosity |
| <input type="checkbox"/> Multi-layered | Solid %: 0 | oil <1, sol >1) | (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | | Est. Actual |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 0 | N/A | |
| | Water %: 50 | Pumpable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Color: _____ |
| Odor: <input checked="" type="checkbox"/> None <input type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: _____ | | |
| pH: <input type="checkbox"/> N/A <input checked="" type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: _____ | | |
| Liquid Flash Point: <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input checked="" type="checkbox"/> >200° F <input type="checkbox"/> None | Actual: _____ | | <input checked="" type="checkbox"/> °C <input type="checkbox"/> °F |
| BTU/lbs range: <input type="checkbox"/> <2000 <input type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: _____ | |

D: CHEMICAL COMPOSITION OF MATERIAL

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|-----------------|-------|-----|-----|-----|-------------------|-------|-----|-----|-----|
| SULFURIC ACID | Range | 50 | 60 | % | HYDROCHLORIC ACID | < | | | 1 % |
| PHOSPHORIC ACID | Range | 20 | 30 | % | GLASS VIALS | Range | 30 | 50 | % |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **N/A**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

- Ammonia
- Asbestos, Friable
- Asbestos, Non-friable
- APHIS Waste
- CERCLA
- Dioxins
- Dust Hazard
- Flammable Solid
- Infectious
- Medical (sharps, needles)
- Organic Peroxide
- Oxidizer
- Pesticide/Herbicide
- PFAS/PFOA
- phenolics
- Profile Subpart P
- PUSO
- Radioactive
- RCRA Debris

REACTIVITY:

- Cyanide Reactive
 - Explosive
 - Polymerizes
 - Pyrophoric
 - Reactive (Other)/Temp Sensitive
 - Reactive Metals
 - Shock Sensitive
 - Sulfide Reactive
 - Water Reactive
- Others

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No EPA Exemption ref

EPA Waste Code(s): D002

State Code(s):

State Regulated Waste: Yes No Generator State Universal Waste: Yes No WA Designation: DW

LANDFILL INFORMATION Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical Generator Knowledge SDS

METALS:

| | Range | UOM | | Range | UOM | | | | | | | | |
|--------------------|------------|--------------------------|--------------------------|-------------------------------------|-------|-------------|--------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | TCLP Limit | | | TCLP Limit | | | | | | | | | |
| | (mg/l) | | | (mg/l) | | | | | | | | | |
| | Above | Below | Not Present | Above | Below | Not Present | | | | | | | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Antimony (Sb) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Beryllium (Be) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Hexavalent Chrome (Cr+6) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Cobalt (Co) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Copper (Cu) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Nickel (Ni) | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Thallium (Tl) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Vanadium (V) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| | | | | | | | Zinc (Zn) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

VOLATILES:

| | Range | UOM | | Range | UOM | | | | | | | | |
|---------------------------|------------|--------------------------|--------------------------|-------------------------------------|-------|-------------|---------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | TCLP Limit | | | TCLP Limit | | | | | | | | | |
| | (mg/l) | | | (mg/l) | | | | | | | | | |
| | Above | Below | Not Present | Above | Below | Not Present | | | | | | | |
| D018 Benzene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D029 1,1-Dichloroethylene | 0.7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D035 Methyl ethyl ketone | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D039 Tetrachloroethylene | 0.7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D040 Trichloroethylene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D043 Vinyl Chloride | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

PESTICIDE/HERBICIDES:

| | Range | UOM | | Range | UOM | | | | | | | | |
|-------------------|------------|--------------------------|--------------------------|-------------------------------------|-------|-------------|----------------------------------|------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | TCLP Limit | | | TCLP Limit | | | | | | | | | |
| | (mg/l) | | | (mg/l) | | | | | | | | | |
| | Above | Below | Not Present | Above | Below | Not Present | | | | | | | |
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

SEMI-VOLATILES:

Range UOM

Range UOM

| | TCLP Limit | | | Range | UOM | TCLP Limit | | | Range | UOM | |
|--------------------------|------------|--|---|-------|------|----------------------------|----------------|--|---|-----|------|
| | (mg/l) | Above Below | Not Present | | | (mg/l) | Above Below | Not Present | | | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> Above <input type="checkbox"/> Below | <input checked="" type="checkbox"/> Not Present | N/A | None | D033 Hexachlorobutadiene | 0.5 | <input type="checkbox"/> Above <input type="checkbox"/> Below | <input checked="" type="checkbox"/> Not Present | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> Above <input type="checkbox"/> Below | <input checked="" type="checkbox"/> Not Present | N/A | None | D034 Hexachloroethane | 3.0 | <input type="checkbox"/> Above <input type="checkbox"/> Below | <input checked="" type="checkbox"/> Not Present | N/A | None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> Above <input type="checkbox"/> Below | <input checked="" type="checkbox"/> Not Present | N/A | None | D036 Nitrobenzene | 2.0 | <input type="checkbox"/> Above <input type="checkbox"/> Below | <input checked="" type="checkbox"/> Not Present | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> Above <input type="checkbox"/> Below | <input checked="" type="checkbox"/> Not Present | N/A | None | D037 Pentachlorophenol | 100.0 | <input type="checkbox"/> Above <input type="checkbox"/> Below | <input checked="" type="checkbox"/> Not Present | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> Above <input type="checkbox"/> Below | <input checked="" type="checkbox"/> Not Present | N/A | None | D038 Pyridine | 5.0 | <input type="checkbox"/> Above <input type="checkbox"/> Below | <input checked="" type="checkbox"/> Not Present | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> Above <input type="checkbox"/> Below | <input checked="" type="checkbox"/> Not Present | N/A | None | D041 2,4,5-Trichlorophenol | 400.0 | <input type="checkbox"/> Above <input type="checkbox"/> Below | <input checked="" type="checkbox"/> Not Present | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> Above <input type="checkbox"/> Below | <input checked="" type="checkbox"/> Not Present | N/A | None | D042 2,4,6-Trichlorophenol | 2.0 | <input type="checkbox"/> Above <input type="checkbox"/> Below | <input checked="" type="checkbox"/> Not Present | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE BILL OF LADING OR HAZARDOUS WASTE MANIFEST INCLUDING TECHNICAL CONSTITUENTS.

UN3264, Waste Corrosive liquid, acidic, inorganic, n.o.s., (SULFURIC ACID, PHOSPHORIC ACID), 8, II, RQ(D002=100#), ERG(154)

Process Code(s):

Management Instructions/Comments:

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: As Needed Average Shipment Quantity: 1 x 55 gallon

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the material described herein. By signing this profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

Authorized Signature: _____ Authorized Printed Name: _____ Title: _____ Date: _____

WASTE PROFILE FORM

Profile #: **NCS-110** Revision #: **6**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: _____ EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#: _____

Generator Status: LQG SQG VSQG/CESQG No NAICS code(s)(primary reporting first): _____

TSDF Approval List: Yes No Disposal Restrictions: _____

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: _____ Customer #: _____

Customer Name: **North Carolina State University** Phone: _____

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: _____ Email: **mdlong3@ncsu.edu** Fax: _____

B: WASTE DESCRIPTION Waste Common Name: **110 - CLEAN UP DEBRIS**

Process generating Waste (be specific): **LAB AND ANALYTICAL DERIVED WASTE**

Form: **W002 - Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, other solids (usually from construction, demolition, cleaning, or remediation)**

Source: **G22 - Laboratory analytical wastes (used chemicals from laboratory operations)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|--|--|---|--|
| Layers: | Physical State | Specific Gravity (water=1, oil<1, sol >1) | Viscosity (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Multi-layered | Solid %: 100 | <input type="checkbox"/> Debris <input type="checkbox"/> Monolith <input type="checkbox"/> Powder | Est. N/A Actual 1.1-1.2 High (Tar/Honey) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | <input type="checkbox"/> Compressed Gas | |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 0 | Water %: 0 Pumpable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Color: various |
| Odor: | <input type="checkbox"/> None <input checked="" type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: SOLVENT | |
| pH: | <input checked="" type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: _____ | |
| Liquid Flash Point: | <input type="checkbox"/> <73° F <input checked="" type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input type="checkbox"/> >200° F <input type="checkbox"/> None | Actual: _____ | <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F |
| BTU/lbs range: | <input type="checkbox"/> <2000 <input checked="" type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: <3% |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|--------------------------------------|-------|-----|-----|-----|--|-------|-----|-----|-------|
| acetone Cresol | Range | | 0 | 1 % | Acrylamide | Range | | 0 | 1 % |
| Aresenic, barium, cadmium, chromium | Range | | 0 | 1 % | methyl ethyl ketone, tetrachloroethylene | Range | | 0 | 1 % |
| lead, selenium, silver, benzene | Range | | 0 | 1 % | trichloroethylene, toluene, methanol, | Range | | 0 | 1 % |
| carbon tetrachloride, chlorobenzene, | Range | | 0 | 1 % | Debris (paper, glass, cardboard, plastic | Range | | 95 | 100 % |
| chloroform, dichloroethane | Range | | 0 | 1 % | Vinyl Chloride | Range | | 0 | 1 % |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **<1%**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

- Ammonia
- Asbestos, Friable
- Asbestos, Non-friable
- APHIS Waste
- CERCLA
- Dioxins
- Dust Hazard
- Flammable Solid
- Infectious
- Medical (sharps, needles)
- Organic Peroxide
- Oxidizer
- Pesticide/Herbicide
- PFAS/PFOA
- phenolics
- Profile Subpart P
- PUSO
- Radioactive
- RCRA Debris

REACTIVITY:

- Cyanide Reactive
- Explosive
- Polymerizes
- Pyrophoric
- Reactive (Other)/Temp Sensitive
- Reactive Metals
- Shock Sensitive
- Sulfide Reactive
- Water Reactive

Others

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): **D001,D004,D005,D006,D007,D008,D010,D011,D018,D021,D022,D024,D026,D027,D028,D035,D038,D039,D040,D043,F001,F002,F003,F004,F005,U007,U188**

State Code(s):

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical

Generator Knowledge

SDS

| METALS: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|--------------------|-------------------|---|-------------------|--------------------------|---|----------|
| | | Above Below Not Present | | | Above Below Not Present | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> Above <input checked="" type="checkbox"/> Below <input type="checkbox"/> Not Present | <5 TCLP(MG/L) | Antimony (Sb) | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> Above <input checked="" type="checkbox"/> Below <input type="checkbox"/> Not Present | <100.0 TCLP(MG/L) | Beryllium (Be) | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> Above <input checked="" type="checkbox"/> Below <input type="checkbox"/> Not Present | <1.0 TCLP(MG/L) | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> Above <input checked="" type="checkbox"/> Below <input type="checkbox"/> Not Present | <5.0 TCLP(MG/L) | Cobalt (Co) | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> Above <input checked="" type="checkbox"/> Below <input type="checkbox"/> Not Present | <5.0 TCLP(MG/L) | Copper (Cu) | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None | Nickel (Ni) | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> Above <input checked="" type="checkbox"/> Below <input type="checkbox"/> Not Present | <1.0 TCLP(MG/L) | Thallium (Tl) | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> Above <input checked="" type="checkbox"/> Below <input type="checkbox"/> Not Present | <5.0 TCLP(MG/L) | Vanadium (V) | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None |
| | | | | Zinc (Zn) | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None |

| VOLATILES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|---------------------------|-------------------|---|-----------------|---------------------------|---|-----------------|
| | | Above Below Not Present | | | Above Below Not Present | |
| D018 Benzene | 0.5 | <input type="checkbox"/> Above <input checked="" type="checkbox"/> Below <input type="checkbox"/> Not Present | <0.5 TCLP(MG/L) | D029 1,1-Dichloroethylene | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> Above <input checked="" type="checkbox"/> Below <input type="checkbox"/> Not Present | <0.5 TCLP(MG/L) | D035 Methyl ethyl ketone | <input type="checkbox"/> Above <input checked="" type="checkbox"/> Below <input type="checkbox"/> Not Present | <200 TCLP(MG/L) |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> Above <input checked="" type="checkbox"/> Below <input type="checkbox"/> Not Present | <100 TCLP(MG/L) | D039 Tetrachloroethylene | <input type="checkbox"/> Above <input checked="" type="checkbox"/> Below <input type="checkbox"/> Not Present | <0.7 TCLP(MG/L) |
| D022 Chloroform | 6.0 | <input type="checkbox"/> Above <input checked="" type="checkbox"/> Below <input type="checkbox"/> Not Present | <6 TCLP(MG/L) | D040 Trichloroethylene | <input type="checkbox"/> Above <input checked="" type="checkbox"/> Below <input type="checkbox"/> Not Present | <0.5 TCLP(MG/L) |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None | D043 Vinyl Chloride | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|-----------------------|-------------------|---|----------|----------------------------------|---|----------|
| | | Above Below Not Present | | | Above Below Not Present | |
| D012 Endrin | 0.0 | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None | D016 2,4-D | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None |
| D013 Lindane | 0.4 | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None | D017 2,4,5-TP (Silvex) | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None | D020 Chlordane | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None | D031 Hepachlor (& it's epoxides) | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|-----------------|-------------------|---|----------|--------------------------|---|----------|
| | | Above Below Not Present | | | Above Below Not Present | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None | D033 Hexachlorobutadiene | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None | D034 Hexachloroethane | <input type="checkbox"/> Above <input type="checkbox"/> Below <input checked="" type="checkbox"/> Not Present | N/A None |

| | | | | | | | | | | | | | |
|--------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|----------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | 400.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:

UN3175, Waste Solids containing flammable liquid, n.o.s., (CRESOL, VINYL CHLORIDE), 4.1, II, RQ(D001=100#), ERG(133)

Process Code(s):

Disposal Instructions/Comments:

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity:

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

064D41A70C8D41E...
 James R Atkinson
 James R Atkinson
 Haz-Waste Specialist
 2/19/2024

Authorized Signature Authorized Printed Name Title Date

PROFILE FORM

Profile #: **NCS-116** Revision #: **6**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Karen Trimberger** Email: **katrimbe@ncsu.edu** Phone: **(919) 515-6859** Fax: **(919) 515-6307**

Manifest ER Phone #: **8775772669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQ NAICS code(s)(primary reporting first): **611310**

TSDF Approval List: Yes No Treatment/Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: MATERIAL DESCRIPTION Common Name: **NCS-116 MERCURY CLEAN-UP DEBRIS**

Generating Process (be specific): **CLEAN-UP**

Form: **W002 - Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, other solids (usually from construction, demolition, cleaning, or remediation)**

Source: **G32 - Cleanup of spill residues (infrequent, not routine)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF MATERIAL (@70°F)

Layers: Multi-layered Bi-Layered Single Layered

Physical State: Solid %: **>99** Sludge %: **0** Free Liquid %: **<1**

Specific Gravity (water=1, oil <1, sol >1): Est. **N/A** Actual

Viscosity (Low-water, Med-oil, High-Honey): **High (Tar/Honey)**

Water %: **0** Pumpable: Yes No Color: **various**

Odor: None Mild Strong Description:

pH: N/A ≤2.0 >2.01-4.00 4.01 - 10.00 10.01-12.49 ≥12.5 Actual:

Liquid Flash Point: <73° F 73<100° F 100<140° F 140-200° F >200° F None Actual: °C °F

BTU/lbs range: <2000 2000-5000 >5001-10,000 >10,000 Boiling Point: ≤95° F >95° F Halogens %: **N/A**

D: CHEMICAL COMPOSITION OF MATERIAL

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|-------------------------------------|-----|-----|-----|-----|-------------|------|-----|-----|-----|
| DEBRIS: PAPER, PLASTIC, RAGS, ETC.. | = | | 99 | % | ELEMENTAL | Info | | | |
| MERCURY | = | | 1 | % | | | | | |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **>10%**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

| | |
|--|--|
| <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable |
| <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> CERCLA |
| <input type="checkbox"/> Dioxins | <input type="checkbox"/> Flammable Solid |
| <input type="checkbox"/> Infectious | <input type="checkbox"/> Organic Peroxide |
| <input type="checkbox"/> Oxidizer | <input type="checkbox"/> PFAS/PFOA |
| <input type="checkbox"/> phenolics | <input type="checkbox"/> PUSO |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> RCRA Debris |

REACTIVITY:

| | |
|--|--|
| <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive |
| <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Reactive (Other)/Temp Sensitive | |
| <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Shock Sensitive |
| <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive |

Others:

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): **D009**

State Code(s):

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical

Generator Knowledge

SDS

| METALS: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM |
|--------------------|-------------------|-------------------------------------|--------------------------|-------------------------------------|------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|----------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | Antimony (Sb) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | Beryllium (Be) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | Cobalt (Co) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | Copper (Cu) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D009 Mercury (Hg) | 0.2 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <10000 Total ppm | Nickel (Ni) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | Thallium (Tl) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | Vanadium (V) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| | | | | | | Zinc (Zn) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |

| VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM |
|---------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|----------|---------------------------|--------------------------|--------------------------|-------------------------------------|----------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | |
| D018 Benzene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D029 1,1-Dichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D035 Methyl ethyl ketone | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D039 Tetrachloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D040 Trichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D043 Vinyl Chloride | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM |
|-----------------------|-------------------|--------------------------|--------------------------|-------------------------------------|----------|----------------------------------|--------------------------|--------------------------|-------------------------------------|----------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | |
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D016 2,4-D | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D017 2,4,5-TP (Silvex) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D020 Chlordane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D031 Hepachlor (& it's epoxides) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM |
|--------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|----------|----------------------------|--------------------------|--------------------------|-------------------------------------|----------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D033 Hexachlorobutadiene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D034 Hexachloroethane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D036 Nitrobenzene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D037 Pentachlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D038 Pyridine | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D041 2,4,5-Trichlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D042 2,4,6-Trichlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE BILL OF LADING OR HAZARDOUS WASTE MANIFEST INCLUDING TECHNICAL CONSTITUENTS.

