

Thank you for choosing INNOFUEL Energy Solutions™

To properly fill out the **MATERIAL CHARACTERIZATION FORM** follow the instructions below.

Do not fill the form out with your internet browser, please use Adobe® Acrobat Reader. If you do not have Adobe® Acrobat Reader, please download the newest version at <https://get.adobe.com/reader/otherversions/>

STEPS TO COMPLETE THIS FORM

- Download the Material Characterization PDF form to a desired location.
- Open the downloaded PDF in Adobe® Acrobat Reader.
- The blue shaded fields on this form are input fields. Left click/or tap on any of the blue fields to input your information.
- Enter your information until the form is complete.
- Save the completed form in your desired location.

TO MAIL FORM

- Print completed PDF Material Characterization form and send a copy to:
6480 Airport Road, Gary, Indiana 46406

TO FAX FORM

- Print completed PDF Material Characterization form and fax it to 219-318-1137.

TO EMAIL FORM

- Open the completed form in Adobe® Acrobat (if you have already closed out of the form)
- Go to FILE and select SEND FILE/ATTACH TO EMAIL
- Send the file to your account manager.

If you have any issues or need assistance, please call our team at 219-240-1116.

MATERIAL CHARACTERIZATION

INNOFUEL ENERGY SOLUTIONS™

6480 Airport Road, Gary IN 46406
 Phone: 219-240-1116 FAX: 219-318-1137
 EPA ID# INR000144097

FOR INNOFUEL USE ONLY

Approval # _____
 Sample # _____
 Sales Rep _____
 Date Submitted _____

GENERATOR INFORMATION:

Generator _____
 Site Address _____
 City _____ State _____ ZIP _____
 County _____
 Phone _____ Fax _____
 EPA ID# _____ SIC Code _____
 Generator Status: LQG SQG VSQG
 Technical Contact _____
 Title _____ e-mail _____

Bill To Name _____
 Site Address _____
 City _____ State _____ ZIP _____
 Phone _____ Fax _____
 Business Contact _____
 Title _____
 e-mail _____

MATERIAL DESCRIPTION

Name and Description of Material: _____
 Process Generating Material: _____ U.S. EPA Hazardous Waste: ___Yes___ No
 Proper DOT shipping name: _____
 Method of Shipment: Bulk Drum Tote Yd Box Other/Explain: _____
 Estimated Annual Volume: _____ Cubic Yards _____ Tons _____ Gallons _____ Drums _____ Container material (metal, plastic, etc.)
 Frequency: One Time Only Daily Weekly Monthly Yearly Other- explain _____ Approx drum weight
 Special Handling Instructions: _____
 Preferred Disposal Method: Engineered Fuels Other _____
 Ash _____ BTU/lb _____ Sulfur _____
 For MRF Generated Material: Single Source Mixed Waste Source NA

MATERIAL PROPERTIES AT 78°F

- a) Physical State: Solid Semi-solid Powder Liquid Phases
- b) Reactivity: Water reactive Acid Reactive Alkaline Reactive Oxidizer Autosetting none
- c) Flash Point, °F: ≤ 72 >72-100 >100-140 >140-200 >200 NA
- d) S. G./Density _____ e) pH: ≤2 >2 – 6 >6 – 9 >9 – <12.5 ≥12.5 NA
- f) Odor: None Mild Strong : Describe: _____ g) Color _____
- h) Total Organic Halogen (TOX) 0 ppm >1000 ppm* If this material is considered a "USED OIL" and is to be managed as a USED OIL, please complete the "USED OIL" ADDENDUM and attach to this profile.
- i) PCB Content: 0 ppm 1-49 ppm* equal to or > 50 ppm *Supporting analysis and documentation required.

MATERIAL CHARACTERIZATION

MATERIAL COMPOSITION:

List all components, add up to 100%.

Constituent	Range % (wt-vol)	
	Min	Max
A combined total should equal 100%		

Above is based on: Generator Knowledge Analytical Data SDS
 Please attach analysis, TCLP information and appropriate SDS sheets.
 SAMPLE SUBMITTED WITH THIS PROFILE: Yes No

CHEMICAL COMPOSITION: Check if not known

Constituent	Range %	
	Min	Max
Chlorine		
Bromine		
Fluorine		
Nitrogen		
Oxygen		
Carbon		
Biomass		
Metals		

RCRA CONTAMINANTS:

