

December 1, 2023

Mr. Cody W. Heinze
Northeast Region Spill Coordinator – Hydrogeologist
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2984 Shawano Avenue, Green Bay WI 54313-6727

Dear Mr. Heinze

In this letter you will find the information you requested pertaining to the equipment malfunction of our fire protection system at approximately 3:45 PM on November 29, 2023 – WI SPILL #19909 ID 20231129NE38-1. This led to the release of 47 gallons of three percent fire suppression foam onto an asphalt and concrete covered area between Buildings 69 and 67 of our facility. Please see Map 1 at the end of this report for the location on ChemDesign's site.

On the day of the fire suppression release, Marinette, Wisconsin was experiencing temperatures below 32 degrees F. Due to the cold, we believe ice had built up in and around sprinkler head number DS28 (see Pic 1). This caused the sprinkler head seat to shift and unseat from its position and allow the dry system to depressurize setting off that single head. The system dumped the foam on top of the shed which has a roof that drops to the south allowing material to come off the roof and collect in the southwest corner of the building. No foam or water was observed on the north side of the shed.

The sprinkler head is located in the southwest corner of Building 69 above a shed (see Pic 3). This is a new fire suppression system that was started up at the beginning of October 2023.

ChemDesign Chemical Operators responded to the fire suppression release immediately and began to put Oil Dri (absorbent) down and around the area to absorb and contain the material. Chemical Operators at ChemDesign maintain 40-hour OSHA Hazardous Materials Technician level certification and training, and are provided the appropriate first response materials and personal protection equipment to deal with HazMat incidents should they occur.

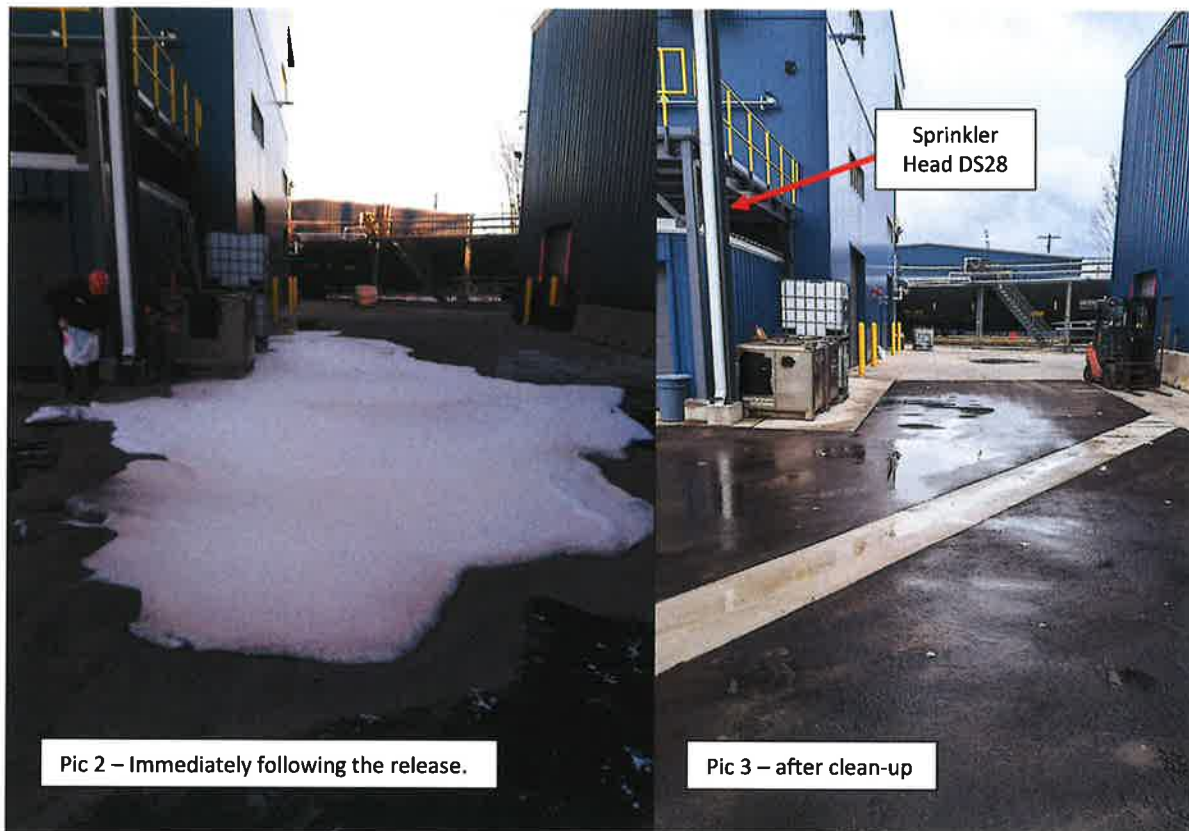


Pic 1 - Sprinkler Head DS28 –
A gap can be seen between
the valve and the body,
created by pressure from ice.

