



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 (2) 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) 725-8317 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 one copy of the completed application with attachments (TCLP, MSDS, SWAC, etc.) to the department at the following address:

Iowa Department of Natural Resources
Land Quality Bureau- Attn: Susan Johnson
502 East 9th Street
Des Moines, IA 50319-0034

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) 725-8317 or susan.johnson@dnr.iowa.gov

SECTION 1: WASTE GENERATOR INFORMATION

Name of Primary Contact* Cory Piper		Title	
*SWA approvals will be sent to this person at the address provided below.			
Company Name Syngenta			
Mailing Address 2349 330th Street			
City Slater	State IA	Zip Code 50244	
Telephone # 515-508-0787	Fax #		
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:			
Seed treatment dust collected during maintenance activities on hoppers, conveyors, and other equipment.			
Has any pretreatment been utilized? If so, please describe the pretreatment process:			
No			
List the alternatives to disposal that were analyzed and reason not utilized (attach extra sheets if necessary):			
Incineration/waste-to-fuel options explored, but deemed to be cost prohibitive due to the relatively small volume of waste generated, and the lack of local incineration capabilities.			
Physical state at room temperature?		Percent (%) Solid:	Flashpoint:
☒ Solid ☐ Semi-Solid ☐ Liquid		100	Solid >200
Does this waste pass the paint filter liquids test?			☒ Yes ☐ No
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.			
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: http://www.gpoaccess.gov/cfr/index.html			☐ Yes ☒ No

SECTION 2: WASTE CHARACTERIZATION (Continued)

Does this waste exhibit the property of <i>ignitability</i> as defined in 40 CFR 261, Subpart C?	☐ Yes ☒ No
Does this waste exhibit the property of <i>corrosivity</i> as defined in 40 CFR 261, Subpart C?	☐ Yes ☒ No
Does this waste exhibit the property of <i>reactivity</i> as defined in 40 CFR 261, Subpart C?	☐ Yes ☒ No
Does this waste exhibit the property of <i>toxicity</i> as defined in 40 CFR 261, Subpart C?	☐ Yes ☒ 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* Boone County Landfill

*List only a landfill that is authorized to accept waste from the service area of where the waste was generated. Sue Johnson at (515) 725-8317 or susan.johnson@dnr.iowa.gov for a list of landfills authorized to accept waste from your facility.

☒ On going (or intermittent) with an average disposal rate per quarter of 10,000 Annual pounds

Indicate the amount on hand to be disposed of immediately: _____ pounds

☐ 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: [Signature] Date: 06/08/2026

Printed Name: Cory Piper Title: HSE Lead

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 waste is not included in the definition of MSW or C&D waste.

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

Please contact the landfill prior to hauling.
Restriction for disposal to non-windy, non-rainy days.

Name of Responsible Official*: John Roosa

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

Solid Waste Agency Name Boone County Landfill

Mailing Address 1268 224th Lane

City Boone State Iowa Zip Code 50036

Telephone # 515-433-0591 Fax# jroosa@boonecounty.iowa.gov

Responsible Official Signature: [Signature] Date: 6/18/26



WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH828754

A. GENERAL INFORMATION
GENERATOR EPA ID #/REGISTRATION #
GENERATOR CODE (Assigned by Clean Harbors)
ADDRESS
CUSTOMER CODE (Assigned by Clean Harbors)
ADDRESS

IAD981706583
SY0958
2349 330th Street
SY0958
2349 330th Street

GENERATOR NAME:
CITY
STATE/PROVINCE
ZIP/POSTAL CODE

Syngenta Seeds
Slater
IA
50244

PHONE: **(515) 685-5197**
Syngenta Seeds
IA
50244

B. WASTE DESCRIPTION
WASTE DESCRIPTION:
PROCESS GENERATING WASTE:
IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER ?

