



Con 12-1-1  
Doc # 71729

77-SOP-01-72  
SWA

## STATE OF IOWA

CHESTER J. CULVER, GOVERNOR  
PATTY JUDGE, LT. GOVERNOR

DEPARTMENT OF NATURAL RESOURCES  
RICHARD A. LEOPOLD, DIRECTOR

June 26, 2007

To: DEAN HULSEBUS  
DEE ZEE MANUFACTURING  
1572 NE 58<sup>TH</sup> STREET  
DES MOINES, IA 50313

BECKY WEHRMAN  
METRO WASTE AUTHORITY  
225 PRAIRE DR. SW  
BONDURANT, IA 50032

Re: New Special Waste Authorization #77-SWA-16-07

The following special waste authorization (SWA) applies ONLY to the waste generator addressed above. This authorization allows the waste generator to dispose of the special waste referenced in accordance with the instructions, conditions and limitations contained in this SWA. A copy of this SWA must accompany the hauler to the landfill. The waste generator shall notify the department and landfill, prior to disposal, of any change in the characteristics of the special waste being disposed.

The issuance of an SWA does not obligate any waste disposal facility to accept the waste nor does it preclude the facility from imposing restrictions other than those listed in the SWA. The landfill has the final decision whether to accept the special waste. The issuance of an SWA does not exempt the waste generator from any local, state or federal laws or regulations. The department may revoke an SWA for cause at any time.

**WASTE & VOLUME:** Approximately 600 pounds of filters for quarterly disposal, resulting from industrial waste water treatment process and 300 lbs. for immediate disposal.

**GENERATOR:** Dee Zee Manufacturing  
Dean Hulsebus (515) 265-7331

**ISSUE DATE:** June 26, 2007

**EXPIRATION DATE:** June 26, 2010

**DISPOSAL SITE:** Metro Park East Sanitary Landfill, #77-SDP-01-72

**SWA CONTACT:** Becky Wehrman, 515-967-5512

Authorized by:

  
Environmental Specialist  
Energy & Waste Management Bureau

If you have questions regarding this authorization, please contact Sue Johnson at (515) 281-7982.

Cc: Iowa DNR Field Office #5, Des Moines, IA

77-SWA-16-07

**Metro Waste Authority**  
**MPE Special Waste Entry Form**

- ☒ This is a new job.  
☐ This is an update to an existing job.

 DNR Permit Number

**Set Up Jobs**
Customer 

Description

Job # 

MWA Contact Person

Out of Service

Area

**Job Details**
**Waste Generator Data**
Start date 

Waste Generator

Stop date 

Generator address 1

Material 

Generator address 2

Rate 

Telephone

Maximum quantity 

Customer Billed

Current Amount 

Hauler

**COMMENTS**
Does handling charge apply ? ☐ Yes ☐ No

Special handling instructions:

**MATERIAL CODES**

|             |                             |
|-------------|-----------------------------|
| SW ASB F    | Friable Asbestos            |
| SW ASB NF   | Non-friable Asbestos        |
| SW ANIMALS  | Dead Animals                |
| SW ASH      | Incinerator Ash             |
| <b>SW B</b> | Class B - Special           |
| SW CS       | Contaminated Soil           |
| SW MEDICAL  | Processed Medical           |
| SW PCS      | Petroleum Contaminated Soil |
| SW SAND     | Waste Sand                  |
| SW SLUDGE   | Sludge/grit/screening       |

**APPROVALS**
  
Environmental Tech Services Mgr

Date

6/21/07

Data Entry

Date

Landfill Manager

Date

Data Entry Verification

Date



IOWA DEPARTMENT OF NATURAL RESOURCES  
REQUEST FOR SPECIAL WASTE  
AUTHORIZATION



Check one of the following: ☒ New Application ☐ Renewal, Existing SWA # \_\_\_\_\_

The intent of a special waste authorization is to provide safe and proper management for disposal of wastes which present a threat to human health or the environment or a waste with inherent properties which make the disposal of the waste in a sanitary landfill difficult to manage. It is each landfill's responsibility to inform the waste generator if a waste should be handled as a special waste and to ensure that special wastes delivered to the landfill conform to the Special Waste Acceptance Criteria (SWAC) on file with the Department. It is the Department's responsibility to review each application for a special waste authorization to verify that the proposed waste can be landfilled under the current regulations in Iowa.