The Marinette Fire Department also responded to the fire alarm but left the ChemDesign site soon after establishing that there was not a fire, and that ChemDesign had the release well under control.

The clean-up involved six ChemDesign Operators working for nine hours to clean-up the spill and absorbent materials. Six hundred gallons of fire suppression media and rinse waters were collected throughout the clean-up in two, three-hundred and fifty-gallon totes. An air-operated negative pressure diaphragm pump along with chemical hoses were used for the clean-up. The area was rinsed multiple times with fresh water and the surface powered washed.

Sixteen, 55-gallon open-top steel drums were used for disposal of the Oil-Dri. The amount of absorbent used was approximately 95, 50-pound bags.

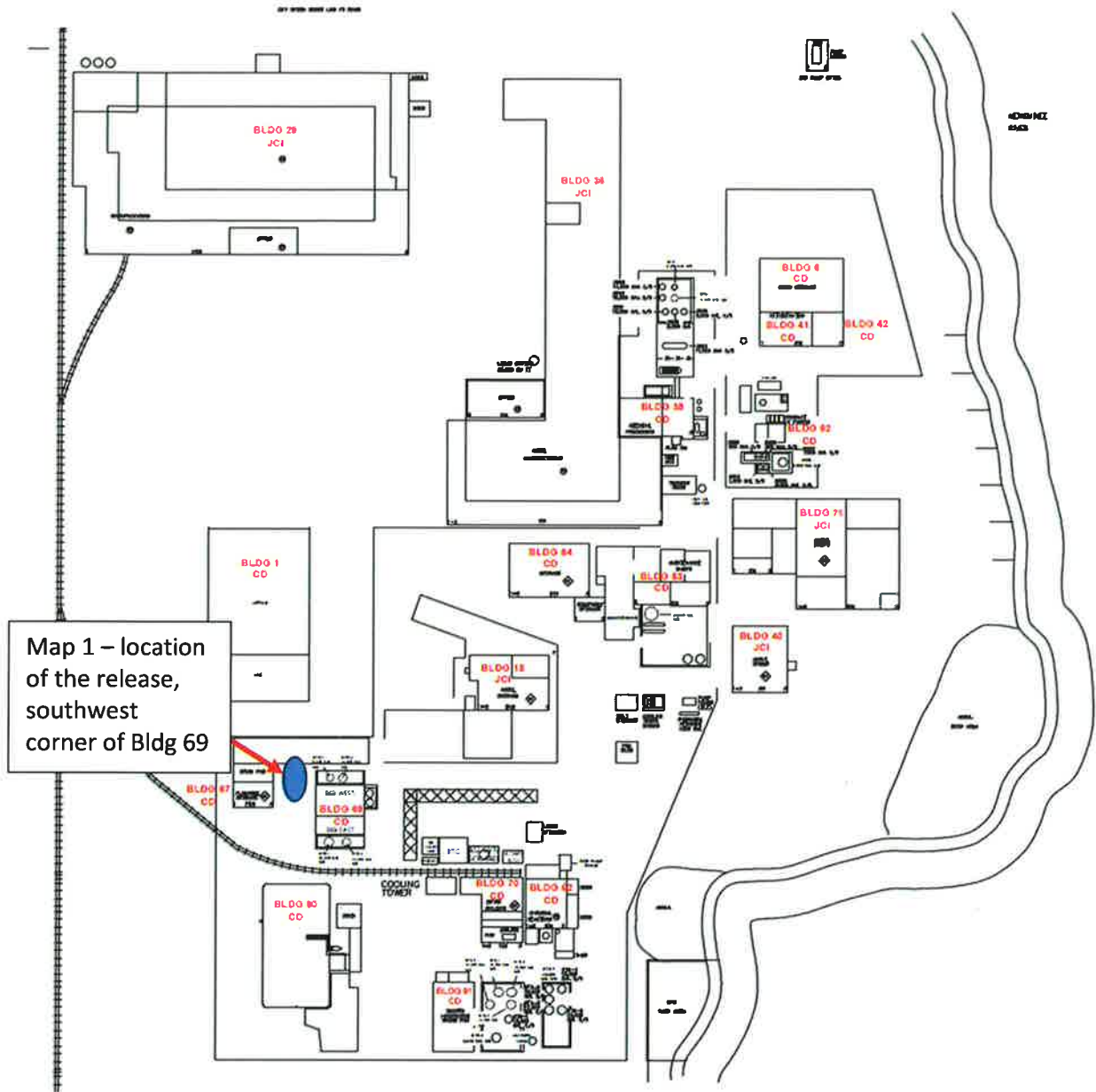


The pump and hosing will also be incinerated once their use is discontinued. Shovels, brooms and PPE have been placed with the absorbent and will be sent out for incineration.