NA3077, Hazardous waste, solid, n.o.s., (MERCURY), 9, III, RQ(D009=100#), ERG(171)

Process Code(s): [Redacted]

Management Instructions/Comments: [Redacted]

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly
Average Shipment Quantity: [Redacted]

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the material described herein. By signing this profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

Signed by: 
DC73B3A587E44D6 [Redacted] Kyle Wilson [Redacted] Haz. Materials Specialist [Redacted] 2/3/2025 [Redacted]

Authorized Signature

Authorized Printed Name

Title

Date

WASTE PROFILE FORM

 Profile #: **MCS-117** Revision #: **6**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first):

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **NCS-117 NON HAZ MEDICINES**

Process generating Waste (be specific): **DISCARDED PRODUCT**

Form: **W409 - Other organic solids (specify in comments)**

Source: **G11 - Discarding off-specification or out-of-date chemicals or products (unused chemicals or products - corresponds to P and U hazardous waste codes)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|---|--|---|--|
| Layers: | Physical State | Specific Gravity (water=1, oil<1, sol >1) | Viscosity (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Multi-layered | Solid %: 100 | <input type="checkbox"/> Debris <input type="checkbox"/> Monolith <input type="checkbox"/> Powder | |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | <input type="checkbox"/> Compressed Gas | Est. N/A Actual 1.1-1.2 High (Tar/Honey) |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 0 | Water %: 0 Pumpable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Color: var |
| Odor: <input checked="" type="checkbox"/> None <input type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: | | |
| pH: <input checked="" type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | | |
| Liquid Flash Point: <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input type="checkbox"/> >200° F | <input checked="" type="checkbox"/> None | Actual: | <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F |
| BTU/lbs range: <input type="checkbox"/> <2000 <input type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: N/A | |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|---------------------------|-------|-----|-----|-----|------------------------------------|-------|-----|-----|-----|
| Empty medicine containers | Range | 50 | 100 | % | Non hazardous medicines and pharma | Range | 0 | 50 | % |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **N/A**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

| | | | |
|--|---|--|---|
| CHECK ALL THAT MAY APPLY: | <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable | REACTIVITY: |
| <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> APHIS Waste | <input type="checkbox"/> CERCLA | <input type="checkbox"/> Cyanide Reactive <input type="checkbox"/> Explosive |
| <input checked="" type="checkbox"/> Dioxins | <input type="checkbox"/> Dust Hazard | <input type="checkbox"/> Flammable Solid | <input type="checkbox"/> Polymerizes <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Infectious | <input type="checkbox"/> Medical (sharps, needles) | <input type="checkbox"/> Organic Peroxide | <input type="checkbox"/> Reactive (Other)/Temp Sensitive |
| <input type="checkbox"/> Oxidizer | <input checked="" type="checkbox"/> Pesticide/Herbicide | <input type="checkbox"/> PFAS/PFOA | <input type="checkbox"/> Reactive Metals <input type="checkbox"/> Shock Sensitive |
| <input checked="" type="checkbox"/> phenolics | <input type="checkbox"/> Profile Subpart P | <input type="checkbox"/> PUSO | <input type="checkbox"/> Sulfide Reactive <input type="checkbox"/> Water Reactive |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> RCRA Debris | | Others |

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): NONE

State Code(s): PA312

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)?

yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical

Generator Knowledge

SDS

| METALS: | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM |
|--------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------|--------------------------|--------------------------|--------------------------|-------------------------------------|-------|------|
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Antimony (Sb) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Beryllium (Be) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Cobalt (Co) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Copper (Cu) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Nickel (Ni) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Thallium (Tl) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Vanadium (V) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| | | | | | | | Zinc (Zn) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| VOLATILES: | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | |
|---------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------|---------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| D018 Benzene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D029 1,1-Dichloroethylene | 0.7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D035 Methyl ethyl ketone | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D039 Tetrachloroethylene | 0.7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D040 Trichloroethylene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D043 Vinyl Chloride | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | |
|-----------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------|----------------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | |
|--------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------|----------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | 3.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | 400.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:

Non-RCRA, Non-DOT Regulated Material,

Process Code(s): [Redacted]

Disposal Instructions/Comments: [Redacted]

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity: [Redacted]

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

DocuSigned By: *James R. Atkinson* [Redacted] James R. Atkinson [Redacted] Haz-Waste Specialist [Redacted] 3/1/2024 [Redacted]

961D41A70CBD41E [Redacted]
Authorized Signature Authorized Printed Name Title Date

WASTE PROFILE FORM

Profile #: **NCS-118** Revision #: **5**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first):

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **NCS-118 LEAD ACID BATTERIES**

Process generating Waste (be specific): **DISCARD/BATTERY REPLACEMENT**

Form: **W309 - Batteries, battery parts, cores, casings (lead-acid or other types)**

Source: **G15 - Process equipment change-out or discontinuation of equipment use (final materials and residuals removal including cleaning)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|--|--|---|---|
| Layers: | Physical State | Specific Gravity (water=1, oil<1, sol >1) | Viscosity (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Multi-layered | Solid %: 100 | Est. N/A Actual >1.2 | High (Tar/Honey) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | | |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 0 | Water %: 0 Pumpable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Color: VARIES |
| Odor: | <input checked="" type="checkbox"/> None <input type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: NONE | |
| pH: | <input type="checkbox"/> N/A <input checked="" type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | |
| Liquid Flash Point: | <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input checked="" type="checkbox"/> >200° F <input type="checkbox"/> None | Actual: <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F | |
| BTU/lbs range: | <input type="checkbox"/> <2000 <input type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: N/A |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|-------------------|-------|-----|-----|-----|----------------|-------|-----|-----|-----|
| LEAD | Range | 20 | 30 | % | PLASTIC CASING | Range | 30 | 50 | % |
| LEAD ACID BATTERY | = | 100 | | % | SULFURIC ACID | = | 36 | | % |
| LEAD OXIDE | Range | 10 | 30 | % | WATER | Range | 10 | 30 | % |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **N/A**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|----------------------------------|--------------------------------------|---------------------------------|-------------------------------------|--------------------------------------|--|-----------------------------------|--|---|------------------------------------|--|------------------------------------|--------------------------------------|--|-------------------------------|--|--------------------------------------|--|---|---|------------------------------------|--------------------------------------|-------------------------------------|--|--|--|--|---|---|
| <p>CHECK ALL THAT MAY APPLY:</p> <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Asbestos, Non-friable</td> <td><input type="checkbox"/> Ammonia</td> <td><input type="checkbox"/> Asbestos, Friable</td> </tr> <tr> <td><input type="checkbox"/> Dioxins</td> <td><input type="checkbox"/> APHIS Waste</td> <td><input type="checkbox"/> CERCLA</td> </tr> <tr> <td><input type="checkbox"/> Infectious</td> <td><input type="checkbox"/> Dust Hazard</td> <td><input type="checkbox"/> Flammable Solid</td> </tr> <tr> <td><input type="checkbox"/> Oxidizer</td> <td><input type="checkbox"/> Medical (sharps, needles)</td> <td><input type="checkbox"/> Organic Peroxide</td> </tr> <tr> <td><input type="checkbox"/> phenolics</td> <td><input type="checkbox"/> Pesticide/Herbicide</td> <td><input type="checkbox"/> PFAS/PFOA</td> </tr> <tr> <td><input type="checkbox"/> Radioactive</td> <td><input type="checkbox"/> Profile Subpart P</td> <td><input type="checkbox"/> PUSO</td> </tr> <tr> <td></td> <td><input type="checkbox"/> RCRA Debris</td> <td></td> </tr> </table> | <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable | <input type="checkbox"/> Dioxins | <input type="checkbox"/> APHIS Waste | <input type="checkbox"/> CERCLA | <input type="checkbox"/> Infectious | <input type="checkbox"/> Dust Hazard | <input type="checkbox"/> Flammable Solid | <input type="checkbox"/> Oxidizer | <input type="checkbox"/> Medical (sharps, needles) | <input type="checkbox"/> Organic Peroxide | <input type="checkbox"/> phenolics | <input type="checkbox"/> Pesticide/Herbicide | <input type="checkbox"/> PFAS/PFOA | <input type="checkbox"/> Radioactive | <input type="checkbox"/> Profile Subpart P | <input type="checkbox"/> PUSO | | <input type="checkbox"/> RCRA Debris | | <p>REACTIVITY:</p> <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Cyanide Reactive</td> <td><input type="checkbox"/> Explosive</td> </tr> <tr> <td><input type="checkbox"/> Polymerizes</td> <td><input type="checkbox"/> Pyrophoric</td> </tr> <tr> <td><input type="checkbox"/> Reactive (Other)/Temp Sensitive</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Reactive Metals</td> <td><input type="checkbox"/> Shock Sensitive</td> </tr> <tr> <td><input type="checkbox"/> Sulfide Reactive</td> <td><input type="checkbox"/> Water Reactive</td> </tr> </table> <p>Others </p> | <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive | <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric | <input type="checkbox"/> Reactive (Other)/Temp Sensitive | | <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Shock Sensitive | <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive |
| <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Dioxins | <input type="checkbox"/> APHIS Waste | <input type="checkbox"/> CERCLA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Infectious | <input type="checkbox"/> Dust Hazard | <input type="checkbox"/> Flammable Solid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Oxidizer | <input type="checkbox"/> Medical (sharps, needles) | <input type="checkbox"/> Organic Peroxide | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> phenolics | <input type="checkbox"/> Pesticide/Herbicide | <input type="checkbox"/> PFAS/PFOA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> Profile Subpart P | <input type="checkbox"/> PUSO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <input type="checkbox"/> RCRA Debris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Reactive (Other)/Temp Sensitive | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Shock Sensitive | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): NONE

State Code(s): PA703

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical Generator Knowledge SDS

| METALS: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|--------------------|-------------------|-------------------------------------|--------------------------|-------------------------------------|-----|-------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Antimony (Sb) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Beryllium (Be) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Cobalt (Co) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 5 | TCLP(MG/L) | Copper (Cu) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Nickel (Ni) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Thallium (Tl) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Vanadium (V) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| | | | | | | | Zinc (Zn) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|---------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|---------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D018 Benzene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D029 1,1-Dichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D035 Methyl ethyl ketone | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D039 Tetrachloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D040 Trichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D043 Vinyl Chloride | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|-----------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|----------------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|--------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|----------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:
UN2794, Batteries, wet, filled with acid, (UNIVERSAL WASTE BATTERIES), 8, ERG(154)

Process Code(s):

Disposal Instructions/Comments:

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity:

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

DocuSigned by:
James R. Atkinson James R. Atkinson Haz-waste Specialist 3/1/2024

961D41A70CBD41E

Authorized Signature Authorized Printed Name Title Date

WASTE PROFILE FORM

Profile #: **NCS-119** Revision #: **4**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first):

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **NCS-119 NICAD BATTERIES**

Process generating Waste (be specific): **SPENT BATTERIES**

Form: **W320 - Electrical devices (lamps, fluorescent lamps, or thermostats usually containing mercury; CRTs containing lead; etc.)**

Source: **G11 - Discarding off-specification or out-of-date chemicals or products (unused chemicals or products - corresponds to P and U hazardous waste codes)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|---|---|---|---|
| Layers: | Physical State | Specific Gravity (water=1, oil<1, sol >1) | Viscosity (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Multi-layered | Solid %: 100 | Est. N/A Actual | N/A |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | | |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 0 | Water %: 0 Pumpable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Color: various |
| Odor: <input checked="" type="checkbox"/> None <input type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: | | |
| pH: <input checked="" type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | | |
| Liquid Flash Point: <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input type="checkbox"/> >200° F | <input checked="" type="checkbox"/> None Actual: <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F | | |
| BTU/lbs range: <input type="checkbox"/> <2000 <input type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F Halogens %: N/A | | |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM |
|-----------------------------------|-----|-----|-----|-----|
| Dry Cell Nichel Cadmium Batteries | = | | 100 | % |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **N/A**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|----------------------------------|--------------------------------------|---------------------------------|-------------------------------------|--------------------------------------|--|-----------------------------------|--|---|------------------------------------|--|------------------------------------|--------------------------------------|--|-------------------------------|--|--------------------------------------|--|---|---|------------------------------------|--------------------------------------|-------------------------------------|--|--|--|--|---|---|
| <p>CHECK ALL THAT MAY APPLY:</p> <table border="0"> <tr> <td><input type="checkbox"/> Asbestos, Non-friable</td> <td><input type="checkbox"/> Ammonia</td> <td><input type="checkbox"/> Asbestos, Friable</td> </tr> <tr> <td><input type="checkbox"/> Dioxins</td> <td><input type="checkbox"/> APHIS Waste</td> <td><input type="checkbox"/> CERCLA</td> </tr> <tr> <td><input type="checkbox"/> Infectious</td> <td><input type="checkbox"/> Dust Hazard</td> <td><input type="checkbox"/> Flammable Solid</td> </tr> <tr> <td><input type="checkbox"/> Oxidizer</td> <td><input type="checkbox"/> Medical (sharps, needles)</td> <td><input type="checkbox"/> Organic Peroxide</td> </tr> <tr> <td><input type="checkbox"/> phenolics</td> <td><input type="checkbox"/> Pesticide/Herbicide</td> <td><input type="checkbox"/> PFAS/PFOA</td> </tr> <tr> <td><input type="checkbox"/> Radioactive</td> <td><input type="checkbox"/> Profile Subpart P</td> <td><input type="checkbox"/> PUSO</td> </tr> <tr> <td></td> <td><input type="checkbox"/> RCRA Debris</td> <td></td> </tr> </table> | <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable | <input type="checkbox"/> Dioxins | <input type="checkbox"/> APHIS Waste | <input type="checkbox"/> CERCLA | <input type="checkbox"/> Infectious | <input type="checkbox"/> Dust Hazard | <input type="checkbox"/> Flammable Solid | <input type="checkbox"/> Oxidizer | <input type="checkbox"/> Medical (sharps, needles) | <input type="checkbox"/> Organic Peroxide | <input type="checkbox"/> phenolics | <input type="checkbox"/> Pesticide/Herbicide | <input type="checkbox"/> PFAS/PFOA | <input type="checkbox"/> Radioactive | <input type="checkbox"/> Profile Subpart P | <input type="checkbox"/> PUSO | | <input type="checkbox"/> RCRA Debris | | <p>REACTIVITY:</p> <table border="0"> <tr> <td><input type="checkbox"/> Cyanide Reactive</td> <td><input type="checkbox"/> Explosive</td> </tr> <tr> <td><input type="checkbox"/> Polymerizes</td> <td><input type="checkbox"/> Pyrophoric</td> </tr> <tr> <td><input type="checkbox"/> Reactive (Other)/Temp Sensitive</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Reactive Metals</td> <td><input type="checkbox"/> Shock Sensitive</td> </tr> <tr> <td><input type="checkbox"/> Sulfide Reactive</td> <td><input type="checkbox"/> Water Reactive</td> </tr> </table> <p>Others: </p> | <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive | <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric | <input type="checkbox"/> Reactive (Other)/Temp Sensitive | | <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Shock Sensitive | <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive |
| <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Dioxins | <input type="checkbox"/> APHIS Waste | <input type="checkbox"/> CERCLA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Infectious | <input type="checkbox"/> Dust Hazard | <input type="checkbox"/> Flammable Solid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Oxidizer | <input type="checkbox"/> Medical (sharps, needles) | <input type="checkbox"/> Organic Peroxide | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> phenolics | <input type="checkbox"/> Pesticide/Herbicide | <input type="checkbox"/> PFAS/PFOA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> Profile Subpart P | <input type="checkbox"/> PUSO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <input type="checkbox"/> RCRA Debris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Reactive (Other)/Temp Sensitive | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Shock Sensitive | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): NONE

State Code(s):

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical Generator Knowledge SDS

| METALS: | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM |
|--------------------|-------------------|-------------------------------------|--------------------------|-------------------------------------|-------|------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|-------|------------|
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Antimony (Sb) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Beryllium (Be) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >1 | TCLP(MG/L) | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Cobalt (Co) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Copper (Cu) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Nickel (Ni) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >130 | TCLP(MG/L) |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Thallium (Tl) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Vanadium (V) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| | | | | | | | Zinc (Zn) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| VOLATILES: | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | |
|---------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------|---------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| D018 Benzene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D029 1,1-Dichloroethylene | 0.7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D035 Methyl ethyl ketone | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D039 Tetrachloroethylene | 0.7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D040 Trichloroethylene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D043 Vinyl Chloride | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | |
|-----------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------|----------------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | |
|--------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------|----------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | 3.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | 400.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:

UN3028, Batteries, dry, containing potassium hydroxide solid, (UNIVERSAL WASTE), 8, ERG(154)

Process Code(s): [Redacted]

Disposal Instructions/Comments: [Redacted]

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity: [Redacted]

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

DocuSigned By: *James Atkinson*
961D41A70CBD41E James Atkinson Haz-Waste Specialist 1/18/2024

Authorized Signature Authorized Printed Name Title Date

PROFILE FORM

Profile #: **NCS-120** Revision #: **7**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Karen Trimberger** Email: **katrimbe@ncsu.edu** Phone: **(919) 515-6859** Fax: **(919) 515-6307**

Manifest ER Phone #: **8775772669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQ NAICS code(s)(primary reporting first): **611310**

TSDF Approval List: Yes No Treatment/Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: MATERIAL DESCRIPTION Common Name: **120 - CLEAN UP DEBRIS, NON REGULATED**

Generating Process (be specific): **CONSOLIDATED LABORATORY PROCESS WASTE**

Form: **W002 - Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, other solids (usually from construction, demolition, cleaning, or remediation)**

Source: **G22 - Laboratory analytical wastes (used chemicals from laboratory operations)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF MATERIAL (@70°F)

Layers: Multi-layered Bi-Layered Single Layered

Physical State: Solid %: **100** Sludge %: **0** Free Liquid %: **0**

Specific Gravity (water=1, oil <1, sol >1): Est. **N/A** Actual

Viscosity (Low-water, Med-oil, High-Honey): **N/A**

Water %: **0** Pumpable: Yes No Color: **various**

Odor: None Mild Strong Description:

pH: N/A ≤2.0 >2.01-4.00 4.01 - 10.00 10.01-12.49 ≥12.5 Actual:

Liquid Flash Point: <73° F 73<100° F 100<140° F 140-200° F >200° F None Actual: °C °F

BTU/lbs range: <2000 2000-5000 >5001-10,000 >10,000 Boiling Point: ≤95° F >95° F Halogens %:

D: CHEMICAL COMPOSITION OF MATERIAL

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|--|-------|-----|-----|-----|---|-------|-----|-----|-----|
| Debris - Paper Plastic Cardboard Glass | Range | 95 | 100 | % | Inorganic Salts (Calcium Chloride, ETC) | Range | 1 | 5 | % |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **N/A**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

| | | |
|--|--|--|
| <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable |
| <input type="checkbox"/> Dioxins | <input type="checkbox"/> APHIS Waste | <input type="checkbox"/> CERCLA |
| <input type="checkbox"/> Infectious | <input type="checkbox"/> Dust Hazard | <input type="checkbox"/> Flammable Solid |
| <input type="checkbox"/> Oxidizer | <input type="checkbox"/> Medical (sharps, needles) | <input type="checkbox"/> Organic Peroxide |
| <input type="checkbox"/> phenolics | <input type="checkbox"/> Pesticide/Herbicide | <input type="checkbox"/> PFAS/PFOA |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> Profile Subpart P | <input type="checkbox"/> PUSO |
| | <input type="checkbox"/> RCRA Debris | |

REACTIVITY:

| | |
|--|--|
| <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive |
| <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Reactive (Other)/Temp Sensitive | |
| <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Shock Sensitive |
| <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive |

Others:

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): NONE

State Code(s): PA999

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical Generator Knowledge SDS

| METALS: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|--------------------|-------------------|---|----------|--------------------------|---|----------|
| | | Above Below Not Present | | | Above Below Not Present | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Antimony (Sb) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Beryllium (Be) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Cobalt (Co) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Copper (Cu) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Nickel (Ni) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Thallium (Tl) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Vanadium (V) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| | | | | Zinc (Zn) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |

| VOLATILES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|---------------------------|-------------------|---|----------|---------------------------|---|----------------|
| | | Above Below Not Present | | | Above Below Not Present | |
| D018 Benzene | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D029 1,1-Dichloroethylene | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | 0.7 N/A None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D035 Methyl ethyl ketone | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | 200.0 N/A None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D039 Tetrachloroethylene | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | 0.7 N/A None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D040 Trichloroethylene | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | 0.5 N/A None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D043 Vinyl Chloride | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | 0.2 N/A None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|-----------------------|-------------------|---|----------|----------------------------------|---|---------------|
| | | Above Below Not Present | | | Above Below Not Present | |
| D012 Endrin | 0.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D016 2,4-D | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | 10.0 N/A None |
| D013 Lindane | 0.4 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D017 2,4,5-TP (Silvex) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | 1.0 N/A None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D020 Chlordane | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | 0.0 N/A None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D031 Hepachlor (& it's epoxides) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | 0.0 N/A None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|--------------------------|-------------------|---|----------|----------------------------|---|----------------|
| | | Above Below Not Present | | | Above Below Not Present | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D033 Hexachlorobutadiene | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | 0.5 N/A None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D034 Hexachloroethane | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | 3.0 N/A None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D036 Nitrobenzene | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | 2.0 N/A None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D037 Pentachlorophenol | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | 100.0 N/A None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D038 Pyridine | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | 5.0 N/A None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D041 2,4,5-Trichlorophenol | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | 400.0 N/A None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D042 2,4,6-Trichlorophenol | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | 2.0 N/A None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE BILL OF LADING OR HAZARDOUS WASTE MANIFEST INCLUDING TECHNICAL CONSTITUENTS.