**READ THE FOLLOWING INSTRUCTIONS BEFORE COMPLETING THIS APPLICATION**

**Waste Generator:**

1. Complete Sections 1-3 of this application applicable to the waste characterization and disposal information.
2. Attach Toxicity Characteristic Leaching Procedure (TCLP) test results, material safety data sheet(s) (MSDS), or evidence of "processor knowledge" when appropriate that demonstrates the waste is not considered a characteristic hazardous waste exhibiting the properties of flammability, corrosivity, reactivity or toxicity or a listed hazardous waste as defined in 40 CFR Part 261, Subpart D.
3. Provide signature in Section 3 to verify that the information provided is true, accurate and complete.
4. Mail or deliver 3 copies of the completed application with attachments to the requested disposal destination (must be a landfill that is authorized to accept waste from the service area of where the waste was generated). Please contact Sue Johnson at (515) 281-7982 for a list of landfills authorized to accept waste from the service area in which your facility is located.

**Receiving Landfill:**

Prior review of this application by the receiving landfill allows the department to more quickly process and evaluate the application.

1. Complete Section 5 of this application applicable to the landfill.
2. Indicate by signing the application that the landfill is willing to accept the waste if a Special Waste Authorization is issued by the department and if instructions for disposal of the waste, as contained in the landfill's SWAC, are followed by the generator.
3. Attach SWAC procedures for disposal of the waste.
4. Keep 1 copy for your records and submit the remaining 2 copies of the completed application with attachments (TCLP, MSDS, SWAC, etc.) to the department at the following address:

Planning, Permitting & Engineering Services Section  
Energy & Waste Management Bureau  
Iowa Department of Natural Resources  
502 East 9<sup>th</sup> Street  
Des Moines, IA 50319

Applications will be considered incomplete if not signed by both the waste generator and receiving landfill. The receiving landfill must attach a copy of the SWAC for the particular waste for which the application has been submitted.

Written notification of approval or rejection will be mailed or faxed to the generator and landfill. If approved, a copy of the authorization must accompany the waste hauler to the landfill.

For questions concerning this application contact Sue Johnson at (515) 281-7982 or [susan.johnson@dnr.state.ia.us](mailto:susan.johnson@dnr.state.ia.us).

## SECTION 1: WASTE GENERATOR INFORMATION

Name of Primary Contact\* Dean Hulsebus Title Project Manager

\*SWA approvals will be sent to this person at the address provided below.

Company Name Dee Zee Manufacturing

Mailing Address 1572 NE 58<sup>th</sup> St.

City Des Moines State IA Zip Code 50313

Telephone # 515-265-7331 Fax # 515-265-2105

Address or location of the point of generation of the waste, if different from the company address:

Address same

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

## SECTION 2: WASTE CHARACTERIZATION

Waste determined to be hazardous may not be landfilled in Iowa. Attach TCLP analysis that demonstrates the waste is not considered hazardous. For raw or virgin materials being disposed of, a MSDS that indicates the waste is not hazardous may be submitted in lieu of a TCLP analysis.

The generator may also apply knowledge of the hazardous characteristic(s) of the waste in light of the materials or the processes used ("knowledge of process"). In order to use knowledge to characterize the waste, the knowledge that is applied must be valid and verifiable and the generator must be able to demonstrate the basis for their claim by providing supporting information to justify that conclusion.

Name and description of waste:

Filters resulting from industrial waste water treatment process. TCLP analysis is attached showing material as non hazardous

Has any pretreatment been utilized? If so, please describe the pretreatment process:

none

List the alternatives to disposal that were analyzed and reason not utilized (*attach extra sheets if necessary*):

No alternatives have been identified.