All the used Oil-Dri absorbent and the 600 gallons of waste solution will be sent off-site for incineration. All material will go to Sarnia, Ontario; Clean Harbors Canada, Inc., 4090 Telfer Road, Corunna, ON EPA ID: MIR000035204. Shipping manifests for the disposal material will be forwarded once produced.

If you have any additional questions, please feel free to contact me.

Thomas Willis
Director of HES
ChemDesign Products, Inc.
twillis@chemdesign.com



Map 1 – location of the release, southwest corner of Bldg 69

DATE	INITIALS
8/12/11	RT
05/10/18	KS
02/10/18	KS
7/18/10	KS
01/21/21	KS
06/08/21	KS
1/18/23	KP



ChemDesign

SITE PLAN DRAWING - BUILDING LAYOUT

DRAWING NUMBER

CONFIDENTIAL
For ChemDesign
Products, Inc.
Internal Use Only.

9 CONFIO

Bill of Lading

BILL DATE: 1/28/2024

DOCUMENT # 106811CH

CUSTOMER # CH49932

TO

FROM

Clean Harbors Aragonite, LLC
11600 North Aptus Rd
Salt Lake City, Utah, 84083
UTD981552177

ChemDesign
2 Stanton St
Marinette, WI 54143
WID980898266

HM	DESCRIPTION OF ARTICLES SPECIAL MARKS & EXCEPTIONS	QTY/UNITS	WEIGHTS
	Non-DOT/Non-RCRA Regulated Material (Fire Suppression Clean Up) CH2712438	15 55g Dm	6,750

RECEIVED subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of packages unknown), marked consigned and destined as indicated above which said carrier (the word carrier being understood through this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery as said destination. If on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property, over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the Bill of Lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the Bill of Lading terms and conditions in the governing classification and the said terms and conditions.

INITIAL STATEMENTS BELOW CERTIFYING THEY ARE ACCURATE

CM Shipper hereby certifies that has conditionally exempt (very) small quantity generator status as defined by EPA regulations 40 CFR Ch.1 para 261.5.

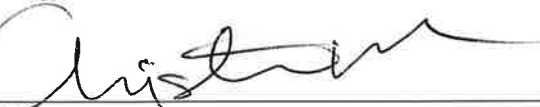
CM Shipper hereby certifies that all medical or infectious waste is NON-INFECTIOUS when delivered to LRI Inc.

CM Shipper hereby certifies that all medications are both NON-HAZARDOUS and NOT CONTROLLED.

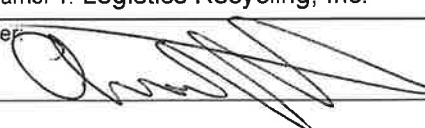
Shipper: CHEMDESIGN

Carrier 1: Logistics Recycling, Inc.

Per:



Per:

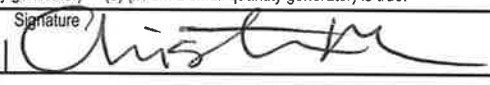


Date:

2/27/24

Destination Facility:

Per:

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number WID980898266	2. Page 1 of 2	3. Emergency Response Phone (800) 483-3718	4. Manifest Tracking Number 018673967 FLE		
5. Generator's Name and Mailing Address ChemDesign Products Incorporated 2 Stanton Street Marinette, WI 54143				Generator's Site Address (if different than mailing address) SAME			
Generator's Phone: (715) 735-8346				ATTN: Christopher Moore			
6. Transporter 1 Company Name Esanaba & Lake Superior Railroad C				U.S. EPA ID Number MID985613470			
7. Transporter 2 Company Name Canadian National Railroad				U.S. EPA ID Number ILD984766147			
8. Designated Facility Name and Site Address Clean Harbors Canada, Inc. 4090 Telfer Road Corunna, ON N0N 1G0				U.S. EPA ID Number MIR000035204			
Facility's Phone: (519) 864-1021							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
X	1. RQ, UN3286, WASTE FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.. (POTASSIUM HYDROXIDE, ISOPROPRANOL, ORGANIC PESTICIDE), 3, (6.1), (8), PG II (D002, D001)	1	TT	5,839	g	D001	D002
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information 1. CH482739B-RAIL ERG#131 AcC035051/05E/23				RAILCAR # GATX 8247			
<p><small>Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation efficiency, convenience, or safety.</small></p> <p>15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.</p>							
Generator's/Offeror's Printed/Typed Name Christopher Moore				Signature 		Month Day Year 12 6 23	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name				Signature		Month Day Year	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number: _____							
18b. Alternate Facility (or Generator)				U.S. EPA ID Number			
Facility's Phone: _____							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. H040		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name				Signature		Month Day Year	