Non-RCRA, Non-DOT Regulated Material,

Process Code(s): [Redacted]

Management Instructions/Comments: [Redacted]

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly
Average Shipment Quantity: [Redacted]

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the material described herein. By signing this profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

Signed by: 
[Redacted Signature] [Redacted] [Redacted] [Redacted]
Authorized Signature Authorized Printed Name Title Date
[Redacted] [Redacted] [Redacted] [Redacted]
DC73B3A587E44D6 Kyle Wilson Haz. Materials Specialist 2/10/2025

PROFILE FORM

Profile #: **NCS-121** Revision #: **6**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Karen Trimberger** Email: **katrimbe@ncsu.edu** Phone: **(919) 515-6859** Fax: **(919) 515-6307**

Manifest ER Phone #: **8775772669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQ NAICS code(s)(primary reporting first): **611310**

TSDF Approval List: Yes No Treatment/Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: MATERIAL DESCRIPTION Common Name: **NCS-121 LITHIUM BATTERIES**

Generating Process (be specific): **SPENT BATTERIES**

Form: **W320 - Electrical devices (lamps, fluorescent lamps, or thermostats usually containing mercury; CRTs containing lead; etc.)**

Source: **G11 - Discarding off-specification or out-of-date chemicals or products (unused chemicals or products - corresponds to P and U hazardous waste codes)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF MATERIAL (@70°F)

Layers: Multi-layered Bi-Layered Single Layered

Physical State: Solid %: **100** Sludge %: **0** Free Liquid %: **0**

Specific Gravity (water=1, oil<1, sol >1): Est. **N/A** Actual

Viscosity (Low-water, Med-oil, High-Honey): **N/A**

Water %: **0** Pumpable: Yes No Color: **various**

Odor: None Mild Strong Description:

pH: N/A ≤2.0 >2.01-4.00 4.01 - 10.00 10.01-12.49 ≥12.5 Actual:

Liquid Flash Point: <73° F 73<100° F 100<140° F 140-200° F >200° F None Actual: °C °F

BTU/lbs range: <2000 2000-5000 >5001-10,000 >10,000 Boiling Point: ≤95° F >95° F Halogens %: **N/A**

D: CHEMICAL COMPOSITION OF MATERIAL

| Constituent | Key | Min | Max | UOM |
|-------------------------|-----|-----|-----|-----|
| Small lithium batteries | = | 100 | | % |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **N/A**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

| | |
|--|--|
| <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable |
| <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> CERCLA |
| <input type="checkbox"/> Dioxins | <input type="checkbox"/> Flammable Solid |
| <input type="checkbox"/> Infectious | <input type="checkbox"/> Organic Peroxide |
| <input type="checkbox"/> Oxidizer | <input type="checkbox"/> PFAS/PFOA |
| <input type="checkbox"/> phenolics | <input type="checkbox"/> PUSO |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> RCRA Debris |

REACTIVITY:

| | |
|--|--|
| <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive |
| <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Reactive (Other)/Temp Sensitive | <input type="checkbox"/> Shock Sensitive |
| <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Water Reactive |
| <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Others |

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): NONE

State Code(s):

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical

Generator Knowledge

SDS

| METALS: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|--------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Antimony (Sb) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Beryllium (Be) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Cobalt (Co) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Copper (Cu) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Nickel (Ni) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Thallium (Tl) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Vanadium (V) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| | | | | | | | Zinc (Zn) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|---------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|---------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D018 Benzene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D029 1,1-Dichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D035 Methyl ethyl ketone | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D039 Tetrachloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D040 Trichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D043 Vinyl Chloride | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|-----------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|----------------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|--------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|----------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE BILL OF LADING OR HAZARDOUS WASTE MANIFEST INCLUDING TECHNICAL CONSTITUENTS.

UN3480, Lithium ion batteries , (UNIVERSAL WASTE), 9, ERG(147)

Process Code(s): [Redacted]

Management Instructions/Comments: [Redacted]

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly
Average Shipment Quantity: [Redacted]

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the material described herein. By signing this profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

Signed by: 
[Redacted Signature] [Redacted Signature] [Redacted Signature] [Redacted Signature]
Authorized Signature Authorized Printed Name Title Date
[Redacted Signature] [Redacted Signature] [Redacted Signature] [Redacted Signature]
Authorized Signature Authorized Printed Name Title Date
[Redacted Signature] [Redacted Signature] [Redacted Signature] [Redacted Signature]

WASTE PROFILE FORM

 Profile #: **NCS-124** Revision #: **6**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first):

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **124 - LOOSE PACKED FLAMMABLE LIQUIDS**

Process generating Waste (be specific): **CONSOLIDATION OF LAB VIALS AND AMPULES**

Form: **W204 - Concentrated halogenated/ non-halogenated solvent mixture**

Source: **G22 - Laboratory analytical wastes (used chemicals from laboratory operations)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

Layers: Multi-layered Bi-Layered Single Layered

Physical State: Solid %: **0** Sludge %: **0** Free Liquid %: **0**

Debris Monolith Powder Compressed Gas

Specific Gravity (water=1, oil<1, sol >1): Est. **≥0.8, <1** Actual:

Viscosity (Low-water, Med-oil, High-Honey): **Low (Water)**

Water %: **0** Pumpable: Yes No Color: **var**

Odor: None Mild Strong Description: **solvent**

pH: N/A ≤2.0 >2.01-4.00 4.01 - 10.00 10.01-12.49 ≥12.5 Actual:

Liquid Flash Point: <73° F 73<100° F 100<140° F 140-200° F >200° F None Actual: °C °F

BTU/lbs range: <2000 2000-5000 >5001-10,000 >10,000 Boiling Point: ≤95° F >95° F Halogens %: **<3%**

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|---------------------------|-------|-----|-----|-----|---------------------|-------|-----|-----|-----|
| benzene | Range | 0 | 0.1 | % | ethylene oxide | Range | 0 | 2 | % |
| methylene chloride | Range | 0 | 1 | % | n-butyl alcohol | Range | 0 | 2 | % |
| 1,2 dichloroethane | Range | 0 | 2 | % | 1,4 dioxane | Range | 0 | 2 | % |
| acrylic acid | Range | 0 | 2 | % | isopropanol | Range | 0 | 10 | % |
| formaldehyde | Range | 0 | 3 | % | methyl ethyl ketone | Range | 0 | 10 | % |
| glass vials Plastic vials | Range | 25 | 75 | % | chlorobenzene | Range | 0 | 2 | % |
| isobutyl alcohol | Range | 0 | 2 | % | ethylene dioxide | Range | 0 | 2 | % |
| methanol | Range | 0 | 10 | % | chloroform | Range | 0 | 1 | % |
| methyl isobutyl ketone | Range | 0 | 2 | % | cumene | Range | 0 | 2 | % |
| silver | Range | 1 | 5 | % | furfural | Range | 0 | 3 | % |
| trichloroethylene | Range | 0 | 1 | % | pyridine | Range | 0 | 5 | % |
| xylene | Range | 0 | 10 | % | tetrachloroethylene | Range | 0 | 1 | % |
| acetone | Range | 0 | 10 | % | vermiculite | Range | 0 | 25 | % |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **VOCs >= 500 ppm** TOC **>10%**
 PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

- Ammonia
- Asbestos, Friable
- Asbestos, Non-friable
- APHIS Waste
- CERCLA
- Dioxins
- Dust Hazard
- Flammable Solid
- Infectious
- Medical (sharps, needles)
- Organic Peroxide
- Oxidizer
- Pesticide/Herbicide
- PFAS/PFOA
- phenolics
- Profile Subpart P
- PUSO
- Radioactive
- RCRA Debris

REACTIVITY:

- Cyanide Reactive
- Explosive
- Polymerizes
- Pyrophoric
- Reactive (Other)/Temp Sensitive
- Reactive Metals
- Shock Sensitive
- Sulfide Reactive
- Water Reactive

Others

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): **D001,D011,D018,D021,D022,D028,D035,D038,D039,D040,F002,F003,F005,U002,U008,U019,U031,U037**

State Code(s):

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical

Generator Knowledge

SDS

| METALS: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | |
|--------------------|-------------------|-------------------------------------|--------------------------|-------------------------------------|-----|------------|--------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Antimony (Sb) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Beryllium (Be) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Cobalt (Co) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Copper (Cu) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Nickel (Ni) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Thallium (Tl) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D011 Silver (Ag) | 5.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >5 | TCLP(MG/L) | Vanadium (V) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| | | | | | | | Zinc (Zn) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | |
|---------------------------|-------------------|-------------------------------------|--------------------------|-------------------------------------|------|------------|---------------------------|-------------------------------------|--------------------------|-------------------------------------|------|------------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | |
| D018 Benzene | 0.5 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >0.5 | TCLP(MG/L) | D029 1,1-Dichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D035 Methyl ethyl ketone | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >200 | TCLP(MG/L) |
| D021 Chlorobenzene | 100.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >100 | TCLP(MG/L) | D039 Tetrachloroethylene | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >0.7 | TCLP(MG/L) |
| D022 Chloroform | 6.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >6 | TCLP(MG/L) | D040 Trichloroethylene | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >0.5 | TCLP(MG/L) |
| D028 1,2-Dichloroethane | 0.5 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >0.5 | TCLP(MG/L) | D043 Vinyl Chloride | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | |
|-----------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|------|----------------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | |
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | | |
|--------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|----------------------------|-------|-------------------------------------|--------------------------|-------------------------------------|-----|------------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | 3.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | 5.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >5 | TCLP(MG/L) |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | 400.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:
 UN1993, Waste Flammable liquids, n.o.s., (ACETONE, XYLENE), 3, I, RQ(D001=100#), ERG(128)

Process Code(s):

Disposal Instructions/Comments:

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity:

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

I am the generator.
 I am an authorized representative of the generator.

Signed by: *James R. Atkinson* James R. Atkinson Haz-waste specialist 3/1/2024
961D41A70CBD41F

Authorized Signature Authorized Printed Name Title Date

PROFILE FORM

Profile #: **NCS-126A** Revision #: **3**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Karen Trimberger** Email: **katrimbe@ncsu.edu** Phone: **(919) 515-6859** Fax: **(919) 515-6307**

Manifest ER Phone #: **8775772669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first): **611310**

TSDF Approval List: Yes No Treatment/Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: MATERIAL DESCRIPTION Common Name: **NCS-126A PCB BALLASTS - NON TSCA**

Generating Process (be specific): **REMOVING OUTDATED PCB BALLASTS AND ELECTRONICS REFURBISHING**

W307 - Metal scale, filings and scrap (including metal drums)

Form: **G19 - Other one-time or intermittent processes (specify in comments)**

Source: **1 - Generated on-site from a product process or service activity**

Origin:

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF MATERIAL (@70°F)

| | | | |
|--|--|---|--|
| Layers: | Physical State | Specific Gravity | Viscosity |
| <input type="checkbox"/> Multi-layered | Solid %: 0 | oil <1, sol >1) | (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | | High (Tar/Honey) |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 0 | Est. N/A | Actual |
| | Water %: 0 | Pumpable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Color: VARIES |
| Odor: <input checked="" type="checkbox"/> None <input type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: | | |
| pH: <input checked="" type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | | |
| Liquid Flash Point: <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input checked="" type="checkbox"/> >200° F <input type="checkbox"/> None | Actual: | | <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F |
| BTU/lbs range: <input type="checkbox"/> <2000 <input type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: N/A | |

D: CHEMICAL COMPOSITION OF MATERIAL

| Constituent | Key | Min | Max | UOM |
|-------------------------|-----|-----|-----|-----|
| TSCA EXEMPT PCB BALLAST | = | 100 | | % |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **N/A**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

- Ammonia
- Asbestos, Friable
- Asbestos, Non-friable
- APHIS Waste
- CERCLA
- Dioxins
- Dust Hazard
- Flammable Solid
- Infectious
- Medical (sharps,needles)
- Organic Peroxide
- Oxidizer
- Pesticide/Herbicide
- PFAS/PFOA
- phenolics
- Profile Subpart P
- PUSO
- Radioactive
- RCRA Debris

REACTIVITY:

- Cyanide Reactive
 - Explosive
 - Polymerizes
 - Pyrophoric
 - Reactive (Other)/Temp Sensitive
 - Reactive Metals
 - Shock Sensitive
 - Sulfide Reactive
 - Water Reactive
- Others

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No EPA Exemption ref

EPA Waste Code(s): NONE

State Code(s): PA410

State Regulated Waste: Yes No Generator State Universal Waste: Yes No WA Designation: N/A

LANDFILL INFORMATION Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical Generator Knowledge SDS

| METALS: | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | | | |
|--------------------|-------|-----|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------|--------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| D004 Arsenic (As) | 5.0 | | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Antimony (Sb) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Beryllium (Be) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Hexavalent Chrome (Cr+6) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Cobalt (Co) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Copper (Cu) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D009 Mercury (Hg) | 0.2 | | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Nickel (Ni) | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D010 Selenium (Se) | 1.0 | | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Thallium (Tl) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D011 Silver (Ag) | 5.0 | | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Vanadium (V) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| | | | | | | | | | Zinc (Zn) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| VOLATILES: | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | | | |
|---------------------------|-------|-----|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------|---------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| D018 Benzene | 0.5 | | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D029 1,1-Dichloroethylene | 0.7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D035 Methyl ethyl ketone | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D021 Chlorobenzene | 100.0 | | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D039 Tetrachloroethylene | 0.7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D022 Chloroform | 6.0 | | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D040 Trichloroethylene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D028 1,2-Dichloroethane | 0.5 | | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D043 Vinyl Chloride | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| PESTICIDE/HERBICIDES: | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | | | |
|-----------------------|-------|-----|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------|----------------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| D012 Endrin | 0.0 | | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

SEMI-VOLATILES:

Range UOM

Range UOM

| | TCLP Limit | | | Range | UOM | TCLP Limit | | | Range | UOM | | | |
|--------------------------|------------|--------------------------|--------------------------|-------------------------------------|-----|-------------|----------------------------|-------|--------------------------|--------------------------|-------------------------------------|-------------|------|
| | (mg/l) | Above | Below | | | Not Present | (mg/l) | Above | | | Below | Not Present | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | 3.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | 400.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE BILL OF LADING OR HAZARDOUS WASTE MANIFEST INCLUDING TECHNICAL CONSTITUENTS.

UN3432, Polychlorinated biphenyls, solid, (TSCA EXEMPT PCB BALLAST), 9, III, ERG(171)

Process Code(s):

Management Instructions/Comments: ****BALLASTS MUST BE <9 POUNDS PER BALLAST, NON-LEAKING**

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity:

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the material described herein. By signing this profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

Authorized Signature: _____ Authorized Printed Name: _____ Title: _____ Date: _____

WASTE PROFILE FORM

Profile #: **NCS-128** Revision #: **6**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first):

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **NCS-128 EMPTY DRUMS**

Process generating Waste (be specific): **EMPTY DRUMS**

Form: **W307 - Metal scale, filings and scrap (including metal drums)**

Source: **G19 - Other one-time or intermittent processes (specify in comments)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|--|---|---|--|
| Layers: | Physical State | Specific Gravity <small>(water=1, oil<1, sol >1)</small> | Viscosity <small>(Low-water, Med-oil, High-Honey)</small> |
| <input type="checkbox"/> Multi-layered | Solid %: 100 | Est. N/A Actual >1.2 | High (Tar/Honey) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | | |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 0 | Water %: 0 Pumpable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Color: VARIOUS |
| Odor: | <input checked="" type="checkbox"/> None <input type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: NONE | |
| pH: | <input type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input checked="" type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | |
| Liquid Flash Point: | <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input type="checkbox"/> >200° F | <input checked="" type="checkbox"/> None | Actual: <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F |
| BTU/lbs range: | <input type="checkbox"/> <2000 <input type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: N/A |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM |
|------------------|-----|-----|-----|-----|
| RCRA EMPTY DRUMS | = | | 100 | % |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **N/A**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

| | |
|--|---|
| <p>CHECK ALL THAT MAY APPLY:</p> <p><input type="checkbox"/> Asbestos, Non-friable <input type="checkbox"/> APHIS Waste <input type="checkbox"/> Asbestos, Friable <input type="checkbox"/> CERCLA</p> <p><input type="checkbox"/> Dioxins <input type="checkbox"/> Dust Hazard <input type="checkbox"/> Flammable Solid</p> <p><input type="checkbox"/> Infectious <input type="checkbox"/> Medical (sharps, needles) <input type="checkbox"/> Organic Peroxide</p> <p><input type="checkbox"/> Oxidizer <input type="checkbox"/> Pesticide/Herbicide <input type="checkbox"/> PFAS/PFOA</p> <p><input type="checkbox"/> phenolics <input type="checkbox"/> Profile Subpart P <input type="checkbox"/> PUSO</p> <p><input type="checkbox"/> Radioactive <input type="checkbox"/> RCRA Debris</p> | <p>REACTIVITY:</p> <p><input type="checkbox"/> Cyanide Reactive <input type="checkbox"/> Explosive</p> <p><input type="checkbox"/> Polymerizes <input type="checkbox"/> Pyrophoric</p> <p><input type="checkbox"/> Reactive (Other)/Temp Sensitive</p> <p><input type="checkbox"/> Reactive Metals <input type="checkbox"/> Shock Sensitive</p> <p><input type="checkbox"/> Sulfide Reactive <input type="checkbox"/> Water Reactive</p> <p>Others </p> |
|--|---|

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): NONE

State Code(s): PA499

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)?

yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical

Generator Knowledge

SDS

| METALS: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|--------------------|-------------------|---|----------|--------------------------|---|----------|
| | | Above Below Not Present | | | Above Below Not Present | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Antimony (Sb) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Beryllium (Be) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Cobalt (Co) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Copper (Cu) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Nickel (Ni) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Thallium (Tl) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Vanadium (V) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| | | | | Zinc (Zn) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |

| VOLATILES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|---------------------------|-------------------|---|----------|---------------------------|-------------------------------|--|
| | | Above Below Not Present | | | Above Below Not Present | |
| D018 Benzene | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D029 1,1-Dichloroethylene | 0.7 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D035 Methyl ethyl ketone | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D039 Tetrachloroethylene | 0.7 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D040 Trichloroethylene | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D043 Vinyl Chloride | 0.2 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|-----------------------|-------------------|---|----------|----------------------------------|-------------------------------|--|
| | | Above Below Not Present | | | Above Below Not Present | |
| D012 Endrin | 0.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D016 2,4-D | 10.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D013 Lindane | 0.4 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D017 2,4,5-TP (Silvex) | 1.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D020 Chlordane | 0.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D031 Hepachlor (& it's epoxides) | 0.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|--------------------------|-------------------|---|----------|----------------------------|-------------------------------|--|
| | | Above Below Not Present | | | Above Below Not Present | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D033 Hexachlorobutadiene | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D034 Hexachloroethane | 3.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D036 Nitrobenzene | 2.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D037 Pentachlorophenol | 100.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D038 Pyridine | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D041 2,4,5-Trichlorophenol | 400.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D042 2,4,6-Trichlorophenol | 2.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:

Non-RCRA, Non-DOT Regulated Material, (RCRA EMPTY CONTAINERS),

Process Code(s): [Redacted]

Disposal Instructions/Comments: [Redacted]

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity: [Redacted]

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

DocuSigned By: *James R. Atkinson* [Redacted] James R. Atkinson [Redacted] Haz-Waste Specialist [Redacted] 3/1/2024 [Redacted]

961D41A70CBD41E [Redacted]
Authorized Signature Authorized Printed Name Title Date

WASTE PROFILE FORM

Profile #: **NCS-130A** Revision #: **6**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first):

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **130A- HEAVY METAL CONTAMINATED LIQUIDS, HIGH WATER**

Process generating Waste (be specific): **CONSOLIDATE LABORATORY WASTE**

Form: **W101 - Very dilute aqueous waste containing more than 99% water (land disposal restriction defined wastewater that is not exempt under NPDES or POTW discharge)**

Source: **G22 - Laboratory analytical wastes (used chemicals from laboratory operations)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|--|---|--|--|
| Layers: | Physical State | Specific Gravity (water=1, oil<1, sol >1) | Viscosity (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Multi-layered | Solid %: 0 | Est. N/A Actual 0.8-1.0 | Low (Water) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | | |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 100 | Water %: 99 Pumpable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Color: clear |
| Odor: | <input checked="" type="checkbox"/> None <input type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: | |
| pH: | <input type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input checked="" type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | |
| Liquid Flash Point: | <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input type="checkbox"/> >200° F | <input checked="" type="checkbox"/> None | Actual: <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F |
| BTU/lbs range: | <input type="checkbox"/> <2000 <input checked="" type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: <3% |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|---------------------------|-------|-----|-----|-----|----------------------------------|-------|-----|-----|-----|
| Metal salts containing | Range | 10 | 15 | % | water and inorganic salts | Range | 85 | 90 | % |
| arsenic, barium, cadmium, | Range | 1 | 2 | % | chromium, lead, silver, selenium | Range | 1 | 2 | % |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **<1%**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|----------------------------------|--------------------------------------|---------------------------------|-------------------------------------|--------------------------------------|--|-----------------------------------|--|---|------------------------------------|--|------------------------------------|--------------------------------------|--|-------------------------------|--|--------------------------------------|--|---|---|------------------------------------|--------------------------------------|-------------------------------------|--|--|--|--|---|---|
| <p>CHECK ALL THAT MAY APPLY:</p> <table border="0"> <tr> <td><input type="checkbox"/> Asbestos, Non-friable</td> <td><input type="checkbox"/> Ammonia</td> <td><input type="checkbox"/> Asbestos, Friable</td> </tr> <tr> <td><input type="checkbox"/> Dioxins</td> <td><input type="checkbox"/> APHIS Waste</td> <td><input type="checkbox"/> CERCLA</td> </tr> <tr> <td><input type="checkbox"/> Infectious</td> <td><input type="checkbox"/> Dust Hazard</td> <td><input type="checkbox"/> Flammable Solid</td> </tr> <tr> <td><input type="checkbox"/> Oxidizer</td> <td><input type="checkbox"/> Medical (sharps, needles)</td> <td><input type="checkbox"/> Organic Peroxide</td> </tr> <tr> <td><input type="checkbox"/> phenolics</td> <td><input type="checkbox"/> Pesticide/Herbicide</td> <td><input type="checkbox"/> PFAS/PFOA</td> </tr> <tr> <td><input type="checkbox"/> Radioactive</td> <td><input type="checkbox"/> Profile Subpart P</td> <td><input type="checkbox"/> PUSO</td> </tr> <tr> <td></td> <td><input type="checkbox"/> RCRA Debris</td> <td></td> </tr> </table> | <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable | <input type="checkbox"/> Dioxins | <input type="checkbox"/> APHIS Waste | <input type="checkbox"/> CERCLA | <input type="checkbox"/> Infectious | <input type="checkbox"/> Dust Hazard | <input type="checkbox"/> Flammable Solid | <input type="checkbox"/> Oxidizer | <input type="checkbox"/> Medical (sharps, needles) | <input type="checkbox"/> Organic Peroxide | <input type="checkbox"/> phenolics | <input type="checkbox"/> Pesticide/Herbicide | <input type="checkbox"/> PFAS/PFOA | <input type="checkbox"/> Radioactive | <input type="checkbox"/> Profile Subpart P | <input type="checkbox"/> PUSO | | <input type="checkbox"/> RCRA Debris | | <p>REACTIVITY:</p> <table border="0"> <tr> <td><input type="checkbox"/> Cyanide Reactive</td> <td><input type="checkbox"/> Explosive</td> </tr> <tr> <td><input type="checkbox"/> Polymerizes</td> <td><input type="checkbox"/> Pyrophoric</td> </tr> <tr> <td><input type="checkbox"/> Reactive (Other)/Temp Sensitive</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Reactive Metals</td> <td><input type="checkbox"/> Shock Sensitive</td> </tr> <tr> <td><input type="checkbox"/> Sulfide Reactive</td> <td><input type="checkbox"/> Water Reactive</td> </tr> </table> <p>Others: </p> | <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive | <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric | <input type="checkbox"/> Reactive (Other)/Temp Sensitive | | <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Shock Sensitive | <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive |
| <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Dioxins | <input type="checkbox"/> APHIS Waste | <input type="checkbox"/> CERCLA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Infectious | <input type="checkbox"/> Dust Hazard | <input type="checkbox"/> Flammable Solid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Oxidizer | <input type="checkbox"/> Medical (sharps, needles) | <input type="checkbox"/> Organic Peroxide | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> phenolics | <input type="checkbox"/> Pesticide/Herbicide | <input type="checkbox"/> PFAS/PFOA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> Profile Subpart P | <input type="checkbox"/> PUSO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <input type="checkbox"/> RCRA Debris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Reactive (Other)/Temp Sensitive | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Shock Sensitive | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): D004,D005,D006,D007,D008,D010,D011

State Code(s):

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical Generator Knowledge SDS

| METALS: | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM |
|--------------------|-------------------|--------------------------|-------------------------------------|-------------------------------------|-------|------------|--------------------------|--------------------------|--------------------------|-------------------------------------|-------|------------|
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <5 | TCLP(MG/L) | Antimony (Sb) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <100 | TCLP(MG/L) | Beryllium (Be) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <1 | TCLP(MG/L) | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0 | TCLP(MG/L) |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <5 | TCLP(MG/L) | Cobalt (Co) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0 | TCLP(MG/L) |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <5 | TCLP(MG/L) | Copper (Cu) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0 | TCLP(MG/L) |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <260 | Total ppm | Nickel (Ni) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0 | TCLP(MG/L) |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <1 | TCLP(MG/L) | Thallium (Tl) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0 | TCLP(MG/L) |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <5 | TCLP(MG/L) | Vanadium (V) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0 | TCLP(MG/L) |
| | | | | | | | Zinc (Zn) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0 | TCLP(MG/L) |

| VOLATILES: | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | |
|---------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------|---------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| D018 Benzene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D029 1,1-Dichloroethylene | 0.7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D035 Methyl ethyl ketone | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D039 Tetrachloroethylene | 0.7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D040 Trichloroethylene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D043 Vinyl Chloride | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | |
|-----------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------|----------------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | |
|--------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------|----------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | 3.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | 400.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:

NA3082, Hazardous waste, liquid, n.o.s., (LEAD IODIDE, SILVER CHLORIDE), 9, III, RQ(D008=10#), ERG(171)

Process Code(s): [Redacted]

Disposal Instructions/Comments: [Redacted]

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity: [Redacted]

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

James R Atkinson [Redacted] James R Atkinson [Redacted] Haz-waste Specialist [Redacted] 2/19/2024 [Redacted]

Authorized Signature Authorized Printed Name Title Date

WASTE PROFILE FORM

Profile #: **NCS-131** Revision #: **6**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first):

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **NCS-131 ALKALINE LIQUIDS**

Process generating Waste (be specific): **CONSOLIDATED WASTE**

Form: **W110 - Caustic aqueous waste without cyanides (pH greater than 12.5)**

Source: **G22 - Laboratory analytical wastes (used chemicals from laboratory operations)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|--|---|---|---|
| Layers: | Physical State | Specific Gravity (water=1, oil<1, sol >1) | Viscosity (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Multi-layered | Solid %: 0 | Est. N/A Actual 0.8-1.0 | Low (Water) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | | |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 100 | Water %: 0 Pumpable: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Color: var |
| Odor: | <input checked="" type="checkbox"/> None <input type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: | |
| pH: | <input type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input checked="" type="checkbox"/> ≥12.5 | Actual: | |
| Liquid Flash Point: | <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input type="checkbox"/> >200° F | <input checked="" type="checkbox"/> None Actual: <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F | |
| BTU/lbs range: | <input type="checkbox"/> <2000 <input type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: N/A |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|-----------------------------|-------|-----|-----|-----|---------------------------|-------|-----|-----|-----|
| water | Range | 1 | 40 | % | Dirt, Grease, Solids | Range | 0 | 10 | % |
| Sodium/Potassium Carbonates | Range | 1 | 20 | % | sodium/potassium sulfates | Range | 1 | 10 | % |
| sodium/potassium hydroxides | Range | 20 | 40 | % | | | | | |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **N/A**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|----------------------------------|--------------------------------------|---------------------------------|-------------------------------------|--------------------------------------|--|-----------------------------------|--|---|------------------------------------|--|------------------------------------|--------------------------------------|--|-------------------------------|--|--------------------------------------|--|---|---|------------------------------------|--------------------------------------|-------------------------------------|--|--|--|--|---|---|
| <p>CHECK ALL THAT MAY APPLY:</p> <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Asbestos, Non-friable</td> <td><input type="checkbox"/> Ammonia</td> <td><input type="checkbox"/> Asbestos, Friable</td> </tr> <tr> <td><input type="checkbox"/> Dioxins</td> <td><input type="checkbox"/> APHIS Waste</td> <td><input type="checkbox"/> CERCLA</td> </tr> <tr> <td><input type="checkbox"/> Infectious</td> <td><input type="checkbox"/> Dust Hazard</td> <td><input type="checkbox"/> Flammable Solid</td> </tr> <tr> <td><input type="checkbox"/> Oxidizer</td> <td><input type="checkbox"/> Medical (sharps, needles)</td> <td><input type="checkbox"/> Organic Peroxide</td> </tr> <tr> <td><input type="checkbox"/> phenolics</td> <td><input type="checkbox"/> Pesticide/Herbicide</td> <td><input type="checkbox"/> PFAS/PFOA</td> </tr> <tr> <td><input type="checkbox"/> Radioactive</td> <td><input type="checkbox"/> Profile Subpart P</td> <td><input type="checkbox"/> PUSO</td> </tr> <tr> <td></td> <td><input type="checkbox"/> RCRA Debris</td> <td></td> </tr> </table> | <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable | <input type="checkbox"/> Dioxins | <input type="checkbox"/> APHIS Waste | <input type="checkbox"/> CERCLA | <input type="checkbox"/> Infectious | <input type="checkbox"/> Dust Hazard | <input type="checkbox"/> Flammable Solid | <input type="checkbox"/> Oxidizer | <input type="checkbox"/> Medical (sharps, needles) | <input type="checkbox"/> Organic Peroxide | <input type="checkbox"/> phenolics | <input type="checkbox"/> Pesticide/Herbicide | <input type="checkbox"/> PFAS/PFOA | <input type="checkbox"/> Radioactive | <input type="checkbox"/> Profile Subpart P | <input type="checkbox"/> PUSO | | <input type="checkbox"/> RCRA Debris | | <p>REACTIVITY:</p> <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Cyanide Reactive</td> <td><input type="checkbox"/> Explosive</td> </tr> <tr> <td><input type="checkbox"/> Polymerizes</td> <td><input type="checkbox"/> Pyrophoric</td> </tr> <tr> <td><input type="checkbox"/> Reactive (Other)/Temp Sensitive</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Reactive Metals</td> <td><input type="checkbox"/> Shock Sensitive</td> </tr> <tr> <td><input type="checkbox"/> Sulfide Reactive</td> <td><input type="checkbox"/> Water Reactive</td> </tr> </table> <p>Others </p> | <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive | <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric | <input type="checkbox"/> Reactive (Other)/Temp Sensitive | | <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Shock Sensitive | <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive |
| <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Dioxins | <input type="checkbox"/> APHIS Waste | <input type="checkbox"/> CERCLA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Infectious | <input type="checkbox"/> Dust Hazard | <input type="checkbox"/> Flammable Solid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Oxidizer | <input type="checkbox"/> Medical (sharps, needles) | <input type="checkbox"/> Organic Peroxide | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> phenolics | <input type="checkbox"/> Pesticide/Herbicide | <input type="checkbox"/> PFAS/PFOA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> Profile Subpart P | <input type="checkbox"/> PUSO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <input type="checkbox"/> RCRA Debris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Reactive (Other)/Temp Sensitive | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Shock Sensitive | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): **D002**

State Code(s):

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical

Generator Knowledge

SDS

| METALS: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | |
|--------------------|-------------------|--------------------------|--------------------------|-------------------------------------|------|-----------|--------------------------|--------------------------|--------------------------|-------------------------------------|-----|-----------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <5 | Total ppm | Antimony (Sb) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <100 | Total ppm | Beryllium (Be) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <1 | Total ppm | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <5 | Total ppm | Cobalt (Co) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <5 | Total ppm | Copper (Cu) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0 | Total ppm |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <260 | Total ppm | Nickel (Ni) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0 | Total ppm |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <1 | Total ppm | Thallium (Tl) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0 | Total ppm |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <5 | Total ppm | Vanadium (V) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| | | | | | | | Zinc (Zn) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0 | Total ppm |

| VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | |
|---------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|------|---------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | |
| D018 Benzene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D029 1,1-Dichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D035 Methyl ethyl ketone | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D039 Tetrachloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D040 Trichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D043 Vinyl Chloride | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | |
|-----------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|------|----------------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | |
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | |
|--------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|------|----------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:
UN3266, Waste Corrosive liquid, basic, inorganic, n.o.s., (SODIUM HYDROXIDE, POTASSIUM HYDROXIDE), 8, II, RQ(D002=100#), ERG(154)

Process Code(s):

Disposal Instructions/Comments:

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly
Average Shipment Quantity:

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

DocuSigned by:
James R. Atkinson
961D41A70CBD41E

| | | |
|----------------------|-------------------------|----------|
| James R. Atkinson | Haz-waste Specialist | 3/1/2024 |
| Authorized Signature | Authorized Printed Name | Title |

WASTE PROFILE FORM

Profile #: **NCS-133** Revision #: **6**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first):

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **133 - AEROSOLS**

Process generating Waste (be specific): **SPENT AEROSOLS**

Form: **W209 - Paint, ink, lacquer, or varnish (fluid - not dried out or sludge)**

Source: **G11 - Discarding off-specification or out-of-date chemicals or products (unused chemicals or products - corresponds to P and U hazardous waste codes)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|--|--|---|---|
| Layers: | Physical State | Specific Gravity (water=1, oil<1, sol >1) | Viscosity (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Multi-layered | Solid %: 0 | Est. N/A Actual <0.8 | High (Tar/Honey) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | | |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 0 | Water %: 0 Pumpable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Color: var |
| Odor: | <input checked="" type="checkbox"/> None <input type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: | |
| pH: | <input checked="" type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | |
| Liquid Flash Point: | <input type="checkbox"/> <73° F <input checked="" type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input type="checkbox"/> >200° F <input type="checkbox"/> None | Actual: <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F | |
| BTU/lbs range: | <input type="checkbox"/> <2000 <input checked="" type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: <3% |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|---------------------|-------|-----|-----|-----|-------------------------------|-------|-----|-----|-----|
| chromium | Range | 0 | 0.1 | % | dichlorodifluoromethane | Range | 0 | 2 | % |
| acetone | Range | 0 | 2 | % | methyl chloroform | Range | 0 | 2 | % |
| xylene | Range | 0 | 2 | % | aerosol cans containing paint | Range | 90 | 100 | % |
| chlorofluorocarbons | Range | 0 | 2 | % | | | | | |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **<1%**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

- | | | |
|--|---|--|
| <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable |
| <input type="checkbox"/> Dioxins | <input type="checkbox"/> APHIS Waste | <input type="checkbox"/> CERCLA |
| <input type="checkbox"/> Infectious | <input type="checkbox"/> Dust Hazard | <input type="checkbox"/> Flammable Solid |
| <input type="checkbox"/> Oxidizer | <input type="checkbox"/> Medical (sharps,needles) | <input type="checkbox"/> Organic Peroxide |
| <input type="checkbox"/> phenolics | <input type="checkbox"/> Pesticide/Herbicide | <input type="checkbox"/> PFAS/PFOA |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> Profile Subpart P | <input type="checkbox"/> PUSO |
| | <input type="checkbox"/> RCRA Debris | |

REACTIVITY:

- | | |
|--|--|
| <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive |
| <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Reactive (Other)/Temp Sensitive | |
| <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Shock Sensitive |
| <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive |
| Others | |

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s):

State Code(s):

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical Generator Knowledge SDS

| METALS: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|--------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Antimony (Sb) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Beryllium (Be) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Cobalt (Co) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Copper (Cu) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Nickel (Ni) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Thallium (Tl) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Vanadium (V) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| | | | | | | | Zinc (Zn) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|---------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|---------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D018 Benzene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D029 1,1-Dichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D035 Methyl ethyl ketone | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D039 Tetrachloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D040 Trichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D043 Vinyl Chloride | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|-----------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|----------------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|-----------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| | | | | | | | | | | | | | |
|--------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|----------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | 400.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:

UN1950, Waste Aerosols, 2.1, RQ(D001=100#), ERG(126)

Process Code(s):


Disposal Instructions/Comments:

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity:

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

DocuSigned by:

 961D41A70CBD41E
 James R. Atkinson
 Haz-Waste Specialist
 3/1/2024

Authorized Signature

Authorized Printed Name

Title

Date

WASTE PROFILE FORM

 Profile #: **NCS-134** Revision #: **5**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first):

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **NCS-134 LOOSEPACK FLAMMABLE PAINT**

Process generating Waste (be specific): **DISCARDED PRODUCT**

Form: **W209 - Paint, ink, lacquer, or varnish (fluid - not dried out or sludge)**