**SECTION 2: WASTE CHARACTERIZATION (Continued)**

|   |                            |            |   |
|---|----------------------------|------------|---|
| Physical state at room temperature?<br><b>X</b> Solid <input type="checkbox"/> Semi-Solid <input type="checkbox"/> Liquid   | Percent (%) Solid:<br>100% | pH:<br>5.2 | Flashpoint:<br>NA                           |
| Does this waste pass the paint filter liquids test?<br><br>Free liquids are prohibited from landfill disposal. Free liquids are defined as the liquid produced when a 100-millimeter or 100-gram representative sample is placed on a standard mesh number 60 (fine mesh size) conical paint filter for five minutes. |                            |            | <b>X</b> Yes<br><input type="checkbox"/> No |
| Is this waste a listed hazardous waste as identified in 40 CFR 261, Subpart D? Refer to the following web link to find listed hazardous wastes: <a href="http://www.gpoaccess.gov/cfr/index.html">http://www.gpoaccess.gov/cfr/index.html</a>   |                            |            | <input type="checkbox"/> Yes<br><b>X</b> No |
| Does this waste exhibit the property of <i>ignitability</i> as defined in 40 CFR 261, Subpart C?  |                            |            | <input type="checkbox"/> Yes<br><b>X</b> No |
| Does this waste exhibit the property of <i>corrosivity</i> as defined in 40 CFR 261, Subpart C?   |                            |            | <input type="checkbox"/> Yes<br><b>X</b> No |
| Does this waste exhibit the property of <i>reactivity</i> as defined in 40 CFR 261, Subpart C?  |                            |            | <input type="checkbox"/> Yes<br><b>X</b> No |
| Does this waste exhibit the property of <i>toxicity</i> as defined in 40 CFR 261, Subpart C?  |                            |            | <input type="checkbox"/> Yes<br><b>X</b> No |

**SECTION 3: WASTE DISPOSAL INFORMATION**

Indicate the proposed disposal location and if this is a request for an on going disposal of a special waste or a one-time disposal. If on going, indicate the approximate amount in pounds to be disposed of quarterly.

|  |
|--|
| Landfill Name* <u>Metro Waste Authority</u>  |
| <small>*List only a landfill that is authorized to accept waste from the service area of where the waste was generated. Sue Johnson at (515) 281-7982 or <a href="mailto:susan.johnson@dnr.state.ia.us">susan.johnson@dnr.state.ia.us</a> for a list of landfills authorized to accept waste from your facility.</small> |
| <b>X</b> On going (or intermittent) with an average disposal rate per quarter of <u>600 lbs</u> pounds<br><br>Indicate the amount on hand to be disposed of immediately: <u>300 lbs</u> pounds<br><br><input type="checkbox"/> One time only, with an estimated quantity of _____ pounds                                 |

#### SECTION 4: WASTE GENERATOR CERTIFICATION

" I certify under penalty of law (§455B.417.1(c), Code of Iowa) that I have examined and am familiar with the information submitted in this document concerning hazardous waste, and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. "

Applicant Signature: See attached

Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

#### SECTION 5: LANDFILL INFORMATION

The following section is to be completed by the receiving landfill. By signing below, the landfill verifies that the application has been examined and if approved by the department, is willing to accept the waste described within, provided that instructions for disposal of the waste, as contained in the landfill's Special Waste Acceptance Criteria, are followed by the generator.

Prior review of this application by the receiving landfill will allow the department to more quickly process and evaluate the application. Please address the following:

Indicate the properties that lead you to believe this is a special waste:

This product meets the criteria for the MWA SWAC for spent activated carbon filters. These filters use zinc as the active filtration media resulting in a slight variance from the SWAC, but the properties are very similar and both result from industrial water treatment processes. To assure that these are fully dried and meet TCLP requirements, MWA will manage these as a special waste under the parameters listed in this SWAC (see attached)

Indicate any special handling procedures that the waste generator must follow prior to delivery at the landfill:

As indicated in SWAC for spent activated carbon filters.

Name of Responsible Official\*: Rebecca Wehrman

*\*SWA approvals will be sent to this person at the address given below.*

Solid Waste Agency Name Metro Waste Authority

Mailing Address 225 Prairie Dr. SW

City Bondurant State IA Zip Code 50035

Telephone # 515-967-5512 Fax # 515-967-1772

Responsible Official Signature: [Signature] Date: 6/22/07

**SECTION 4: WASTE GENERATOR CERTIFICATION**

"I certify under penalty of law (§455B.417.1(c), Code of Iowa) that I have examined and am familiar with the information submitted in this document concerning hazardous waste, and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete."