Red Dust
Processing and treating seed corn.
No

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE

☒ SOLID WITHOUT FREE LIQUID
☒ POWDER
MONOLITHIC SOLID
LIQUID WITH NO SOLIDS
LIQUID/SOLID MIXTURE
% FREE LIQUID
% SETTLED SOLID
% TOTAL SUSPENDED SOLID
SLUDGE
GAS/AEROSOL

NUMBER OF PHASES/LAYERS

123TOP
% BY VOLUME (Approx.)MIDDLE
BOTTOM

0.00
0.00
0.00

ODOR

NONE
☒ MILD
STRONG
Describe:

BOILING POINT °F (°C)
≤ 95 (≤35)
95 - 100 (35-38)
101 - 129 (38-54)
≥ 130 (>54)

VISCOSITY (If liquid present)

1 - 100 (e.g. Water)
101 - 500 (e.g. Motor Oil)
501 - 10,000 (e.g. Molasses)
> 10,000

MELTING POINT °F (°C)
≤ 140 (≤60)
140-200 (60-93)
☒ > 200 (>93)

COLOR
varies

TOTAL ORGANIC CARBON
≤ 1%
1-9%
☒ ≥ 10%

FLASH POINT °F (°C)
≤ 73 (≤23)
73 - 100 (23-38)
101 -140 (38-60)
141 -200 (60-93)
> 200 (>93)

pH
≤ 2
☒ 2.1 - 6.9
7 (Neutral)
7.1 - 12.4
≥ 12.5

SPECIFIC GRAVITY
≤ 0.8 (e.g. Gasoline)
0.8-1.0 (e.g. Ethanol)
☒ 1.0 (e.g. Water)
1.0-1.2 (e.g. Antifreeze)
> 1.2 (e.g. Methylene Chloride)

ASH
≤ 0.1
0.1 - 1.0
1.1 - 5.0
5.1 - 20.0
☒ > 20
Unknown

BTU/LB (MJ/kg)
≤ 2,000 (≤4.6)
☒ 2,000-5,000 (4.6-11.6)
5,000-10,000 (11.6-23.2)
> 10,000 (>23.2)
Actual:

D. COMPOSITION
(List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	--	MAX	UOM
ABAMECTIN	16.0000000	--	28.0000000	%
AZOXYSTROBIN	16.0000000	--	28.0000000	%
COLORANT	3.0000000	--	5.0000000	%
FLORITE 1197	32.0000000	--	56.0000000	%
FLUDIOXONIL	16.0000000	--	28.0000000	%
MEFENOXAM	16.0000000	--	28.0000000	%
THIABENDAZOLE	16.0000000	--	28.0000000	%
THIAMETHOXAM	16.0000000	--	28.0000000	%

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")?

YES

☒

NO

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM?

YES

☒

NO

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL?

YES

☒

NO

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material.

YES

NO

Chemical disinfection or some other form of sterilization has been applied to the waste.

YES

NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS.

YES

NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED.

YES

NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE.

G09

SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE.

W319

Report Printed On : Thursday, January 03, 2019

/WINWEB/Profile/Waste Profile.rdl

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E. CONSTITUENTS

Are these values based on testing or knowledge? ☒ Knowledge ☐ Testing

If based on knowledge, please describe in detail, the rationale applied to identify and characterize the waste material. Please include reference to Material Safety Data Sheets (MSDS) when applicable. Include the chemical or trade-name represented by the MSDS, and or detailed process or operating procedures which generate the waste.

Derived from a seed treatment profile developed by Safety-Kleen and a treatment calculator used by Syngenta treater operator.

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE	
D004	ARSENIC	5.0				☒	
D005	BARIUM	100.0				☒	
D006	CADMIUM	1.0				☒	
D007	CHROMIUM	5.0				☒	
D008	LEAD	5.0				☒	
D009	MERCURY	0.2				☒	
D010	SELENIUM	1.0				☒	
D011	SILVER	5.0				☒	
VOLATILE COMPOUNDS			OTHER CONSTITUENTS		MAX	UOM	NOT APPLICABLE
D018	BENZENE	0.5		BROMINE			☒
D019	CARBON TETRACHLORIDE	0.5		CHLORINE			☒
D021	CHLOROBENZENE	100.0		FLUORINE			☒
D022	CHLOROFORM	6.0		IODINE			☒
D028	1,2-DICHLOROETHANE	0.5		SULFUR			☒
D029	1,1-DICHLOROETHYLENE	0.7		POTASSIUM			☒
D035	METHYL ETHYL KETONE	200.0		SODIUM			☒
D039	TETRACHLOROETHYLENE	0.7		AMMONIA			☒
D040	TRICHLOROETHYLENE	0.5		CYANIDE AMENABLE			☒
D043	VINYL CHLORIDE	0.2		CYANIDE REACTIVE			☒
SEMI-VOLATILE COMPOUNDS			CYANIDE TOTAL				☒
D023	o-CRESOL	200.0		SULFIDE REACTIVE			☒
D024	m-CRESOL	200.0					
D025	p-CRESOL	200.0					
D026	CRESOL (TOTAL)	200.0					
D027	1,4-DICHLOROBENZENE	7.5					
D030	2,4-DINITROTOLUENE	0.13					
D032	HEXACHLOROBENZENE	0.13					
D033	HEXACHLOROBUTADIENE	0.5					
D034	HEXACHLOROETHANE	3.0					
D036	NITROBENZENE	2.0					
D037	PENTACHLOROPHENOL	100.0					
D038	PYRIDINE	5.0					
D041	2,4,5-TRICHLOROPHENOL	400.0					
D042	2,4,6-TRICHLOROPHENOL	2.0					
PESTICIDES AND HERBICIDES							
D012	ENDRIN	0.02					
D013	LINDANE	0.4					
D014	METHOXYCHLOR	10.0					
D015	TOXAPHENE	0.5					
D016	2,4-D	10.0					
D017	2,4,5-TP (SILVEX)	1.0					
D020	CHLORDANE	0.03					
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008					