Source: **G11 - Discarding off-specification or out-of-date chemicals or products (unused chemicals or products - corresponds to P and U hazardous waste codes)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|--|--|---|---|
| Layers: | Physical State | Specific Gravity (water=1, oil<1, sol >1) | Viscosity (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Multi-layered | Solid %: 0 | Est. ≥1, <1.2 | Actual Medium (Oil) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | <input type="checkbox"/> Debris <input type="checkbox"/> Monolith <input type="checkbox"/> Powder | <input type="checkbox"/> Compressed Gas |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 0 | Water %: 0 | Pumpable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Color: various |
| Odor: <input type="checkbox"/> None <input checked="" type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: paint | | |
| pH: <input type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input checked="" type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | | |
| Liquid Flash Point: <input type="checkbox"/> <73° F <input checked="" type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input type="checkbox"/> >200° F <input type="checkbox"/> None | Actual: | | <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F |
| BTU/lbs range: <input type="checkbox"/> <2000 <input type="checkbox"/> 2000-5000 <input checked="" type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: N/A | |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|---------------------------------|-------|-----|-----|-----|-------------------------|-------|-----|-----|-----|
| BARIUM | Range | 0 | 1 | % | TRICHLOROETHYLENE | Range | 0 | 1 | % |
| BENZENE | Range | 0 | 1 | % | XYLENE | Range | 0 | 1 | % |
| CHROMIUM | Range | 0 | 1 | % | TOLUENE | Range | 0 | 1 | % |
| ENAMEL/OIL BASED PAINTS/VARNISH | Range | 95 | 99 | % | RESORCINOL | Range | 0 | 1 | % |
| LEAD | Range | 0 | 1 | % | MINERAL SPIRITS/THINNER | Range | 0 | 1 | % |
| CARBON TETRACHLORIDE | Range | 0 | 1 | % | | | | | |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **VOCs >= 500 ppm** TOC **>10%**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

- | | | |
|--|---|--|
| <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable |
| <input type="checkbox"/> Dioxins | <input type="checkbox"/> APHIS Waste | <input type="checkbox"/> CERCLA |
| <input type="checkbox"/> Infectious | <input type="checkbox"/> Dust Hazard | <input type="checkbox"/> Flammable Solid |
| <input type="checkbox"/> Oxidizer | <input type="checkbox"/> Medical (sharps,needles) | <input type="checkbox"/> Organic Peroxide |
| <input type="checkbox"/> phenolics | <input type="checkbox"/> Pesticide/Herbicide | <input type="checkbox"/> PFAS/PFOA |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> Profile Subpart P | <input type="checkbox"/> PUSO |
| | <input type="checkbox"/> RCRA Debris | |

REACTIVITY:

- | | |
|--|--|
| <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive |
| <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Reactive (Other)/Temp Sensitive | |
| <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Shock Sensitive |
| <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive |
- Others

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s):

State Code(s):

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical Generator Knowledge SDS

| METALS: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | |
|--------------------|-------------------|-------------------------------------|--------------------------|-------------------------------------|--------|------------|--------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Antimony (Sb) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >100.0 | TCLP(MG/L) | Beryllium (Be) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >5.0 | TCLP(MG/L) | Cobalt (Co) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >5.0 | TCLP(MG/L) | Copper (Cu) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Nickel (Ni) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Thallium (Tl) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Vanadium (V) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| | | | | | | | Zinc (Zn) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | | |
|---------------------------|-------------------|-------------------------------------|--------------------------|-------------------------------------|------|------------|---------------------------|-------|-------------------------------------|--------------------------|-------------------------------------|------|------------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | | |
| D018 Benzene | 0.5 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >0.5 | TCLP(MG/L) | D029 1,1-Dichloroethylene | 0.7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >0.5 | TCLP(MG/L) | D035 Methyl ethyl ketone | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D039 Tetrachloroethylene | 0.7 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >0.7 | TCLP(MG/L) |
| D022 Chloroform | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D040 Trichloroethylene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D043 Vinyl Chloride | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | | |
|-----------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|------|----------------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | | |
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | | |
|-----------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|------|--------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | 3.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| | | | | | | | | | | | | | |
|--------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|----------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | 400.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:

UN1263, Waste Paint, 3, II, RQ(D001=100#), ERG(128)

Process Code(s):

Disposal Instructions/Comments:

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity:

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

DocuSigned by:
James Atkinson
 961D41A70CBD41E James Atkinson Haz-Waste Specialist 1/18/2024

Authorized Signature

Authorized Printed Name

Title

Date

PROFILE FORM

Profile #: **NCS-135** Revision #: **7**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Karen Trimberger** Email: **katrimbe@ncsu.edu** Phone: **(919) 515-6859** Fax: **(919) 515-6307**

Manifest ER Phone #: **8775772669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQ NAICS code(s)(primary reporting first): **611310**

TSDF Approval List: Yes No Treatment/Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: MATERIAL DESCRIPTION Common Name: **NCS-135 LOOSEPACK LATEX PAINT**

Generating Process (be specific): **DISCARDED PRODUCT**

Form: **W209 - Paint, ink, lacquer, or varnish (fluid - not dried out or sludge)**

Source: **G11 - Discarding off-specification or out-of-date chemicals or products (unused chemicals or products - corresponds to P and U hazardous waste codes)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF MATERIAL (@70°F)

Layers: Multi-layered Bi-Layered Single Layered

Physical State: Solid %: **0** Sludge %: **0** Free Liquid %: **0**

Specific Gravity (water=1, oil <1, sol >1): Est. **≥1, <1.2** Actual:

Viscosity (Low-water, Med-oil, High-Honey): **Medium (Oil)**

Water %: **0** Pumpable: Yes No Color: **various**

Odor: None Mild Strong Description:

pH: N/A ≤2.0 >2.01-4.00 4.01 - 10.00 10.01-12.49 ≥12.5 Actual:

Liquid Flash Point: <73° F 73<100° F 100<140° F 140-200° F >200° F None Actual: °C °F

BTU/lbs range: <2000 2000-5000 >5001-10,000 >10,000 Boiling Point: ≤95° F >95° F Halogens %: **N/A**

D: CHEMICAL COMPOSITION OF MATERIAL

| Constituent | Key | Min | Max | UOM |
|---------------------|-----|-----|-----|-----|
| Latex Paint in Cans | = | 100 | | % |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **>10%**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

| | |
|--|--|
| <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable |
| <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> CERCLA |
| <input type="checkbox"/> Dioxins | <input type="checkbox"/> Flammable Solid |
| <input type="checkbox"/> Infectious | <input type="checkbox"/> Organic Peroxide |
| <input type="checkbox"/> Oxidizer | <input type="checkbox"/> PFAS/PFOA |
| <input type="checkbox"/> phenolics | <input type="checkbox"/> PUSO |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> RCRA Debris |

REACTIVITY:

| | |
|--|--|
| <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive |
| <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Reactive (Other)/Temp Sensitive | <input type="checkbox"/> Shock Sensitive |
| <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Water Reactive |
| <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive |

Others:

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): NONE

State Code(s): PA504

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)?

yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical

Generator Knowledge

SDS

| METALS: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|--------------------|-------------------|---|----------|--------------------------|---|----------|
| | | Above Below Not Present | | | Above Below Not Present | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Antimony (Sb) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Beryllium (Be) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Cobalt (Co) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Copper (Cu) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Nickel (Ni) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Thallium (Tl) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Vanadium (V) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| | | | | Zinc (Zn) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |

| VOLATILES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|---------------------------|-------------------|---|----------|---------------------------|-------------------------------|--|
| | | Above Below Not Present | | | Above Below Not Present | |
| D018 Benzene | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D029 1,1-Dichloroethylene | 0.7 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D035 Methyl ethyl ketone | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D039 Tetrachloroethylene | 0.7 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D040 Trichloroethylene | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D043 Vinyl Chloride | 0.2 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|-----------------------|-------------------|---|----------|----------------------------------|-------------------------------|--|
| | | Above Below Not Present | | | Above Below Not Present | |
| D012 Endrin | 0.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D016 2,4-D | 10.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D013 Lindane | 0.4 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D017 2,4,5-TP (Silvex) | 1.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D020 Chlordane | 0.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D031 Hepachlor (& it's epoxides) | 0.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|--------------------------|-------------------|---|----------|----------------------------|-------------------------------|--|
| | | Above Below Not Present | | | Above Below Not Present | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D033 Hexachlorobutadiene | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D034 Hexachloroethane | 3.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D036 Nitrobenzene | 2.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D037 Pentachlorophenol | 100.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D038 Pyridine | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D041 2,4,5-Trichlorophenol | 400.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D042 2,4,6-Trichlorophenol | 2.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> N/A None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE BILL OF LADING OR HAZARDOUS WASTE MANIFEST INCLUDING TECHNICAL CONSTITUENTS.

Non-RCRA, Non-DOT Regulated Material, (LATEX PAINT),

Process Code(s): [Redacted]

Management Instructions/Comments: [Redacted]

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly
Average Shipment Quantity: [Redacted]

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the material described herein. By signing this profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

Signed by: 
DC73B3A587E44D6 [Redacted] Kyle Wilson [Redacted] Haz. Materials Specialist [Redacted] 2/3/2025 [Redacted]

Authorized Signature

Authorized Printed Name

Title

Date

WASTE PROFILE FORM

Profile #: **NCS-139** Revision #: **5**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first):

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **NCS-139 ALKALINE BATTERIES**

Process generating Waste (be specific): **DISCARDED PRODUCT**

Form: **W320 - Electrical devices (lamps, fluorescent lamps, or thermostats usually containing mercury; CRTs containing lead; etc.)**

Source: **G11 - Discarding off-specification or out-of-date chemicals or products (unused chemicals or products - corresponds to P and U hazardous waste codes)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|--|---|---|--|
| Layers: | Physical State | Specific Gravity (water=1, oil<1, sol >1) | Viscosity (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Multi-layered | Solid %: 100 | Est. N/A Actual | N/A |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | | |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 0 | Water %: 0 Pumpable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Color: various |
| Odor: | <input checked="" type="checkbox"/> None <input type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: | |
| pH: | <input checked="" type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | |
| Liquid Flash Point: | <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input type="checkbox"/> >200° F | <input checked="" type="checkbox"/> None | Actual: <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F |
| BTU/lbs range: | <input type="checkbox"/> <2000 <input type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: N/A |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM |
|-----------------------------|-----|-----|-----|-----|
| Dry Cell Alkaline Batteries | = | 100 | | % |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **N/A**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

| | |
|--|---|
| <p>CHECK ALL THAT MAY APPLY:</p> <p><input type="checkbox"/> Asbestos, Non-friable <input type="checkbox"/> APHIS Waste <input type="checkbox"/> Asbestos, Friable <input type="checkbox"/> CERCLA</p> <p><input type="checkbox"/> Dioxins <input type="checkbox"/> Dust Hazard <input type="checkbox"/> Flammable Solid</p> <p><input type="checkbox"/> Infectious <input type="checkbox"/> Medical (sharps, needles) <input type="checkbox"/> Organic Peroxide</p> <p><input type="checkbox"/> Oxidizer <input type="checkbox"/> Pesticide/Herbicide <input type="checkbox"/> PFAS/PFOA</p> <p><input type="checkbox"/> phenolics <input type="checkbox"/> Profile Subpart P <input type="checkbox"/> PUSO</p> <p><input type="checkbox"/> Radioactive <input type="checkbox"/> RCRA Debris</p> | <p>REACTIVITY:</p> <p><input type="checkbox"/> Cyanide Reactive <input type="checkbox"/> Explosive</p> <p><input type="checkbox"/> Polymerizes <input type="checkbox"/> Pyrophoric</p> <p><input type="checkbox"/> Reactive (Other)/Temp Sensitive</p> <p><input type="checkbox"/> Reactive Metals <input type="checkbox"/> Shock Sensitive</p> <p><input type="checkbox"/> Sulfide Reactive <input type="checkbox"/> Water Reactive</p> <p>Others </p> |
|--|---|

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): NONE

State Code(s): PA703

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical Generator Knowledge SDS

| METALS: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|--------------------|-------------------|---|----------|--------------------------|---|----------|
| | | Above Below Not Present | | | Above Below Not Present | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Antimony (Sb) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Beryllium (Be) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Cobalt (Co) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Copper (Cu) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Nickel (Ni) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Thallium (Tl) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Vanadium (V) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| | | | | Zinc (Zn) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |

| VOLATILES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|---------------------------|-------------------|---|----------|---------------------------|---|----------|
| | | Above Below Not Present | | | Above Below Not Present | |
| D018 Benzene | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D029 1,1-Dichloroethylene | 0.7 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D035 Methyl ethyl ketone | 200.0 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D039 Tetrachloroethylene | 0.7 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D040 Trichloroethylene | 0.5 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D043 Vinyl Chloride | 0.2 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|-----------------------|-------------------|---|----------|----------------------------------|--|----------|
| | | Above Below Not Present | | | Above Below Not Present | |
| D012 Endrin | 0.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D016 2,4-D | 10.0 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D013 Lindane | 0.4 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D017 2,4,5-TP (Silvex) | 1.0 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D020 Chlordane | 0.0 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D031 Hepachlor (& it's epoxides) | 0.0 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|--------------------------|-------------------|---|----------|----------------------------|---|----------|
| | | Above Below Not Present | | | Above Below Not Present | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D033 Hexachlorobutadiene | 0.5 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D034 Hexachloroethane | 3.0 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D036 Nitrobenzene | 2.0 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D037 Pentachlorophenol | 100.0 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D038 Pyridine | 5.0 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D041 2,4,5-Trichlorophenol | 400.0 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D042 2,4,6-Trichlorophenol | 2.0 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:

Batteries, dry, sealed, n.o.s., (ALKALINE BATTERIES),

Process Code(s): [Redacted]

Disposal Instructions/Comments: [Redacted]

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 05

Shipping Frequency: Monthly Average Shipment Quantity: [Redacted]

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

James Atkinson [Redacted] James Atkinson [Redacted] Haz-waste Specialist [Redacted] 1/18/2024 [Redacted]

Authorized Signature Authorized Printed Name Title Date

WASTE PROFILE FORM

Profile #: **NCS-149** Revision #: **6**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG No NAICS code(s)(primary reporting first):

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **149 - HIGH WATER MIXTURES**

Process generating Waste (be specific): **CONSOLIDATED LABORATORY WASTE**

Form: **W101 - Very dilute aqueous waste containing more than 99% water (land disposal restriction defined wastewater that is not exempt under NPDES or POTW discharge)**

Source: **G22 - Laboratory analytical wastes (used chemicals from laboratory operations)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|--|--|---|---|
| Layers: | Physical State | Specific Gravity (water=1, oil <1, sol >1) | Viscosity (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Multi-layered | Solid %: 0 | Est. N/A Actual 0.8-1.0 | Low (Water) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | | |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 100 | Water %: 0 Pumpable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Color: various |
| Odor: | <input checked="" type="checkbox"/> None <input type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: | |
| pH: | <input type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input checked="" type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | |
| Liquid Flash Point: | <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input checked="" type="checkbox"/> >200° F <input type="checkbox"/> None | Actual: <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F | |
| BTU/lbs range: | <input type="checkbox"/> <2000 <input checked="" type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: <3% |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|--------------|-------|-----|-----|------|-------------|-------|-----|-----|------|
| Formaldehyde | Range | | 1 | 10 % | Water | Range | | 90 | 99 % |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **N/A**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

| | |
|--|---|
| <p>CHECK ALL THAT MAY APPLY:</p> <p><input type="checkbox"/> Asbestos, Non-friable</p> <p><input type="checkbox"/> Dioxins</p> <p><input type="checkbox"/> Infectious</p> <p><input type="checkbox"/> Oxidizer</p> <p><input type="checkbox"/> phenolics</p> <p><input type="checkbox"/> Radioactive</p> <p><input type="checkbox"/> Ammonia</p> <p><input type="checkbox"/> APHIS Waste</p> <p><input type="checkbox"/> Dust Hazard</p> <p><input type="checkbox"/> Medical (sharps, needles)</p> <p><input type="checkbox"/> Pesticide/Herbicide</p> <p><input type="checkbox"/> Profile Subpart P</p> <p><input type="checkbox"/> RCRA Debris</p> <p><input type="checkbox"/> Asbestos, Friable</p> <p><input type="checkbox"/> CERCLA</p> <p><input type="checkbox"/> Flammable Solid</p> <p><input type="checkbox"/> Organic Peroxide</p> <p><input type="checkbox"/> PFAS/PFOA</p> <p><input type="checkbox"/> PUSO</p> | <p>REACTIVITY:</p> <p><input type="checkbox"/> Cyanide Reactive</p> <p><input type="checkbox"/> Polymerizes</p> <p><input type="checkbox"/> Reactive (Other)/Temp Sensitive</p> <p><input type="checkbox"/> Reactive Metals</p> <p><input type="checkbox"/> Sulfide Reactive</p> <p><input type="checkbox"/> Explosive</p> <p><input type="checkbox"/> Pyrophoric</p> <p><input type="checkbox"/> Shock Sensitive</p> <p><input type="checkbox"/> Water Reactive</p> <p>Others </p> |
|--|---|

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): NONE

State Code(s): PA311

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's in THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical

Generator Knowledge

SDS

| METALS: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|--------------------|-------------------|---|----------|--------------------------|---|----------|
| | | Above Below Not Present | | | Above Below Not Present | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Antimony (Sb) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Beryllium (Be) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Cobalt (Co) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Copper (Cu) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Nickel (Ni) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Thallium (Tl) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Vanadium (V) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| | | | | Zinc (Zn) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |

| VOLATILES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|---------------------------|-------------------|---|----------|---------------------------|---|----------|
| | | Above Below Not Present | | | Above Below Not Present | |
| D018 Benzene | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D029 1,1-Dichloroethylene | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D035 Methyl ethyl ketone | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D039 Tetrachloroethylene | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D040 Trichloroethylene | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D043 Vinyl Chloride | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|-----------------------|-------------------|---|----------|----------------------------------|---|----------|
| | | Above Below Not Present | | | Above Below Not Present | |
| D012 Endrin | 0.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D016 2,4-D | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D013 Lindane | 0.4 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D017 2,4,5-TP (Silvex) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D020 Chlordane | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D031 Hepachlor (& it's epoxides) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|--------------------------|-------------------|---|----------|----------------------------|---|----------|
| | | Above Below Not Present | | | Above Below Not Present | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D033 Hexachlorobutadiene | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D034 Hexachloroethane | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D036 Nitrobenzene | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D037 Pentachlorophenol | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D038 Pyridine | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D041 2,4,5-Trichlorophenol | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D042 2,4,6-Trichlorophenol | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:

Non-RCRA, Non-DOT Regulated Material,

Process Code(s): [Redacted]

Disposal Instructions/Comments: [Redacted]

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity: [Redacted]

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

DocuSigned by:
James R Atkinson
961D41A70CBD41E James R Atkinson Haz-waste Specialist 2/19/2024

Authorized Signature

Authorized Printed Name

Title

Date

PROFILE FORM

Profile #: **NCS-152** Revision #: **6**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Karen Trimberger** Email: **katrimbe@ncsu.edu** Phone: **(919) 515-6859** Fax: **(919) 515-6307**

Manifest ER Phone #: **8775772669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQ NAICS code(s)(primary reporting first): **611310**
G