GENERATOR

TRANSPORTER INT'L

DESIGNATED FACILITY



Land Disposal Restriction
Notification Form

Printed Date : Nov 21, 2023

MANIFEST INFORMATION

Generator : ChemDesign Products Incorporated

Address: 2 Stanton Street
Marinette, WI 54143

EPA ID #: W I D 9 8 0 8 9 8 2 6 6

Manifest Tracking Info.

018673967FLE

Sales Order No: 2306270577

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	CH482739B-RAIL	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

D001

D002

EPA Waste SubCategory

High TOC Ignitable Liquids

Corrosive Characteristic

Certification

Applies to
Manifest Line
Items

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.

1.

Waste analysis data, where available, is attached.

Signature :

Print Name

Christopher Moore

Title :

Waste Manager

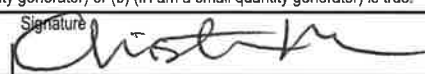
Date :

12/6/2023

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number WID980898266	2. Page 1 of 2	3. Emergency Response Phone (800) 483-3718	4. Manifest Tracking Number 018673968 FLE				
5. Generator's Name and Mailing Address ChemDesign Products Incorporated 2 Stanton Street Marinette, WI 54143			Generator's Site Address (if different than mailing address) SAME						
Generator's Phone: (715) 735-8346 ATTN: Christopher Moore									
6. Transporter 1 Company Name Escaaba & Lake Superior Railroad C				U.S. EPA ID Number MID985613470					
7. Transporter 2 Company Name Canadian National Railroad				U.S. EPA ID Number ILD984766147					
8. Designated Facility Name and Site Address Clean Harbors Canada, Inc. 4090 Telfer Road Corunna, ON N0N 1G0				U.S. EPA ID Number MIR000035204					
Facility's Phone: (519) 864-1021									
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes			
		No.	Type						
X	1. RQ, UN3286, WASTE FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S. (POTASSIUM HYDROXIDE, ISOPROPNOL, ORGANIC PESTICIDE), 3, (6.1), (8), PG II (D002, D001)	1	TT	5,859	g	D001	D002		
	2.								
	3.								
	4.								
14. Special Handling Instructions and Additional Information 1. CH482739B-RAIL. ERG#131 AoC035051/05E/23				RAILCAR # GATX 8247					
Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation efficiency convenience or safety									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Offoror's Printed/Typed Name Christopher Moore				Signature 		Month Day Year 12 6 23			
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____									
17. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name				Signature		Month Day Year			
Transporter 2 Printed/Typed Name				Signature		Month Day Year			
18. Discrepancy									
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
Manifest Reference Number: _____									
18b. Alternate Facility (or Generator)						U.S. EPA ID Number			
Facility's Phone: _____									
18c. Signature of Alternate Facility (or Generator)						Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1. H040		2.		3.		4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a									
Printed/Typed Name				Signature		Month Day Year			



Land Disposal Restriction
Notification Form

Printed Date : Nov 21, 2023

MANIFEST INFORMATION

Generator : ChemDesign Products Incorporated

Address: 2 Stanton Street
Marinette, WI 54143

EPA ID #: W I D 9 8 0 8 9 8 2 6 6

Manifest Tracking Info.

018673968FLE

Sales Order No: 2306270577

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	CH482739B-RAIL	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D001	High TOC Ignitable Liquids
D002	Corrosive Characteristic

Certification

Applies to
Manifest Line
Items

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.

1.

Waste analysis data, where available, is attached.