Applicant Signature: Dean D. HulsebusDate: June 22, 2007Printed Name: Dean D. HulsebusTitle: EMS Rep**SECTION 5: LANDFILL INFORMATION**

The following section is to be completed by the receiving landfill. By signing below, the landfill verifies that the application has been examined and if approved by the department, is willing to accept the waste described within, provided that instructions for disposal of the waste, as contained in the landfill's Special Waste Acceptance Criteria, are followed by the generator.

Prior review of this application by the receiving landfill will allow the department to more quickly process and evaluate the application. Please address the following:

Indicate the properties that lead you to believe this is a special waste:

This product meets the criteria for the MWA SWAC for spent activated carbon filters. These filters use zinc as the active filtration media resulting in a slight variance from the SWAC, but the properties are very similar and both result from industrial water treatment processes. To assure that these are fully dried and meet TCLP requirements, MWA will manage these as a special waste under the parameters listed in this SWAC (see attached)

Indicate any special handling procedures that the waste generator must follow prior to delivery at the landfill:

As indicated in SWAC for spent activated carbon filters.

Name of Responsible Official\*: Rebecca Wehrman

\*SWA approvals will be sent to this person at the address given below.

Solid Waste Agency Name Metro Waste AuthorityMailing Address 225 Prairie Dr. SWCity BondurantState IAZip Code 50035Telephone # 515-967-5512Fax # 515-967-1772

Responsible Official Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Accreditations:  
Iowa DNR: 095  
New Jersey DEP: 1A001  
Kansas DHE: E-10287

## ANALYTICAL REPORT

May 31, 2007

Work Order: 17E1056

Page 1 of 1

| Report To   |
|---|
| Dean D. Hulsebus<br>Dee Zee Manufacturing<br>1572 NE 58th Ave<br>Des Moines, IA 50313 |

| Work Order Information  |
|---|
| Date Received: 05/22/2007 4:49PM<br>Collector:<br>Phone: (515) 265-7331<br>PO Number: |

Project: Water Analysis  
Project Number: Wastewater

| Analyte          | Result        | MRL     | Batch   | Method       | Analyst | Analyzed                  | Qualifier |
|------------------|---------------|---------|---------|--------------|---------|---------------------------|-----------|
| 17E1056-01       | Water Filter  |         |         | Matrix:Solid |         | Collected: 05/18/07 08:30 |           |
| Arsenic (TCLP)   | <0.200 mg/l   | 0.200   | 1E73023 | EPA 6010B    | RVV     | 05/31/07 11:52            |           |
| Barium (TCLP)    | 0.540 mg/l    | 0.100   | 1E73023 | EPA 6010B    | RVV     | 05/31/07 11:52            |           |
| Cadmium (TCLP)   | <0.050 mg/l   | 0.050   | 1E73023 | EPA 6010B    | RVV     | 05/31/07 11:52            |           |
| Chromium (TCLP)  | <0.050 mg/l   | 0.050   | 1E73023 | EPA 6010B    | RVV     | 05/31/07 11:52            |           |
| Lead (TCLP)      | <0.050 mg/l   | 0.050   | 1E73023 | EPA 6010B    | RVV     | 05/31/07 11:52            |           |
| Mercury (TCLP)   | <0.00500 mg/l | 0.00500 | 1E73011 | EPA 7470A    | MAQ     | 05/30/07 16:24            |           |
| Selenium (TCLP)  | <0.200 mg/l   | 0.200   | 1E73023 | EPA 6010B    | RVV     | 05/31/07 11:52            |           |
| Silver (TCLP)    | <0.100 mg/l   | 0.100   | 1E73023 | EPA 6010B    | RVV     | 05/31/07 11:52            |           |
| TCLP pH, Initial | 4.9 pH        |         | 1E72917 | EPA 1311     | RVV     | 05/30/07 8:20             |           |
| TCLP pH, Final   | 5.2 pH        |         | 1E72917 | EPA 1311     | RVV     | 05/30/07 8:20             |           |