TSDF Approval List: Yes No Treatment/Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: MATERIAL DESCRIPTION Common Name: **NCS-152 LEAD FOR RECYCLING**

Generating Process (be specific): **DEBRIS FROM REMEDIATION**

Form: **W307 - Metal scale, filings and scrap (including metal drums)**

Source: **G49 - Other remediation (specify in comments)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF MATERIAL (@70°F)

Layers: Multi-layered Bi-Layered Single Layered

Physical State: Solid %: **100** Sludge %: **0** Free Liquid %: **0**

Debris Monolith Powder Compressed Gas

Water %: **0** Pumpable: Yes No

Specific Gravity (water=1, oil <1, sol >1): Est. **N/A** Actual

Viscosity (Low-water, Med-oil, High-Honey): **High (Tar/Honey)** Color: **various**

Odor: None Mild Strong Description:

pH: N/A ≤2.0 >2.01-4.00 4.01 - 10.00 10.01-12.49 ≥12.5 Actual:

Liquid Flash Point: <73° F 73<100° F 100<140° F 140-200° F >200° F None Actual: °C °F

BTU/lbs range: <2000 2000-5000 >5001-10,000 >10,000 Boiling Point: ≤95° F >95° F Halogens %: **N/A**

D: CHEMICAL COMPOSITION OF MATERIAL

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|-------------|-------|-----|-----|-----|-------------|-------|-----|-----|-----|
| lead sheets | Range | 25 | 50 | % | lead shot | Range | 25 | 50 | % |
| lead pipes | Range | 25 | 50 | % | | | | | |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **N/A**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

| | |
|--|--|
| <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable |
| <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> CERCLA |
| <input type="checkbox"/> Dioxins | <input type="checkbox"/> Flammable Solid |
| <input type="checkbox"/> Infectious | <input type="checkbox"/> Organic Peroxide |
| <input type="checkbox"/> Oxidizer | <input type="checkbox"/> PFAS/PFOA |
| <input type="checkbox"/> phenolics | <input type="checkbox"/> PUSO |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> RCRA Debris |

REACTIVITY:

| | |
|--|--|
| <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive |
| <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Reactive (Other)/Temp Sensitive | |
| <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Shock Sensitive |
| <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive |

Others:

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): **D008**

State Code(s):

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical Generator Knowledge SDS

| METALS: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | |
|--------------------|-------------------|-------------------------------------|--------------------------|-------------------------------------|-----|------------|--------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Antimony (Sb) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Beryllium (Be) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Cobalt (Co) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >5 | TCLP(MG/L) | Copper (Cu) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Nickel (Ni) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Thallium (Tl) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Vanadium (V) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| | | | | | | | Zinc (Zn) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | |
|---------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|------|---------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | |
| D018 Benzene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D029 1,1-Dichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D035 Methyl ethyl ketone | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D039 Tetrachloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D040 Trichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D043 Vinyl Chloride | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | |
|-----------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|------|----------------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | |
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | | TCLP Limit (mg/l) | Range | | | UOM | |
|--------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|------|----------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | | Above | Below | Not Present | | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE BILL OF LADING OR HAZARDOUS WASTE MANIFEST INCLUDING TECHNICAL CONSTITUENTS.

NA3077, Hazardous waste, solid, n.o.s., (LEAD), 9, III, RQ(D008=100#), ERG(171)

Process Code(s): [Redacted]

Management Instructions/Comments: [Redacted]

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly
Average Shipment Quantity: [Redacted]

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the material described herein. By signing this profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

Signed by: 
DC73B3A587E44D6 [Redacted] Kyle Wilson [Redacted] Haz. Materials Specialist [Redacted] 2/3/2025 [Redacted]

Authorized Signature

Authorized Printed Name

Title

Date

WASTE PROFILE FORM

Profile #: **NCS_161** Revision #: **6**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first):

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **NCS-161 ACIDS WITH MERCURY**

Process generating Waste (be specific): **ANALYTICAL WASTE**

Form: **W105 - Acidic aqueous wastes less than 5% acid (diluted but pH less than 2)**

Source: **G22 - Laboratory analytical wastes (used chemicals from laboratory operations)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|--|--|---|--|
| Layers: | Physical State | Specific Gravity (water=1, oil<1, sol >1) | Viscosity (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Multi-layered | Solid %: 0 | Est. ≥0.8, <1 Actual | Low (Water) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | | |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 100 | Water %: 0 Pumpable: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Color: clear |
| Odor: | <input type="checkbox"/> None <input checked="" type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: sulfur | |
| pH: | <input type="checkbox"/> N/A <input checked="" type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | |
| Liquid Flash Point: | <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input checked="" type="checkbox"/> >200° F <input type="checkbox"/> None | Actual: | <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F |
| BTU/lbs range: | <input type="checkbox"/> <2000 <input type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: N/A |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|-------------------|-------|------|-----|-----|----------------|-------|-----|-----|-----|
| Mercury Compounds | Range | 0.01 | 5 | % | Water | Range | 90 | 99 | % |
| Potassium Sulfate | Range | 0 | 5 | % | Selenium | Range | 0 | 0.1 | % |
| Sulfuric Acid | Range | 1 | 10 | % | Silver Acetate | Range | 0 | 0.1 | % |
| Lead Acetate | Range | 0 | 0.1 | % | | | | | |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **N/A**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

- | | | |
|--|---|--|
| <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable |
| <input type="checkbox"/> Dioxins | <input type="checkbox"/> APHIS Waste | <input type="checkbox"/> CERCLA |
| <input type="checkbox"/> Infectious | <input type="checkbox"/> Dust Hazard | <input type="checkbox"/> Flammable Solid |
| <input type="checkbox"/> Oxidizer | <input type="checkbox"/> Medical (sharps,needles) | <input type="checkbox"/> Organic Peroxide |
| <input type="checkbox"/> phenolics | <input type="checkbox"/> Pesticide/Herbicide | <input type="checkbox"/> PFAS/PFOA |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> Profile Subpart P | <input type="checkbox"/> PUSO |
| | <input type="checkbox"/> RCRA Debris | |

REACTIVITY:

- | | |
|--|--|
| <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive |
| <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Reactive (Other)/Temp Sensitive | |
| <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Shock Sensitive |
| <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive |
- Others

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s):

State Code(s):

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical Generator Knowledge SDS

| METALS: | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM |
|--------------------|-------------------|-------------------------------------|--------------------------|-------------------------------------|-------|------------|--------------------------|--------------------------|--------------------------|-------------------------------------|-------|------|
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Antimony (Sb) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Beryllium (Be) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Cobalt (Co) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >5 | TCLP(MG/L) | Copper (Cu) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D009 Mercury (Hg) | 0.2 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >0.2 | TCLP(MG/L) | Nickel (Ni) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D010 Selenium (Se) | 1.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >1 | TCLP(MG/L) | Thallium (Tl) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D011 Silver (Ag) | 5.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >5 | TCLP(MG/L) | Vanadium (V) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| | | | | | | | Zinc (Zn) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| VOLATILES: | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM |
|---------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------|---------------------------|--------------------------|--------------------------|-------------------------------------|-------|------|
| D018 Benzene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D029 1,1-Dichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D035 Methyl ethyl ketone | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D039 Tetrachloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D040 Trichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D043 Vinyl Chloride | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM |
|-----------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------|----------------------------------|--------------------------|--------------------------|-------------------------------------|-------|------|
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM |
|-----------------|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------|--------------------------|--------------------------|--------------------------|-------------------------------------|-------|------|
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| | | | | | | | | | | | | | |
|--------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|----------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | 400.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:

UN3264, Waste Corrosive liquid, acidic, inorganic, n.o.s., (SULFURIC ACID, MERCURY), 8, II, RQ(DMD002=100# D009=1#), ERG(154)

Process Code(s):

Disposal Instructions/Comments:

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity:

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.


James R Atkinson
Haz-Waste Specialist
2/19/2024

Authorized Signature

Authorized Printed Name

Title

Date

WASTE PROFILE FORM

 Profile #: **NCS-167** Revision #: **6**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first):

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **NCS-167 CHLORINATED SILICA FILTER MEDIA**

Process generating Waste (be specific): **SOLVENT FILTRATION.**

Form: **W310 - Filters, solid absorbents, ion exchange resins and spent carbon (usually form production, intermittent processes, or remediation)**

Source: **G22 - Laboratory analytical wastes (used chemicals from laboratory operations)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|--|--|---|--|
| Layers: | Physical State | Specific Gravity (water=1, oil<1, sol >1) | Viscosity (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Multi-layered | Solid %: 100 | Est. N/A Actual 1 | N/A |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | <input type="checkbox"/> Debris <input type="checkbox"/> Monolith <input type="checkbox"/> Powder | |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 0 | <input type="checkbox"/> Compressed Gas | |
| | Water %: 0 | Pumpable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Color: white |
| Odor: <input type="checkbox"/> None <input checked="" type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: aromatic | | |
| pH: <input checked="" type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | | |
| Liquid Flash Point: <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input type="checkbox"/> >200° F <input checked="" type="checkbox"/> None | Actual: | | <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F |
| BTU/lbs range: <input type="checkbox"/> <2000 <input type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: N/A | |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|--|-------|-----|-----|-----|-----------------------|-------|-----|-----|-----|
| Pyridine | Range | 0 | 1 | % | Silica, Alumina, Sand | Range | 93 | 97 | % |
| Debris - Glass Paper, Cardboard, Plastic | Range | 0 | 5 | % | Halogenated Solvents | Range | 0 | 1 | % |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **<1%**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

- | | | |
|--|--|--|
| <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable |
| <input type="checkbox"/> Dioxins | <input type="checkbox"/> APHIS Waste | <input type="checkbox"/> CERCLA |
| <input type="checkbox"/> Infectious | <input type="checkbox"/> Dust Hazard | <input type="checkbox"/> Flammable Solid |
| <input type="checkbox"/> Oxidizer | <input type="checkbox"/> Medical (sharps, needles) | <input type="checkbox"/> Organic Peroxide |
| <input type="checkbox"/> phenolics | <input type="checkbox"/> Pesticide/Herbicide | <input type="checkbox"/> PFAS/PFOA |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> Profile Subpart P | <input type="checkbox"/> PUSO |
| | <input type="checkbox"/> RCRA Debris | |

REACTIVITY:

- | | |
|--|--|
| <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive |
| <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Reactive (Other)/Temp Sensitive | |
| <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Shock Sensitive |
| <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive |

 Others

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): D018,D019,D022,D029,D038,D039,D040,F002,F003,F005

State Code(s):

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical Generator Knowledge SDS

| METALS: | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM |
|--------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------|--------------------------|--------------------------|--------------------------|-------------------------------------|-------|------|
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Antimony (Sb) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Beryllium (Be) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Cobalt (Co) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Copper (Cu) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Nickel (Ni) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Thallium (Tl) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Vanadium (V) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| | | | | | | | Zinc (Zn) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| VOLATILES: | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | |
|---------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------|---------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| D018 Benzene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D029 1,1-Dichloroethylene | 0.7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D035 Methyl ethyl ketone | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D039 Tetrachloroethylene | 0.7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D040 Trichloroethylene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D043 Vinyl Chloride | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | |
|-----------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------|----------------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | |
|--------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------|----------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | 3.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | 400.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:

NA3077, Hazardous waste, solid, n.o.s., (PETROLEUM HYDROCARBONS, ALIPHATIC HYDROCARBONS), 9, III, RQ(D018=10#), ERG(171)

Process Code(s): [Redacted]

Disposal Instructions/Comments: [Redacted]

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity: [Redacted]

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

DocuSigned By: *James R. Atkinson* [Redacted] James R. Atkinson [Redacted] Haz-Waste Specialist [Redacted] 3/1/2024 [Redacted]

961D41A70CBD41E

Authorized Signature

Authorized Printed Name

Title

Date

PROFILE FORM

Profile #: **NCS-173** Revision #: **8**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: _____ EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Karen Trimberger** Email: **katrimbe@ncsu.edu** Phone: **(919) 515-6859** Fax: **(919) 515-6307**

Manifest ER Phone #: **8775772669** Generator Subpart P: Yes No Various Generator: Yes No State ID#: _____

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first): **611310**

TSDF Approval List: Yes No Treatment/Disposal Restrictions: _____

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: _____ Customer #: _____

Customer Name: **North Carolina State University** Phone: _____

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: _____ Email: **mdlong3@ncsu.edu** Fax: _____

B: MATERIAL DESCRIPTION Common Name: **173 - ORGANIC ACIDS**

Generating Process (be specific): **CONSOLIDATED LABORATORY WASTE**

W219 - Other organic liquid (specify in comments)

Form: _____

G22 - Laboratory analytical wastes (used chemicals from laboratory operations)

Source: _____

1 - Generated on-site from a product process or service activity

Origin: _____

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF MATERIAL (@70°F)

| | | | |
|--|--|---|--|
| Layers: | Physical State | Specific Gravity | Viscosity |
| <input type="checkbox"/> Multi-layered | Solid %: 0 | oil <1, sol >1) | (water=1, High-Honey) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | | Low (Water) |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 100 | Est. ≥0.8, <1 | Actual _____ |
| | Water %: 0 | Pumpable: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Color: various |
| Odor: <input checked="" type="checkbox"/> None <input type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: _____ | | |
| pH: <input type="checkbox"/> N/A <input checked="" type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: _____ | | |
| Liquid Flash Point: <input type="checkbox"/> <73° F <input checked="" type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input type="checkbox"/> >200° F <input type="checkbox"/> None | Actual: _____ | | <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F |
| BTU/lbs range: <input type="checkbox"/> <2000 <input checked="" type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: <3% | |

D: CHEMICAL COMPOSITION OF MATERIAL

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|-------------------------|-------|-----|-----|-----|----------------|-------|-----|-----|-----|
| ACETIC ACID ETHYL ESTER | Range | 0 | 1 | % | WATER | Range | 1 | 30 | % |
| ETHANOL | Range | 0 | 5 | % | CHLOROBENZENE | Range | 0 | 1 | % |
| BENZENE | Range | 0 | 1 | % | PROPIONIC ACID | Range | 0 | 10 | % |
| CHLOROFORM | Range | 0 | 10 | % | SILVER | Range | 0 | 1 | % |
| CHROMIUM | Range | 0 | 1 | % | FORMIC ACID | Range | 0 | 50 | % |
| ETHYL ETHER | Range | 0 | 5 | % | ACETONITRILE | Range | 0 | 5 | % |
| LEAD | Range | 0 | 1 | % | ETHYL ACETATE | Range | 0 | 50 | % |

| | | | | | | | | | |
|-------------------|-------|---|----|---|-------------|-------|---|----|---|
| METHANOL | Range | 0 | 20 | % | ACETIC ACID | Range | 0 | 50 | % |
| TOLUENE | Range | 0 | 20 | % | PYRIDINE | Range | 0 | 1 | % |
| TRICHLOROETHYLENE | Range | 0 | 1 | % | | | | | |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) < 500 ppm 500-1000 ppm > 1000 ppm TOC < 10% 10-20% > 20%

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

| | | |
|--|--|---|
| <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable | REACTIVITY: |
| <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> CERCLA | |
| <input type="checkbox"/> Dioxins | <input type="checkbox"/> Flammable Solid | |
| <input type="checkbox"/> Infectious | <input type="checkbox"/> Organic Peroxide | |
| <input type="checkbox"/> Oxidizer | <input type="checkbox"/> PFAS/PFOA | |
| <input type="checkbox"/> phenolics | <input type="checkbox"/> PUSO | |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> RCRA Debris | |
| <input type="checkbox"/> APHIS Waste | <input type="checkbox"/> Dust Hazard | |
| <input type="checkbox"/> Medical (sharps, needles) | <input type="checkbox"/> Pesticide/Herbicide | <input type="checkbox"/> Cyanide Reactive |
| <input type="checkbox"/> Profile Subpart P | <input type="checkbox"/> Reactive (Other)/Temp Sensitive | <input type="checkbox"/> Explosive |
| <input type="checkbox"/> RCRA Debris | <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Pyrophoric |
| | <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Shock Sensitive |
| | | <input type="checkbox"/> Water Reactive |

Others

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No EPA Exemption ref

EPA Waste Code(s):

State Code(s):

State Regulated Waste: Yes No Generator State Universal Waste: Yes No WA Designation: DW

LANDFILL INFORMATION Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical Generator Knowledge SDS

| METALS: | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present |
|--------------------|-------|------------|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------------|-------------------|--------------------------|--------------------------|-------------------------------------|
| D004 Arsenic (As) | 5.0 | TCLP(MG/L) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | TCLP(MG/L) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| D005 Barium (Ba) | 100.0 | TCLP(MG/L) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | TCLP(MG/L) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| D006 Cadmium (Cd) | 1.0 | TCLP(MG/L) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | TCLP(MG/L) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| D007 Chromium (Cr) | 5.0 | TCLP(MG/L) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | TCLP(MG/L) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| D008 Lead (Pb) | 5.0 | TCLP(MG/L) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | TCLP(MG/L) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| D009 Mercury (Hg) | 0.2 | Total ppm | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | Total ppm | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| D010 Selenium (Se) | 1.0 | TCLP(MG/L) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | TCLP(MG/L) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| D011 Silver (Ag) | 5.0 | TCLP(MG/L) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | TCLP(MG/L) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| VOLATILES: | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present | Range | UOM | TCLP Limit (mg/l) | Above | Below | Not Present |
|---------------------------|-------|------|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------|-------------------|--------------------------|--------------------------|-------------------------------------|
| D018 Benzene | 0.5 | None | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0.5 | None | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| D019 Carbon Tetrachloride | 0.5 | None | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0.5 | None | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| D021 Chlorobenzene | 100.0 | None | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 100.0 | None | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| D022 Chloroform | 6.0 | None | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 6.0 | None | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| D028 1,2-Dichloroethane | 0.5 | None | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0.5 | None | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| D029 1,1-Dichloroethylene | 0.7 | None | 0.7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0.7 | None | 0.7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| D035 Methyl ethyl ketone | 200.0 | None | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 200.0 | None | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| D039 Tetrachloroethylene | 0.7 | None | 0.7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0.7 | None | 0.7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| D040 Trichloroethylene | 0.5 | None | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0.5 | None | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| D043 Vinyl Chloride | 0.2 | None | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0.2 | None | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

PESTICIDE/HERBICIDES:

Range UOM

Range UOM

| TCLP Limit | | | | | TCLP Limit | | | | | | |
|-------------------|--------------------------|--------------------------|-------------------------------------|-------|------------|----------------------------------|--------------------------|--------------------------|-------------------------------------|-------|------|
| (mg/l) | Above | Below | Not Present | Range | UOM | (mg/l) | Above | Below | Not Present | Range | UOM |
| D012 Endrin | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

SEMI-VOLATILES:

Range UOM

Range UOM

| TCLP Limit | | | | | TCLP Limit | | | | | | |
|--------------------------|--------------------------|--------------------------|-------------------------------------|-------|------------|----------------------------|--------------------------|--------------------------|-------------------------------------|-------|------|
| (mg/l) | Above | Below | Not Present | Range | UOM | (mg/l) | Above | Below | Not Present | Range | UOM |
| D023 o-Cresol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D025 p-Cresol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE BILL OF LADING OR HAZARDOUS WASTE MANIFEST INCLUDING TECHNICAL CONSTITUENTS.
 UN2924, Waste Flammable liquids, corrosive, n.o.s., (ACETIC ACID, ETHYL ACETATE), 3 (8), II, RQ(D001,D002=100#), ERG(132)