Signature :

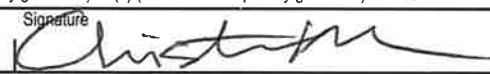
Print Name

Title :

Waste Manager

Date :

12/6/2023

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number WID980898266	2. Page 1 of 12	3. Emergency Response Phone (800) 483-3718	4. Manifest Tracking Number 018673969 FLE			
5. Generator's Name and Mailing Address ChemDesign Products Incorporated 2 Stanton Street Marinette, WI 54143		Generator's Site Address (if different than mailing address) SAME					
Generator's Phone: (715) 735-8346 ATTN:Christopher Moore							
6. Transporter 1 Company Name Escanaba & Lake Superior Railroad C		U.S. EPA ID Number MID985613470					
7. Transporter 2 Company Name Canadian National Railroad		U.S. EPA ID Number ILD984766147					
8. Designated Facility Name and Site Address Clean Harbors Canada. Inc. 4090 Telfer Road Corunna, ON N0N 1G0		U.S. EPA ID Number MIR000035204					
Facility's Phone: (519) 864-1021							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	X	1. RQ. UN3286, WASTE FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S., (POTASSIUM HYDROXIDE, ISOPROPNOL, ORGANIC PESTICIDE), 3, (6.1), (8), PG II (D002, D001)	1 TT	5,859	g	D001	D002
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information 1. CR487139D-RAIL ERG#131 AcC035051/05E/23		RAILCAR # GATX 8247			Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation efficiency, convenience, or safety.		
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name Christopher Moore		Signature 		Month 12	Day 6	Year 23	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name		Signature		Month	Day	Year	
Transporter 2 Printed/Typed Name		Signature		Month	Day	Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number: _____							
Facility's Phone: _____							
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. H040	2.	3.	4.				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name		Signature		Month	Day	Year	



Land Disposal Restriction
Notification Form

Printed Date : Nov 21, 2023

MANIFEST INFORMATION

Generator : ChemDesign Products Incorporated

Address: 2 Stanton Street
Marinette, WI 54143

EPA ID #: W I D 9 8 0 8 9 8 2 6 6

Manifest Tracking Info.

018673969FLE

Sales Order No: 2306270577

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	CH482739B-RAIL	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D001	High TOC Ignitable Liquids
D002	Corrosive Characteristic

Certification

Applies to
Manifest Line
Items

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.

1.

Waste analysis data, where available, is attached.

Signature :

Print Name

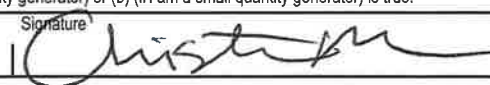
Title :

Date :

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

Form Approved. OMB No. 2050-0039

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number WID980898266		2. Page 1 of 2		3. Emergency Response Phone (800) 483-3718		4. Manifest Tracking Number 018673970 FLE				
		5. Generator's Name and Mailing Address ChemDesign Products Incorporated 2 Stanton Street Marinette, WI 54143						Generator's Site Address (if different than mailing address) SAME				
6. Transporter 1 Company Name Escanaba & Lake Superior Railroad C		U.S. EPA ID Number MID985613470										
7. Transporter 2 Company Name Canadian National Railroad		U.S. EPA ID Number ILD984766147										
8. Designated Facility Name and Site Address Clean Harbors Canada, Inc. 4090 Telfer Road Corunna, ON N0N 1G0		U.S. EPA ID Number MIR000035204										
Facility's Phone: (519) 864-1021												
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
						No.	Type					
	X	1. RQ, UN3286, WASTE FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S., (POTASSIUM HYDROXIDE, ISOPROPANOL, ORGANIC PESTICIDE), 3, (6.1), (8), PG II (D002, D001)				1	FF	5,859	g	D001	D002	
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17. Transporter Acknowledgment of Receipt of Materials												
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18. Discrepancy												
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Manifest Reference Number: _____												
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Facility's Phone: _____												
18c. Signature of Alternate Facility (or Generator)									Month	Day	Year	
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20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a												
Printed/Typed Name						Signature			Month	Day	Year	



Land Disposal Restriction
Notification Form

Printed Date : Nov 21, 2023

MANIFEST INFORMATION

Generator : ChemDesign Products Incorporated

Address: 2 Stanton Street
Marinette, WI 54143

EPA ID #: W I D 9 8 0 8 9 8 2 6 6

Manifest Tracking Info.