HOCS
☒ NONE
 < 1000 PPM
 >= 1000 PPM

PCBs
☒ NONE
 < 50 PPM
 >=50 PPM

IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?
YES ☒ NO ☐

ADDITIONAL HAZARDS
DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?
YES ☒ NO (If yes, explain)

CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCES	EXPLOSIVE	FUMING	OSHA REGULATED CARCINOGENS
POLYMERIZABLE	RADIOACTIVE	REACTIVE MATERIAL	☒ NONE OF THE ABOVE



F. REGULATORY STATUS

YES

☒

NO

USEPA HAZARDOUS WASTE?

☒

YES

NO

DO ANY STATE WASTE CODES APPLY?

7777

Texas Waste Code

RRCT3101

YES

☒

NO

DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?

YES

☒

NO

IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?

LDR CATEGORY:
VARIANCE INFO:

Not subject to LDR

YES

☒

NO

IS THIS A UNIVERSAL WASTE?

YES

☒

NO

IS THE GENERATOR OF THE WASTE CLASSIFIED AS VERY SMALL QUANTITY GENERATOR (VSQG) OR A STATE EQUIVALENT DESIGNATION?

YES

NO

IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?

YES

☒

NO

DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

YES

NO

IS THIS WASTE STREAM SUBJECT TO THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?

YES

☒

NO

DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

YES

☒

NO

DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

YES

☒

NO

DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 77 KPA (11.2 PSIA)?

YES

☒

NO

IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

YES

☒

NO

IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?

Hazardous Organic NESHAP (HON) rule (subpart G)

Pharmaceuticals production (subpart GGG)

YES

NO

IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?

YES

NO

Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?

YES

NO

Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?

What is the TAB quantity for your facility?

Megagram/year (1 Mg = 2,200 lbs)

The basis for this determination is: Knowledge of the Waste Or Test Data

Knowledge

Testing

Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:
NON D.O.T. REGULATED, DUST

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY

ONE TIME

WEEKLY

MONTHLY

QUARTERLY

☒ YEARLY

OTHER

☒ CONTAINERIZED

15-50

CONTAINERS/SHIPMENT

STORAGE CAPACITY:

50

CONTAINER TYPE:

PORTABLE TOTE TANK

BOX|CARTON|CASE

CUBIC YARD BOX

☒ DRUM

OTHER:

DRUM SIZE:

55

BULK LIQUID

GALLONS/SHIPMENT:

0 Min -0 Max

GAL.

BULK SOLID

SHIPMENT UOM:

TON

YARD

TONS/YARDS/SHIPMENT:

0 Min - 0 Max

I. SPECIAL REQUEST

COMMENTS OR REQUESTS:

GENERATOR'S CERTIFICATION

I certify that I am authorized to execute this document as an authorized agent. I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE

NAME (PRINT)

TITLE

DATE

rawlin.kinney@syngenta.com

This waste profile has been submitted using Clean Harbors' electronic signature system.

*40 CFR Sec. 264.12 required notice:
As required by Federal Resource Conservation and Recovery Act regulations found in 40 CFR Part 264.12(b) and all equivalent State hazardous waste regulations, notice is hereby provided that all Clean Harbors facilities that may be used to treat, store, and /or dispose of the hazardous waste described on this waste profile have the appropriate permits and the capacity to manage these wastes.
Please note this profile must be submitted for re-evaluation if there has been a change in the waste generating process or when there have been changes in the chemical composition or physical characteristics of the material.