End of Report

*Sue Thompson*

Keystone Laboratories, Inc.  
Sue Thompson  
Project Manager I



|   |  |
|---|--|
| <p><b>Sludges</b></p> <p>Examples: Bar screenings; Grease skimmings.</p>                        | <p><b>Instructions:</b></p> <ol style="list-style-type: none"> <li>1. The generator must contact the Metro Waste Authority to request a Special Waste application form and to determine what analytical tests and packaging requirements shall be required before disposal.</li> <li>2. The generator must complete required MWA forms and receive a disposal permit from MWA.</li> <li>3. The generator shall pre-arrange a delivery schedule with the landfill operator.</li> <li>4. MWA may limit deliveries if waste volumes or operating hours dictate.</li> <li>5. Large deliveries will be scheduled far enough in advance to give the Landfill operator time to prepare.</li> <li>6. The generator shall stabilize all waste to destroy any pathogenic organisms prior to disposal at the landfill. Stabilization can be done by addition of lime to raise the pH to at least 12 for 2 hours.</li> <li>7. All waste must be thoroughly dewatered before delivery.</li> <li>8. The generator and hauler shall take appropriate measures to limit excessive fugitive dust emission during transportation and disposal.</li> <li>9. All wastes must be subjected to and pass the required TCLP for suspected contaminants, pH, and flashpoint testing.</li> <li>10. Special waste delivered to the Landfill shall arrive as a separate load and may not be commingled with any other waste.</li> <li>11. The hauler shall identify the waste to the scale operator and present a copy of the disposal permit upon arrival at the landfill.</li> <li>12. The scale operator shall direct the hauler to the working face.</li> <li>13. The MWA staff working at the daily disposal cell shall visually inspect the waste to determine that the delivered waste meets the requirements of the disposal permit.</li> <li>14. The waste shall be placed in a hole constructed at the working face and buried to avoid pushing of waste.</li> <li>15. Waste will be appropriately covered with refuse or daily cover soil to minimize fugitive dust.</li> </ol> <p><b>NOTES:</b></p> <p>The waste can not contain any free liquids and must be able to pass the paint filter test, Method 9095, as found in the U.S. EPA publication SW-846, Third Edition, Test Methods for Evaluating Solid Waste.</p> <p>Generators must perform additional analysis when process or raw material changes are made which affect the characterization of these wastes.</p> <p>The generator has the full responsibility of adequately proving the waste is non-hazardous before waste is delivered to the Landfill.</p> |
| <p><b>Spent Activated Carbon Filters</b></p> <p>Example: Contaminated water carbon filters.</p> | <p><b>Instructions:</b></p> <ol style="list-style-type: none"> <li>1. The generator must contact the Metro Waste Authority to request a Special Waste application form and to determine what analytical tests and packaging requirements shall be required before disposal.</li> <li>2. The generator must complete required MWA forms and receive a disposal permit from MWA.</li> <li>3. The generator shall pre-arrange a delivery schedule with the landfill operator.</li> <li>4. MWA may limit deliveries if waste volumes or operating hours dictate.</li> <li>5. All wastes must be subjected to and pass a TCLP test for suspected contaminants.</li> <li>6. Special waste delivered to the Landfill shall arrive as a separate load and may not be commingled with any other waste.</li> <li>7. The hauler shall identify the waste to the scale operator and present a copy of the disposal permit upon arrival at the landfill.</li> <li>8. The scale operator shall direct the hauler to the working face.</li> <li>9. The MWA staff working at the daily disposal cell shall visually inspect the waste to determine that the delivered waste meets the requirements of the disposal permit.</li> <li>10. The waste shall be placed in a hole constructed at the disposal area and buried to avoid pushing of waste.</li> <li>11. The waste will be appropriately covered with refuse or daily soil cover.</li> </ol> <p><b>NOTES:</b></p> <p>The waste can not contain any free liquids and must be able to pass the paint filter test, Method 9095, as found in the U.S. EPA publication SW-846, Third Edition, Test Methods for Evaluating Solid Waste.</p> <p>Generators must perform additional analysis when process or raw material changes are made which affect the characterization of these wastes.</p> <p>The generator has the full responsibility of adequately proving the waste is non-hazardous before waste is delivered to the Landfill.</p>  |