018673970FLE

Sales Order No: 2306270577

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
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EPA Waste Code			EPA Waste SubCategory	
D001			High TOC Ignitable Liquids	
D002			Corrosive Characteristic	

Certification

Applies to
Manifest Line
Items

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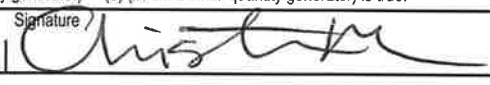
Print Name

Title :

Waste Manager

Date :

12/6/2023

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number WID980898266	2. Page 1 of 2	3. Emergency Response Phone (800) 483-3718	4. Manifest Tracking Number 018673967 FLE		
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Generator's Phone: (715) 735-8346				ATTN: Christopher Moore			
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Facility's Phone: (519) 864-1021							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
X	1. RQ, UN3286, WASTE FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.. (POTASSIUM HYDROXIDE, ISOPROPRANOL, ORGANIC PESTICIDE), 3, (6.1), (8), PG II (D002, D001)	1	TT	5,839	g	D001	D002
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information 1. CH482739B-RAIL ERG#131 AcC035051/05E/23				RAILCAR # GATX 8247			
<p>Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation efficiency, convenience, or safety.</p> <p>15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.</p>							
Generator's/Offeror's Printed/Typed Name Christopher Moore				Signature 		Month Day Year 12 6 23	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name				Signature		Month Day Year	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number: _____							
18b. Alternate Facility (or Generator)				U.S. EPA ID Number			
Facility's Phone: _____							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. H040		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name				Signature		Month Day Year	

GENERATOR

TRANSPORTER INT'L

DESIGNATED FACILITY



Land Disposal Restriction Notification Form

Printed Date : Nov 21, 2023

MANIFEST INFORMATION

Generator : ChemDesign Products Incorporated

Address: 2 Stanton Street
Marinette, WI 54143

EPA ID #: W I D 9 8 0 8 9 8 2 6 6

Manifest Tracking Info.

018673967FLE

Sales Order No: 2306270577

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	CH482739B-RAIL	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

D001

D002

EPA Waste SubCategory

High TOC Ignitable Liquids

Corrosive Characteristic

Certification

Applies to
Manifest Line
Items

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.

1.

Waste analysis data, where available, is attached.

Signature :

Print Name

Christopher Moore

Title :

Waste Manager

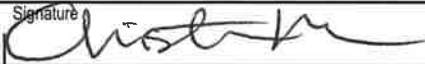
Date :

12/6/2023

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number WID980898266	2. Page 1 of 2	3. Emergency Response Phone (800) 483-3718	4. Manifest Tracking Number 018673968 FLE		
5. Generator's Name and Mailing Address ChemDesign Products Incorporated 2 Stanton Street Marinette, WI 54143				Generator's Site Address (if different than mailing address) SAME			
Generator's Phone: (715) 735-8346 ATTN: Christopher Moore							
6. Transporter 1 Company Name Esanaba & Lake Superior Railroad C				U.S. EPA ID Number MID985613470			
7. Transporter 2 Company Name Canadian National Railroad				U.S. EPA ID Number ILD984766147			
8. Designated Facility Name and Site Address Clean Harbors Canada, Inc. 4090 Telfer Road Corunna, ON N0N 1G0				U.S. EPA ID Number MIR000035204			
Facility's Phone: (519) 864-1021							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
X	1. RQ, UN3286, WASTE FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S. (POTASSIUM HYDROXIDE, ISOPROPNOL, ORGANIC PESTICIDE), 3, (6.1), (8), PG II (D002, D001)	1	TT	5,859	g	D001	D002
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information 1. CH482739B-RAIL. ERG#131 AoC035051/05E/23				RAILCAR # GATX 8247			
Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation efficiency convenience or safety							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offoror's Printed/Typed Name Christopher Moore				Signature 		Month Day Year 12 6 23	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name				Signature		Month Day Year	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number: _____							
18b. Alternate Facility (or Generator)				U.S. EPA ID Number			
Facility's Phone: _____							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. H040		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name				Signature		Month Day Year	



Land Disposal Restriction
Notification Form

Printed Date : Nov 21, 2023

MANIFEST INFORMATION

Generator : ChemDesign Products Incorporated

Address: 2 Stanton Street
Marinette, WI 54143

EPA ID #: W I D 9 8 0 8 9 8 2 6 6

Manifest Tracking Info.

018673968FLE

Sales Order No: 2306270577

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	CH482739B-RAIL	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D001	High TOC Ignitable Liquids
D002	Corrosive Characteristic

Certification

Applies to
Manifest Line
Items

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.

1.

Waste analysis data, where available, is attached.