TCLP TOTAL NONE IN THIS SECTION

EPA #	NAME	REGULATORY LEVEL	ACTUAL
<input type="checkbox"/> D004	Arsenic	>5.0	_____
<input type="checkbox"/> D005	Barium	>100.0	_____
<input type="checkbox"/> D006	Cadmium	>1.0	_____
<input type="checkbox"/> D007	Chromium	>5.0	_____
<input type="checkbox"/> D008	Lead	>5.0	_____
<input type="checkbox"/> D009	Mercury	>0.2	_____
<input type="checkbox"/> D010	Selenium	>1.0	_____
<input type="checkbox"/> D011	Silver	>5.0	_____
<input type="checkbox"/> D012	Endrin	>0.02	_____
<input type="checkbox"/> D013	Lindane	>0.4	_____
<input type="checkbox"/> D014	Methoxychlor	>10.0	_____
<input type="checkbox"/> D015	Toxaphene	>0.5	_____
<input type="checkbox"/> D016	2,4-D	>10.0	_____
<input type="checkbox"/> D017	2,4,5-TP (Silvex)	>1.0	_____
<input type="checkbox"/> D018	Benzene	>0.5	_____
<input type="checkbox"/> D019	Carbon Tetrachloride	>0.5	_____
<input type="checkbox"/> D020	Chlordane	>0.03	_____
<input type="checkbox"/> D021	Chlorobenzene	>100.0	_____
<input type="checkbox"/> D022	Chloroform	>6.0	_____
<input type="checkbox"/> D023	o-Cresol	>200.0	_____
<input type="checkbox"/> D024	m-Cresol	>200.0	_____
<input type="checkbox"/> D025	p-Cresol	>200.0	_____
<input type="checkbox"/> D026	Cresol (total)	>200.0	_____
<input type="checkbox"/> D027	1,4-Dichlorobenzene	>7.5	_____
<input type="checkbox"/> D028	1,2-Dichlorethane	>0.5	_____
<input type="checkbox"/> D029	1,2-Dichloroethylene	>0.7	_____
<input type="checkbox"/> D030	2,4-Dinitrotoluene	>0.13	_____
<input type="checkbox"/> D031	Heptachlor (and its epoxide)	>0.008	_____
<input type="checkbox"/> D032	Hexachlorobenzene	>0.13	_____
<input type="checkbox"/> D033	Hexachloro-1,3-butadiene	>0.5	_____
<input type="checkbox"/> D034	Hexachloroethane	>3.0	_____
<input type="checkbox"/> D035	Methyl Ethyl Ketone	>200.0	_____
<input type="checkbox"/> D036	Nitrobenzene	>2.0	_____
<input type="checkbox"/> D037	Petachlorophenol	>100.0	_____
<input type="checkbox"/> D038	Pyridine	>5.0	_____
<input type="checkbox"/> D039	Tetrchloroethylene	>0.7	_____
<input type="checkbox"/> D040	Trichloroethylene	>0.5	_____
<input type="checkbox"/> D041	2,4,5-Trichlorophenol	>400.0	_____
<input type="checkbox"/> D042	2,4,6-Trichlorophenol	>2.0	_____
<input type="checkbox"/> D043	Vinyl Chloride	>0.2	_____

MATERIAL CHARACTERIZATION

GENERATOR CERTIFICATION

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true and accurate description of the material being offered for disposal.

Samples of this material submitted to INNOFUEL Energy Solutions™ are representative of the material described in this profile. I further certify that by utilizing this profile, neither I nor any other employee of the company will deliver for treatment, processing or recycling or attempt to deliver for same any material that is classified as a **toxic waste, hazardous waste, Asbestos, VSQG hazardous waste, Antineoplastic waste, Chemotherapy waste, medical or infectious waste (treated or untreated), radioactive material, TSCA waste, hazardous waste as defined by 329 IAC 3.1 or any other material that this facility is prohibited from accepting by law.**

Authorized Representative Name (Printed) _____ Company _____

Authorized Representative Signature: _____

Title: _____ Date: _____

*By electronically signing this document, you acknowledge and agree, you are warranting the truthfulness of the information provided and you understand that your electronic signature constitutes your legal signature.

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Reviewed by: _____ Date: _____ Second review: _____ Date: _____

Approved for treatment (please check and initial) _____ Special Handling (if yes, make process directions in notes): _____

Treatment	Solidification/ Landfill	Waste to Energy	Engineered Fuels	Water	Used oil	Recycling	Other (please note processing)
Check all that apply							

Rejected – reason: _____

Price: _____ per unit: _____ CS initial _____ Price approved by: _____ Date: _____

Notes: _____