Process Code(s):

Management Instructions/Comments:

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity:

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the material described herein. By signing this profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

Authorized Signature: _____ Authorized Printed Name: _____ Title: _____ Date: _____

WASTE PROFILE FORM

Profile #: **NCS-185** Revision #: **2**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Karen Trimberger** Email: **katrimbe@ncsu.edu** Phone: **(919) 515-6859** Fax: **(919) 515-6307**

Manifest ER Phone #: **8775772669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **NCS-185 BROKEN BULBS WITH MERCURY**

Process generating Waste (be specific): **BROKEN EQUIPMENT**

Form: **W320 - Electrical devices (lamps, fluorescent lamps, or thermostats usually containing mercury; CRTs containing lead; etc.)**

Source: **G11 - Discarding off-specification or out-of-date chemicals or products (unused chemicals or products - corresponds to P and U hazardous waste codes)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|---|---|---|---|
| Layers: | Physical State | Specific Gravity (water=1, oil<1, sol >1) | Viscosity (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Multi-layered | Solid %: 100 | <input type="checkbox"/> Debris <input type="checkbox"/> Monolith <input type="checkbox"/> Powder | Est. N/A Actual N/A |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | <input type="checkbox"/> Compressed Gas | N/A |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 0 | Water %: 0 Pumpable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Color: white |
| Odor: <input checked="" type="checkbox"/> None <input type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: | | |
| pH: <input checked="" type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | | |
| Liquid Flash Point: <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input type="checkbox"/> >200° F | <input checked="" type="checkbox"/> None Actual: <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F | | |
| BTU/lbs range: <input type="checkbox"/> <2000 <input type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F Halogens %: N/A | | |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|--------------|-----|-------|-----|-----|-------------|-------|-------|-----|-----|
| BROKEN BULBS | = | 99.99 | | % | MERCURY | Range | 0.001 | 0.1 | % |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **N/A**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

- | | | |
|--|--|--|
| <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable |
| <input type="checkbox"/> Dioxins | <input type="checkbox"/> APHIS Waste | <input type="checkbox"/> CERCLA |
| <input type="checkbox"/> Infectious | <input type="checkbox"/> Dust Hazard | <input type="checkbox"/> Flammable Solid |
| <input type="checkbox"/> Oxidizer | <input type="checkbox"/> Medical (sharps, needles) | <input type="checkbox"/> Organic Peroxide |
| <input type="checkbox"/> phenolics | <input type="checkbox"/> Pesticide/Herbicide | <input type="checkbox"/> PFAS/PFOA |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> Profile Subpart P | <input type="checkbox"/> PUSO |
| | <input type="checkbox"/> RCRA Debris | |

REACTIVITY:

- | | |
|--|--|
| <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive |
| <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Reactive (Other)/Temp Sensitive | |
| <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Shock Sensitive |
| <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive |

Others

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): **D009**

State Code(s):

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical

Generator Knowledge

SDS

| METALS: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM |
|--------------------|-------------------|-------------------------------------|--------------------------|-------------------------------------|----------------|--------------------------|--------------------------|-------------------------------------|---------------|-----|
| | | Above | Below | Not Present | | Above | Below | Not Present | | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A Total ppm | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A Total ppm | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A Total ppm | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A Total ppm | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A Total ppm | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A Total ppm | |
| D009 Mercury (Hg) | 0.2 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >260 Total ppm | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A Total ppm | |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A Total ppm | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A Total ppm | |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A Total ppm | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | |
| | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A Total ppm | |

| VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | |
|---------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|----------|---------------------------|-------|--------------------------|--------------------------|-------------------------------------|----------|
| | | Above | Below | Not Present | | Above | Below | Not Present | | | |
| D018 Benzene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D029 1,1-Dichloroethylene | 0.7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D035 Methyl ethyl ketone | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D039 Tetrachloroethylene | 0.7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D040 Trichloroethylene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D043 Vinyl Chloride | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | |
|-----------------------|-------------------|--------------------------|--------------------------|-------------------------------------|----------|----------------------------------|-------|--------------------------|--------------------------|-------------------------------------|----------|
| | | Above | Below | Not Present | | Above | Below | Not Present | | | |
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D016 2,4-D | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D017 2,4,5-TP (Silvex) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D020 Chlordane | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D031 Hepachlor (& it's epoxides) | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | |
|--------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|----------|----------------------------|-------|--------------------------|--------------------------|-------------------------------------|----------|
| | | Above | Below | Not Present | | Above | Below | Not Present | | | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D033 Hexachlorobutadiene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D034 Hexachloroethane | 3.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D036 Nitrobenzene | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D037 Pentachlorophenol | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D038 Pyridine | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D041 2,4,5-Trichlorophenol | 400.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None | D042 2,4,6-Trichlorophenol | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:

NA3077, Hazardous waste, solid, n.o.s., (MERCURY), 9, III, RQ(D009), ERG(171)

Process Code(s): [Redacted]

Disposal Instructions/Comments: [Redacted]

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity: [Redacted]

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

Signed by:  [Redacted] Kyle Wilson [Redacted] Haz. Materials Specialist [Redacted] 12/18/2024 [Redacted]

Authorized Signature Authorized Printed Name Title Date

PROFILE FORM

Profile #: **NCS-194** Revision #: **6**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Karen Trimberger** Email: **katrimbe@ncsu.edu** Phone: **(919) 515-6859** Fax: **(919) 515-6307**

Manifest ER Phone #: **8775772669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQ NAICS code(s)(primary reporting first): **611310**

TSDF Approval List: Yes No Treatment/Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: MATERIAL DESCRIPTION Common Name: **NCS-194 COD VIALS**

Generating Process (be specific): **ANALYTICAL WASTE**

Form: **W113 - Other aqueous waste or wastewaters (fluid but not sludge)**

Source: **G22 - Laboratory analytical wastes (used chemicals from laboratory operations)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF MATERIAL (@70°F)

Layers: Multi-layered Bi-Layered Single Layered

Physical State: Solid %: **0** Sludge %: **0** Free Liquid %: **0**

Specific Gravity (water=1, oil <1, sol >1): Est. **≥0.8, <1** Actual:

Viscosity (Low-water, Med-oil, High-Honey): **Low (Water)**

Water %: **15** Pumpable: Yes No Color: **amber**

Odor: None Mild Strong Description:

pH: N/A ≤2.0 >2.01-4.00 4.01 - 10.00 10.01-12.49 ≥12.5 Actual:

Liquid Flash Point: <73° F 73<100° F 100<140° F 140-200° F >200° F None Actual: °C °F

BTU/lbs range: <2000 2000-5000 >5001-10,000 >10,000 Boiling Point: ≤95° F >95° F Halogens %: **N/A**

D: CHEMICAL COMPOSITION OF MATERIAL

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|------------------|-------|-----|-----|-----|--------------------------|-------|-----|-----|-----|
| SULFURIC ACID | Range | 80 | 90 | % | SILVER SULFATE | Range | 0.5 | 3 | % |
| WATER | Range | 15 | 25 | % | CHROMIC ACID | Range | 0.1 | 1 | % |
| MERCURIC SULFATE | Range | 1 | 5 | % | CONTAINED IN GLASS VIALS | Info | | | |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **N/A**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

| | | |
|--|--|--|
| <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable |
| <input type="checkbox"/> Dioxins | <input type="checkbox"/> APHIS Waste | <input type="checkbox"/> CERCLA |
| <input type="checkbox"/> Infectious | <input type="checkbox"/> Dust Hazard | <input type="checkbox"/> Flammable Solid |
| <input type="checkbox"/> Oxidizer | <input type="checkbox"/> Medical (sharps, needles) | <input type="checkbox"/> Organic Peroxide |
| <input type="checkbox"/> phenolics | <input type="checkbox"/> Pesticide/Herbicide | <input type="checkbox"/> PFAS/PFOA |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> Profile Subpart P | <input type="checkbox"/> PUSO |
| | <input type="checkbox"/> RCRA Debris | |

REACTIVITY:

| | |
|--|--|
| <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive |
| <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Reactive (Other)/Temp Sensitive | |
| <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Shock Sensitive |
| <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive |

Others:

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): D002,D007,D009,D011

State Code(s):

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical

Generator Knowledge

SDS

| METALS: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|--------------------|-------------------|-------------------------------------|--------------------------|-------------------------------------|------|-------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Antimony (Sb) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Beryllium (Be) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >5 | TCLP(MG/L) | Cobalt (Co) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Copper (Cu) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D009 Mercury (Hg) | 0.2 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >260 | Total ppm | Nickel (Ni) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Thallium (Tl) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D011 Silver (Ag) | 5.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >5 | TCLP(MG/L) | Vanadium (V) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| | | | | | | | Zinc (Zn) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|---------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|---------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D018 Benzene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D029 1,1-Dichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D035 Methyl ethyl ketone | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D039 Tetrachloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D040 Trichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D043 Vinyl Chloride | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|-----------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|----------------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|--------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|----------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE BILL OF LADING OR HAZARDOUS WASTE MANIFEST INCLUDING TECHNICAL CONSTITUENTS.

UN2922, Waste Corrosive liquids, toxic, n.o.s., (SULFURIC ACID, CHROMIC ACID), 8 (6.1), II, RQ(D002=100# D009=1#), ERG(154)

Process Code(s): [Redacted]

Management Instructions/Comments: [Redacted]

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly
Average Shipment Quantity: [Redacted]

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the material described herein. By signing this profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

Signed by:  [Redacted] kyle wilson [Redacted] Haz. Materials Specialist [Redacted] 2/3/2025 [Redacted]

Authorized Signature Authorized Printed Name Title Date

WASTE PROFILE FORM

 Profile #: **NCS-204** Revision #: **6**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first):

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **204 - FORMALDEHYDE SOLUTIONS**

Process generating Waste (be specific): **CONSOLIDATED LABORATORY WASTE**

Form: **W219 - Other organic liquid (specify in comments)**

Source: **G22 - Laboratory analytical wastes (used chemicals from laboratory operations)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|--|--|---|--|
| Layers: | Physical State | Specific Gravity (water=1, oil<1, sol >1) | Viscosity (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Multi-layered | Solid %: 0 | Est. ≥0.8, <1 | Actual Low (Water) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | <input type="checkbox"/> Debris <input type="checkbox"/> Monolith <input type="checkbox"/> Powder | |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 100 | <input type="checkbox"/> Compressed Gas | |
| | Water %: 0 | Pumpable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Color: clear |
| Odor: <input type="checkbox"/> None <input checked="" type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: aldehydes | | |
| pH: <input type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input checked="" type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | | |
| Liquid Flash Point: <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input checked="" type="checkbox"/> 140-200° F <input type="checkbox"/> >200° F <input type="checkbox"/> None | Actual: | | <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F |
| BTU/lbs range: <input type="checkbox"/> <2000 <input checked="" type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: | |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|------------------------|-------|-----|-----|-----|-------------|-------|-----|-----|-----|
| methanol (in formalin) | Range | 0 | 10 | % | water | Range | 63 | 90 | % |
| formaldehyde (Spent) | Range | 10 | 37 | % | | | | | |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **VOCs >= 100 ppm < 500ppm** TOC **>10%**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

| | | |
|--|--|--|
| <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable |
| <input type="checkbox"/> Dioxins | <input type="checkbox"/> APHIS Waste | <input type="checkbox"/> CERCLA |
| <input type="checkbox"/> Infectious | <input type="checkbox"/> Dust Hazard | <input type="checkbox"/> Flammable Solid |
| <input type="checkbox"/> Oxidizer | <input type="checkbox"/> Medical (sharps, needles) | <input type="checkbox"/> Organic Peroxide |
| <input type="checkbox"/> phenolics | <input type="checkbox"/> Pesticide/Herbicide | <input type="checkbox"/> PFAS/PFOA |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> Profile Subpart P | <input type="checkbox"/> PUSO |
| | <input type="checkbox"/> RCRA Debris | |

REACTIVITY:

| | |
|--|--|
| <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive |
| <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Reactive (Other)/Temp Sensitive | |
| <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Shock Sensitive |
| <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive |

Others:

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): NONE

State Code(s): PA312

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical

Generator Knowledge

SDS

| METALS: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|--------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Antimony (Sb) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Beryllium (Be) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Cobalt (Co) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Copper (Cu) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Nickel (Ni) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Thallium (Tl) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Vanadium (V) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| | | | | | | | Zinc (Zn) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|---------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|---------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D018 Benzene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D029 1,1-Dichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D035 Methyl ethyl ketone | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D039 Tetrachloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D040 Trichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D043 Vinyl Chloride | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|-----------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|----------------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|--------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|----------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:

UN2209, Formaldehyde, solutions, [with not less than 25 percent formaldehyde], 8, III, ERG(132)

Process Code(s): [Redacted]

Disposal Instructions/Comments: [Redacted]

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity: [Redacted]

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

DocuSigned By: *James R. Atkinson* [Redacted] James R. Atkinson [Redacted] Haz-Waste Specialist [Redacted] 3/1/2024 [Redacted]

961D41A70CBD41E [Redacted]
Authorized Signature Authorized Printed Name Title Date

WASTE PROFILE FORM

Profile #: **NCS-210** Revision #: **6**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG No NAICS code(s)(primary reporting first):

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **210 - GRINDING SLUDGE**

Process generating Waste (be specific): **PROCESS WASTE - GRINDING**

Form: **W519 - Other inorganic sludges (not contaminated muds - W512; specify in comments)**

Source: **G07 - Product and by-product processing (direct flow of wastes from chemical manufacturing or processing, etc.)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|--|--|---|---|
| Layers: | Physical State | Specific Gravity (water=1, oil<1, sol >1) | Viscosity (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Multi-layered | Solid %: 0 | Est. N/A Actual 1.3-1.4 | High (Tar/Honey) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 100 | | |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 1-5 | Water %: 0 Pumpable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Color: brown |
| Odor: <input checked="" type="checkbox"/> None <input type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: | | |
| pH: <input type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input checked="" type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | | |
| Liquid Flash Point: <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input type="checkbox"/> >200° F <input checked="" type="checkbox"/> None | Actual: <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F | | |
| BTU/lbs range: <input type="checkbox"/> <2000 <input checked="" type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F Halogens %: <3% | | |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|-------------|-------|-----|-----|-----|--------------|-------|-----|-----|------|
| steel | Range | | 0 | 1 % | garnet -sand | Range | | 95 | 99 % |
| aluminum | Range | | 0 | 1 % | water | Range | | 1 | 5 % |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **<1%**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

| | | |
|--|--|--|
| <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable |
| <input type="checkbox"/> Dioxins | <input type="checkbox"/> APHIS Waste | <input type="checkbox"/> CERCLA |
| <input type="checkbox"/> Infectious | <input type="checkbox"/> Dust Hazard | <input type="checkbox"/> Flammable Solid |
| <input type="checkbox"/> Oxidizer | <input type="checkbox"/> Medical (sharps, needles) | <input type="checkbox"/> Organic Peroxide |
| <input type="checkbox"/> phenolics | <input type="checkbox"/> Pesticide/Herbicide | <input type="checkbox"/> PFAS/PFOA |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> Profile Subpart P | <input type="checkbox"/> PUSO |
| | <input type="checkbox"/> RCRA Debris | |

REACTIVITY:

| | |
|--|--|
| <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive |
| <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Reactive (Other)/Temp Sensitive | |
| <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Shock Sensitive |
| <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive |

Others:

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): NONE

State Code(s): PA999

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's in THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical

Generator Knowledge

SDS

| METALS: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|--------------------|-------------------|---|----------|--------------------------|---|----------|
| | | Above Below Not Present | | | Above Below Not Present | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Antimony (Sb) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Beryllium (Be) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Cobalt (Co) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Copper (Cu) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Nickel (Ni) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Thallium (Tl) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | Vanadium (V) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| | | | | Zinc (Zn) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |

| VOLATILES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|---------------------------|-------------------|---|----------|---------------------------|---|----------|
| | | Above Below Not Present | | | Above Below Not Present | |
| D018 Benzene | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D029 1,1-Dichloroethylene | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D035 Methyl ethyl ketone | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D039 Tetrachloroethylene | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D040 Trichloroethylene | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D043 Vinyl Chloride | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|-----------------------|-------------------|---|----------|----------------------------------|---|----------|
| | | Above Below Not Present | | | Above Below Not Present | |
| D012 Endrin | 0.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D016 2,4-D | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D013 Lindane | 0.4 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D017 2,4,5-TP (Silvex) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D020 Chlordane | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D031 Hepachlor (& it's epoxides) | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | UOM | TCLP Limit (mg/l) | Range | UOM |
|--------------------------|-------------------|---|----------|----------------------------|---|----------|
| | | Above Below Not Present | | | Above Below Not Present | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D033 Hexachlorobutadiene | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D034 Hexachloroethane | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D036 Nitrobenzene | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D037 Pentachlorophenol | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D038 Pyridine | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D041 2,4,5-Trichlorophenol | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None | D042 2,4,6-Trichlorophenol | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | N/A None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:

Non-RCRA, Non-DOT Regulated Material,

Process Code(s): [Redacted]

Disposal Instructions/Comments: [Redacted]

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity: [Redacted]

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

DocuSigned by:
James R Atkinson
961D41A70CBD41E James R Atkinson Haz-waste Specialist 2/19/2024

Authorized Signature

Authorized Printed Name

Title

Date

WASTE PROFILE FORM

 Profile #: **NCS-214** Revision #: **5**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Mike Long** Email: **mdlong3@ncsu.edu** Phone: **(919) 515-6863** Fax: **(919) 515-6307**

Manifest ER Phone #: **(877) 577-2669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first):

TSDF Approval List: Yes No Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: WASTE DESCRIPTION Waste Common Name: **NCS-214 NON HAZ COATINGS AND PAINT (LATEX, ASPHALT, SEALER)**

Process generating Waste (be specific): **OLD DISCARDED PRODUCT**

Form: **W209 - Paint, ink, lacquer, or varnish (fluid - not dried out or sludge)**

Source: **G11 - Discarding off-specification or out-of-date chemicals or products (unused chemicals or products - corresponds to P and U hazardous waste codes)**

Origin: **1 - Generated on-site from a product process or service activity**

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF WASTE (@70°F)

| | | | |
|--|--|---|---|
| Layers: | Physical State | Specific Gravity (water=1, oil<1, sol >1) | Viscosity (Low-water, Med-oil, High-Honey) |
| <input type="checkbox"/> Multi-layered | Solid %: 0 | Est. ≥1, <1.2 | Actual Medium (Oil) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | <input type="checkbox"/> Debris <input type="checkbox"/> Monolith <input type="checkbox"/> Powder | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 0 | <input type="checkbox"/> Compressed Gas | Color: VARIES |
| | Water %: 0 | Pumpable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Odor: <input type="checkbox"/> None <input checked="" type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: petroleum | | |
| pH: <input type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input checked="" type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | | |
| Liquid Flash Point: <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input checked="" type="checkbox"/> >200° F <input type="checkbox"/> None | Actual: | | <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F |
| BTU/lbs range: <input type="checkbox"/> <2000 <input type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: N/A | |