Signature :

Print Name

Title :

Waste Manager

Date :

12/6/2023

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number WID980898266	2. Page 1 of 12	3. Emergency Response Phone (800) 483-3718	4. Manifest Tracking Number 018673969 FLE			
5. Generator's Name and Mailing Address ChemDesign Products Incorporated 2 Stanton Street Marinette, WI 54143		Generator's Site Address (if different than mailing address) SAME					
Generator's Phone: (715) 735-8346 ATTN: Christopher Moore							
6. Transporter 1 Company Name Escanaba & Lake Superior Railroad C		U.S. EPA ID Number MID985613470					
7. Transporter 2 Company Name Canadian National Railroad		U.S. EPA ID Number ILD984766147					
8. Designated Facility Name and Site Address Clean Harbors Canada. Inc. 4090 Telfer Road Corunna, ON N0N 1G0		U.S. EPA ID Number MIR000035204					
Facility's Phone: (519) 864-1021							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	X	1. RQ. UN3286, WASTE FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S., (POTASSIUM HYDROXIDE, ISOPROPNOL, ORGANIC PESTICIDE), 3, (6.1), (8), PG II (D002, D001)	1 TT	5,859	g	D001	D002
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information 1. CR487139D-RAIL ERG#131 AcC035051/05E/23		RAILCAR # GATX 8247			Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation efficiency, convenience, or safety.		
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name Christopher Moore		Signature <i>Christopher Moore</i>		Month 12	Day 6	Year 23	
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name		Signature		Month	Day	Year	
Transporter 2 Printed/Typed Name		Signature		Month	Day	Year	
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number: _____						
	Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.	2.	3.	4.				
H040							
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name		Signature		Month	Day	Year	



Land Disposal Restriction
Notification Form

Printed Date : Nov 21, 2023

MANIFEST INFORMATION

Generator : ChemDesign Products Incorporated

Address: 2 Stanton Street
Marinette, WI 54143

EPA ID #: W I D 9 8 0 8 9 8 2 6 6

Manifest Tracking Info.

018673969FLE

Sales Order No: 2306270577

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	CH482739B-RAIL	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D001	High TOC Ignitable Liquids
D002	Corrosive Characteristic

Certification

Applies to
Manifest Line
Items

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.

1.

Waste analysis data, where available, is attached.

Signature :

Print Name

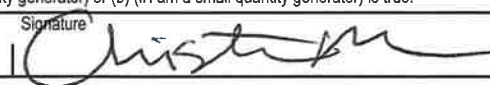
Title :

Date :

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

Form Approved. OMB No. 2050-0039

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number WID980898266		2. Page 1 of 2		3. Emergency Response Phone (800) 483-3718		4. Manifest Tracking Number 018673970 FLE				
		5. Generator's Name and Mailing Address ChemDesign Products Incorporated 2 Stanton Street Marinette, WI 54143						Generator's Site Address (if different than mailing address) SAME				
6. Transporter 1 Company Name Esanaba & Lake Superior Railroad C		Generator's Phone: (715) 735-8346 ATTN: Christopher Moore						U.S. EPA ID Number MID985613470				
7. Transporter 2 Company Name Canadian National Railroad								U.S. EPA ID Number ILD984766147				
8. Designated Facility Name and Site Address Clean Harbors Canada, Inc. 4090 Telfer Road Corunna, ON N0N 1G0		Facility's Phone: (519) 864-1021						U.S. EPA ID Number MIR000035204				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes			
				No.	Type							
	X	1. RQ, UN3286, WASTE FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S., (POTASSIUM HYDROXIDE, ISOPROPNOL, ORGANIC PESTICIDE), 3, (6.1), (8), PG II (D002, D001)			1	FF	5,859	g	D001	D002		
		2.										
		3.										
	4.											
14. Special Handling Instructions and Additional Information 1. CR462739D-RAIL, ERG#131		AoC035051/05E/23				RAILCAR # GATX 8247						
<p>Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation efficiency, convenience, or safety.</p>												
<p>15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.</p>												
Generator's/Offoror's Printed/Typed Name Christopher Moore						Signature 			Month Day Year 12 6 23			
<p>16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____</p> <p>Transporter signature (for exports only): _____</p>												
<p>17. Transporter Acknowledgment of Receipt of Materials</p> <p>Transporter 1 Printed/Typed Name _____ Signature _____ Month Day Year _____</p> <p>Transporter 2 Printed/Typed Name _____ Signature _____ Month Day Year _____</p>												
<p>18. Discrepancy</p> <p>18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection</p> <p style="text-align: right;">Manifest Reference Number: _____</p>												
<p>18b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____</p> <p>Facility's Phone: _____</p>												
<p>18c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____</p>												
<p>19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)</p> <p>1. H040 2. _____ 3. _____ 4. _____</p>												
<p>20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a</p> <p>Printed/Typed Name _____ Signature _____ Month Day Year _____</p>												



Land Disposal Restriction
Notification Form

Printed Date : Nov 21, 2023

MANIFEST INFORMATION

Generator : ChemDesign Products Incorporated

Address: 2 Stanton Street
Marinette, WI 54143

EPA ID #: W I D 9 8 0 8 9 8 2 6 6

Manifest Tracking Info.