D: CHEMICAL COMPOSITION OF WASTE

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|-------------------------------------|-------|-----|-----|-----|---------------------------|-------|-----|-----|-----|
| ASPHALT IN CANS/PAILS | Range | 0 | 100 | % | LATEX PAINT IN CANS/PAILS | Range | 0 | 100 | % |
| WATER BASED SWEALANTS IN CANS/PAILS | Range | 0 | 100 | % | | | | | |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **>10%**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

| | | |
|--|--|--|
| <input type="checkbox"/> Asbestos, Non-friable | <input type="checkbox"/> Ammonia | <input type="checkbox"/> Asbestos, Friable |
| <input type="checkbox"/> Dioxins | <input type="checkbox"/> APHIS Waste | <input type="checkbox"/> CERCLA |
| <input type="checkbox"/> Infectious | <input type="checkbox"/> Dust Hazard | <input type="checkbox"/> Flammable Solid |
| <input type="checkbox"/> Oxidizer | <input type="checkbox"/> Medical (sharps, needles) | <input type="checkbox"/> Organic Peroxide |
| <input type="checkbox"/> phenolics | <input type="checkbox"/> Pesticide/Herbicide | <input type="checkbox"/> PFAS/PFOA |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> Profile Subpart P | <input type="checkbox"/> PUSO |
| | <input type="checkbox"/> RCRA Debris | |

REACTIVITY:

| | |
|--|--|
| <input type="checkbox"/> Cyanide Reactive | <input type="checkbox"/> Explosive |
| <input type="checkbox"/> Polymerizes | <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Reactive (Other)/Temp Sensitive | |
| <input type="checkbox"/> Reactive Metals | <input type="checkbox"/> Shock Sensitive |
| <input type="checkbox"/> Sulfide Reactive | <input type="checkbox"/> Water Reactive |

Others

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No

EPA Exemption ref

EPA Waste Code(s): NONE

State Code(s): PA206

State Regulated Waste: Yes No

Generator State Universal Waste: Yes No

WA Designation:

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)?

yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical

Generator Knowledge

SDS

| METALS: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|--------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Antimony (Sb) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Beryllium (Be) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Hexavalent Chrome (Cr+6) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Cobalt (Co) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Copper (Cu) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D009 Mercury (Hg) | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Nickel (Ni) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Thallium (Tl) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Vanadium (V) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| | | | | | | | Zinc (Zn) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|---------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|---------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D018 Benzene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D029 1,1-Dichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D035 Methyl ethyl ketone | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D039 Tetrachloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D040 Trichloroethylene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D043 Vinyl Chloride | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| PESTICIDE/HERBICIDES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|-----------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|----------------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

| SEMI-VOLATILES: | TCLP Limit (mg/l) | Range | | | UOM | TCLP Limit (mg/l) | Range | | | UOM | | |
|--------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-----|-------------------|----------------------------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | | Above | Below | Not Present | | | Above | Below | Not Present | | | |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST including Technical constituents:

Non-RCRA, Non-DOT Regulated Material, (LATEX PAINT),

Process Code(s): [Redacted]

Disposal Instructions/Comments: [Redacted]

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity: [Redacted]

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

DocuSigned By: *James R. Atkinson* [Redacted] James R. Atkinson [Redacted] Haz-Waste Specialist [Redacted] 3/1/2024 [Redacted]

961D41A70CBD41E [Redacted]
Authorized Signature Authorized Printed Name Title Date

PROFILE FORM

Profile #: **NCS-221** Revision #: **4**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Karen Trimberger** Email: **katrimbe@ncsu.edu** Phone: **(919) 515-6859** Fax: **(919) 515-6307**

Manifest ER Phone #: **8775772669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first): **611310**

TSDF Approval List: Yes No Treatment/Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: MATERIAL DESCRIPTION Common Name: **LEAD PLUMBING MATERIALS CONTAMINATED W/TRACE MERCURY**

Generating Process (be specific): **GENERATED FROM LAB RENOVATIONS AND REMOVING OLD LEAD PIPES**

W002 - Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, other solids (usually from construction, demolition, cleaning, or remediation)

Form:

G09 - Other production or service-related processes from which the waste is a direct outflow or result (specify in comments)

Source:

1 - Generated on-site from a product process or service activity

Origin:

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF MATERIAL (@70°F)

| | | | |
|--|--|---|--|
| Layers: | Physical State | Specific Gravity | Viscosity |
| <input type="checkbox"/> Multi-layered | Solid %: 100 | oil <1, sol >1) | (water=1, High (Tar/Honey) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | | Actual: |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 0 | Est. N/A | High (Tar/Honey) |
| | Water %: 0 | Pumpable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Color: VARIES |
| Odor: <input checked="" type="checkbox"/> None <input type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: N/A | | |
| pH: <input type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input checked="" type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | | |
| Liquid Flash Point: <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input type="checkbox"/> >200° F <input checked="" type="checkbox"/> None | Actual: | | <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F |
| BTU/lbs range: <input type="checkbox"/> <2000 <input type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: N/A | |

D: CHEMICAL COMPOSITION OF MATERIAL

| Constituent | Key | Min | Max | UOM | Constituent | Key | Min | Max | UOM |
|------------------------------|------|-----|-----|-----|-------------|-------|-----|-------|-----|
| LEAD PIPES CUT INTO SECTIONS | = | | 100 | % | MERCURY | Range | 260 | 10000 | PPM |
| CONTAMINATED WITH TRACE: | Info | | | | | | | | |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **N/A**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

- Ammonia
- Asbestos, Friable
- Asbestos, Non-friable
- APHIS Waste
- CERCLA
- Dioxins
- Dust Hazard
- Flammable Solid
- Infectious
- Medical (sharps,needles)
- Organic Peroxide
- Oxidizer
- Pesticide/Herbicide
- PFAS/PFOA
- phenolics
- Profile Subpart P
- PUSO
- Radioactive
- RCRA Debris

REACTIVITY:

- Cyanide Reactive
 - Explosive
 - Polymerizes
 - Pyrophoric
 - Reactive (Other)/Temp Sensitive
 - Reactive Metals
 - Shock Sensitive
 - Sulfide Reactive
 - Water Reactive
- Others

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No EPA Exemption ref

EPA Waste Code(s): D008,D009

State Code(s):

State Regulated Waste: Yes No Generator State Universal Waste: Yes No WA Designation: DW

LANDFILL INFORMATION Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical Generator Knowledge SDS

METALS:

| | Range | UOM | | Range | UOM | | | | | | | | |
|--------------------|-------------------|-------------------------------------|--------------------------|-------------------------------------|-------|-------------|--------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | TCLP Limit (mg/l) | | | TCLP Limit (mg/l) | | | | | | | | | |
| | Above | Below | Not Present | Above | Below | Not Present | | | | | | | |
| D004 Arsenic (As) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Antimony (Sb) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D005 Barium (Ba) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Beryllium (Be) | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D006 Cadmium (Cd) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Hexavalent Chrome (Cr+6) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D007 Chromium (Cr) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Cobalt (Co) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D008 Lead (Pb) | 5.0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >5 | TCLP(MG/L) | Copper (Cu) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D009 Mercury (Hg) | 0.2 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | >0.2 | TCLP(MG/L) | Nickel (Ni) | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D010 Selenium (Se) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Thallium (Tl) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D011 Silver (Ag) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | Vanadium (V) | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| | | | | | | | Zinc (Zn) | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

VOLATILES:

| | Range | UOM | | Range | UOM | | | | | | | | |
|---------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-------|-------------|---------------------------|-------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | TCLP Limit (mg/l) | | | TCLP Limit (mg/l) | | | | | | | | | |
| | Above | Below | Not Present | Above | Below | Not Present | | | | | | | |
| D018 Benzene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D029 1,1-Dichloroethylene | 0.7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D035 Methyl ethyl ketone | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D021 Chlorobenzene | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D039 Tetrachloroethylene | 0.7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D022 Chloroform | 6.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D040 Trichloroethylene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D028 1,2-Dichloroethane | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D043 Vinyl Chloride | 0.2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

PESTICIDE/HERBICIDES:

| | Range | UOM | | Range | UOM | | | | | | | | |
|-------------------|-------------------|--------------------------|--------------------------|-------------------------------------|-------|-------------|----------------------------------|------|--------------------------|--------------------------|-------------------------------------|-----|------|
| | TCLP Limit (mg/l) | | | TCLP Limit (mg/l) | | | | | | | | | |
| | Above | Below | Not Present | Above | Below | Not Present | | | | | | | |
| D012 Endrin | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D016 2,4-D | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D013 Lindane | 0.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D017 2,4,5-TP (Silvex) | 1.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D014 Methoxychlor | 10.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D020 Chlordane | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D015 Toxaphene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D031 Hepachlor (& it's epoxides) | 0.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

SEMI-VOLATILES:

Range UOM

Range UOM

| | TCLP Limit | | | Range | UOM | | TCLP Limit | | | Range | UOM | | |
|--------------------------|------------|--------------------------|--------------------------|-------------------------------------|-----|------|----------------------------|--------|--------------------------|--------------------------|-------------------------------------|-------|-------------|
| | (mg/l) | Above | Below | | | | Not Present | (mg/l) | Above | | | Below | Not Present |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | 3.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | 400.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE BILL OF LADING OR HAZARDOUS WASTE MANIFEST INCLUDING TECHNICAL CONSTITUENTS.

NA3077, Hazardous waste, solid, n.o.s., (LEAD, MERCURY), 9, III, RQ(D008=10#,D009=1#), ERG(171)

Process Code(s):

Management Instructions/Comments:

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: Monthly Average Shipment Quantity:

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the material described herein. By signing this profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

Authorized Signature: _____ Authorized Printed Name: _____ Title: _____ Date: _____

PROFILE FORM

Profile #: **NCS-222** Revision #: **2**

A: GENERATOR INFORMATION Name: **North Carolina State University** GEN #: EPA ID#: **NCD000830737**

Site Address: **2620 Wolf Village Way** City: **Raleigh** State: **NC** Zip: **27695**

Mailing Address: **Campus Box 8007** City: **Raleigh** State: **NC** Zip: **27695**

Contact: **Karen Trimberger** Email: **katrimbe@ncsu.edu** Phone: **(919) 515-6859** Fax: **(919) 515-6307**

Manifest ER Phone #: **8775772669** Generator Subpart P: Yes No Various Generator: Yes No State ID#:

Generator Status: LQG SQG VSQG/CESQG NAICS code(s)(primary reporting first): **611310**

TSDF Approval List: Yes No Treatment/Disposal Restrictions:

CUSTOMER/BILLING/BROKER INFORMATION Same as Generating Facility address: Customer #:

Customer Name: **North Carolina State University** Phone:

Address: **CAMPUS BOX 8007** City: **RALEIGH** State: **NC** Zip: **27695-0001**

Contact: Email: **mdlong3@ncsu.edu** Fax:

B: MATERIAL DESCRIPTION Common Name: **ACTIVATED CARBON**

Generating Process (be specific): **It was used in a groundwater treatment system and the groundwater contained ppm levels of chloroform.**

W409 - Other organic solids (specify in comments)

Form:

G07 - Product and by-product processing (direct flow of wastes from chemical manufacturing or processing, etc.)

Source:

1 - Generated on-site from a product process or service activity

Origin:

Unused Commercial Product: Yes No Spill Residue: Yes No Loosepack: Yes No Lab Pack: Yes No

Generator has provided the following: Analysis Formulary SDS Sample

C: PHYSICAL CHARACTERISTICS OF MATERIAL (@70°F)

| | | | |
|--|--|---|--|
| Layers: | Physical State | Specific Gravity | Viscosity |
| <input type="checkbox"/> Multi-layered | Solid %: 100 | oil <1, sol >1) | (water=1, High-Honey) |
| <input type="checkbox"/> Bi-Layered | Sludge %: 0 | | |
| <input checked="" type="checkbox"/> Single Layered | Free Liquid %: 0 | Est. N/A | Actual N/A |
| | Water %: 0 | Pumpable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Color: gray/black |
| Odor: <input checked="" type="checkbox"/> None <input type="checkbox"/> Mild <input type="checkbox"/> Strong | Description: None | | |
| pH: <input type="checkbox"/> N/A <input type="checkbox"/> ≤2.0 <input type="checkbox"/> >2.01-4.00 <input checked="" type="checkbox"/> 4.01 - 10.00 <input type="checkbox"/> 10.01-12.49 <input type="checkbox"/> ≥12.5 | Actual: | | |
| Liquid Flash Point: <input type="checkbox"/> <73° F <input type="checkbox"/> 73<100° F <input type="checkbox"/> 100<140° F <input type="checkbox"/> 140-200° F <input checked="" type="checkbox"/> >200° F <input type="checkbox"/> None | Actual: | | <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F |
| BTU/lbs range: <input type="checkbox"/> <2000 <input type="checkbox"/> 2000-5000 <input type="checkbox"/> >5001-10,000 <input type="checkbox"/> >10,000 | Boiling Point: <input type="checkbox"/> ≤95° F <input type="checkbox"/> >95° F | Halogens %: N/A | |

D: CHEMICAL COMPOSITION OF MATERIAL

| Constituent | Key | Min | Max | UOM |
|---------------------------|-----|-----|-----|-----|
| Granular Activated Carbon | = | 100 | | % |

E: ADDITIONAL INFORMATION:

PCB Yes No VOC (ppm) **No selection** TOC **>10%**

PCB TSCA Regulated Yes No Subject to Subpart CC: Yes No

CHECK ALL THAT MAY APPLY:

- Ammonia
- Asbestos, Friable
- Asbestos, Non-friable
- APHIS Waste
- CERCLA
- Dioxins
- Dust Hazard
- Flammable Solid
- Infectious
- Medical (sharps,needles)
- Organic Peroxide
- Oxidizer
- Pesticide/Herbicide
- PFAS/PFOA
- phenolics
- Profile Subpart P
- PUSO
- Radioactive
- RCRA Debris

REACTIVITY:

- Cyanide Reactive
 - Explosive
 - Polymerizes
 - Pyrophoric
 - Reactive (Other)/Temp Sensitive
 - Reactive Metals
 - Shock Sensitive
 - Sulfide Reactive
 - Water Reactive
- Others

F: USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

Federal Universal Waste: Yes No EPA Exemption ref

EPA Waste Code(s): D022

State Code(s):

State Regulated Waste: Yes No Generator State Universal Waste: Yes No WA Designation: DW

LANDFILL INFORMATION Waste Subject to Land Disposal Restrictions (LDR)? yes No

This waste is a Waste water (TOC<1%, TSS<1%) Non-waste water

IDENTIFY ALL UHC's IN THIS WASTESTREAM :

G: REGULATED CONSTITUENTS:

Check any regulated constituent above regulatory limit and note value. Check source(s) used :

Source(s): Analytical Generator Knowledge SDS

METALS:

| | Range | UOM | Range | UOM | | |
|--------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|-----|-----------|
| | TCLP Limit (mg/l) | | TCLP Limit (mg/l) | | | |
| | Above | Below | Not Present | | | |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| D004 Arsenic (As) | 5.0 | N/A | Total ppm | Antimony (Sb) | N/A | None |
| D005 Barium (Ba) | 100.0 | N/A | Total ppm | Beryllium (Be) | N/A | None |
| D006 Cadmium (Cd) | 1.0 | N/A | Total ppm | Hexavalent Chrome (Cr+6) | N/A | None |
| D007 Chromium (Cr) | 5.0 | N/A | Total ppm | Cobalt (Co) | N/A | None |
| D008 Lead (Pb) | 5.0 | N/A | Total ppm | Copper (Cu) | N/A | Total ppm |
| D009 Mercury (Hg) | 0.2 | N/A | Total ppm | Nickel (Ni) | N/A | Total ppm |
| D010 Selenium (Se) | 1.0 | N/A | Total ppm | Thallium (Tl) | N/A | Total ppm |
| D011 Silver (Ag) | 5.0 | N/A | Total ppm | Vanadium (V) | N/A | None |
| | | | | Zinc (Zn) | N/A | Total ppm |

VOLATILES:

| | Range | UOM | Range | UOM | | | |
|---------------------------|--------------------------|--------------------------|-------------------------------------|---------------------------|-------|-----|------|
| | TCLP Limit (mg/l) | | TCLP Limit (mg/l) | | | | |
| | Above | Below | Not Present | | | | |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |
| D018 Benzene | 0.5 | N/A | None | D029 1,1-Dichloroethylene | 0.7 | N/A | None |
| D019 Carbon Tetrachloride | 0.5 | N/A | None | D035 Methyl ethyl ketone | 200.0 | N/A | None |
| D021 Chlorobenzene | 100.0 | N/A | None | D039 Tetrachloroethylene | 0.7 | N/A | None |
| D022 Chloroform | 6.0 | >6 | TCLP(MG/L) | D040 Trichloroethylene | 0.5 | N/A | None |
| D028 1,2-Dichloroethane | 0.5 | N/A | None | D043 Vinyl Chloride | 0.2 | N/A | None |

PESTICIDE/HERBICIDES:

| | Range | UOM | Range | UOM | | | |
|-------------------|--------------------------|--------------------------|-------------------------------------|----------------------------------|------|-----|------|
| | TCLP Limit (mg/l) | | TCLP Limit (mg/l) | | | | |
| | Above | Below | Not Present | | | | |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |
| D012 Endrin | 0.0 | N/A | None | D016 2,4-D | 10.0 | N/A | None |
| D013 Lindane | 0.4 | N/A | None | D017 2,4,5-TP (Silvex) | 1.0 | N/A | None |
| D014 Methoxychlor | 10.0 | N/A | None | D020 Chlordane | 0.0 | N/A | None |
| D015 Toxaphene | 0.5 | N/A | None | D031 Hepachlor (& it's epoxides) | 0.0 | N/A | None |

SEMI-VOLATILES:

Range UOM

Range UOM

| | TCLP Limit | | | Range | UOM | | TCLP Limit | | | Range | UOM | | |
|--------------------------|------------|--------------------------|--------------------------|-------------------------------------|-----|------|----------------------------|--------|--------------------------|--------------------------|-------------------------------------|-------|-------------|
| | (mg/l) | Above | Below | | | | Not Present | (mg/l) | Above | | | Below | Not Present |
| D023 o-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D033 Hexachlorobutadiene | 0.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D024 m-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D034 Hexachloroethane | 3.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D025 p-Cresol | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D036 Nitrobenzene | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D026 Cresol (Total) | 200.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D037 Pentachlorophenol | 100.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D027 1,4-Dichlorobenzene | 7.5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D038 Pyridine | 5.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D030 2,4-Dinitrotoluene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D041 2,4,5-Trichlorophenol | 400.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |
| D032 Hexachlorobenzene | 0.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None | D042 2,4,6-Trichlorophenol | 2.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A | None |

H: SHIPPING INFORMATION:

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE BILL OF LADING OR HAZARDOUS WASTE MANIFEST INCLUDING TECHNICAL CONSTITUENTS.

UN3077, Waste Environmentally hazardous substance, solid, n.o.s., (CHLOROFORM), 9, III, ERG(171)

Process Code(s):

Management Instructions/Comments:

Method of Shipment: Bulk Liquid Bulk Solid Container (type/size): 55

Shipping Frequency: As Needed Average Shipment Quantity:

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the material described herein. By signing this profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

Authorized Signature: _____ Authorized Printed Name: _____ Title: _____ Date: _____