018673970FLE

Sales Order No: 2306270577

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	CH482739B-RAIL	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
D001			High TOC Ignitable Liquids	
D002			Corrosive Characteristic	

Certification

Applies to
Manifest Line
Items

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.

1.

Waste analysis data, where available, is attached.

Signature :

Print Name

Christopher Meade

Title :

Waste Manager

Date :

12/6/2023

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number WID980898266		2. Page 1 of 1		3. Emergency Response Phone (800) 483-3718		4. Manifest Tracking Number 016391336 FLE			
		5. Generator's Name and Mailing Address ChemDesign Products Incorporated 2 Stanton Street Marinette, WI 54143					Generator's Site Address (if different than mailing address) SAME				
Generator's Phone: (715) 735-8399		ATTN: Matt Smiley									
6. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.							U.S. EPA ID Number MAD039322250				
7. Transporter 2 Company Name							U.S. EPA ID Number				
8. Designated Facility Name and Site Address Clean Harbors Canada, Inc. 4090 Telfer Road Corunna, ON N0N 1G0							U.S. EPA ID Number ON0039017				
Facility's Phone: (519) 884-1021											
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
					No.	Type					
1.	NON-REGULATED MATERIAL, (BURN OFF WATERS)				- 1 - TT		4500	G			
2.											
3.											
4.											
14. Special Handling Instructions and Additional Information 1. CH2155247 8 2400 744 539											
<small>Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation efficiency convenience or safety</small>											
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generator's/Offeror's Printed/Typed Name XL Derek S. Director					Signature <i>[Signature]</i>			Month Day Year 3 7 24			
16. International Shipments <input type="checkbox"/> Import to U.S. <input checked="" type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____											
17. Transporter Acknowledgment of Receipt of Materials											
Transporter 1 Printed/Typed Name John Porter					Signature <i>[Signature]</i>			Month Day Year 3 7 24			
Transporter 2 Printed/Typed Name					Signature			Month Day Year			
18. Discrepancy											
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection											
Manifest Reference Number: _____											
18b. Alternate Facility (or Generator)							U.S. EPA ID Number				
Facility's Phone: _____											
18c. Signature of Alternate Facility (or Generator)							Month Day Year				
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)											
1. H040			2.		3.		4.				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a											
Printed/Typed Name					Signature			Month Day Year			

GENERATOR

TRANSPORTER INT'L

DESIGNATED FACILITY

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.
Chemguard

U.S. EPA Form 8700-22

Read all instructions before completing this form.

1. Federal regulations require generators and transporters of hazardous waste and owners or operators of receiving facilities designated on the manifest to complete this form (EPA Form 8700-22) and, if necessary, the continuation sheet (EPA Form 8700-22A) for both inter- and intrastate transportation of hazardous waste.
2. This manifest reflects formatting changes made by U.S. EPA in December 2017. Beginning on June 30, 2018, this manifest (Revision 12-17) must be used and all previous editions are prohibited. Go to www.epa.gov/e-manifest for additional information.
3. This form must be purchased from a registered printer (<https://www.epa.gov/hwgenerators/approved-registered-printers-epas-manifest-registry#how>) and has been designed to be filled out using standard computer printers; a firm point pen may also be used—press down hard. After June 30, 2018, this form can also be completed electronically in EPA's e-Manifest system.

The public burden related to the Uniform Hazardous Waste Manifest, which is approved under OMB 2050-0039, is estimated to average (per manifest) 60 minutes for generators; 20 minutes for transporters; and 30 minutes for owners and operators of receiving facilities designated on the manifest. This is a mandatory collection under 40 CFR Part 262, Subpart B, 40 CFR Part 263, Subpart B, and 40 CFR Parts 264 and 265, Subpart E. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The completed form should be submitted in accordance with the instructions accompanying the form, or as specified in the corresponding regulation. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of e-Manifest, to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Please include the OMB control number in any correspondence. Do NOT send the completed manifest forms to this address. Privacy Act Statement - None of the information collected under this Manifest Program is considered Personally Identifiable Information (PII) or Confidential Business Information (CBI).

I. Instructions for Generators

Item 1. Generator's U.S. EPA Identification Number

Enter the generator's U.S. EPA twelve-digit identification number, or the state generator identification number if the generator site does not have an EPA identification number.

Item 2. Page 1 of ____

Enter the total number of pages used to complete this manifest (i.e., the first page (EPA Form 8700-22) plus the number of continuation sheets (EPA Form 8700-22A), if any).

Item 3. Emergency Response Phone Number

Enter a phone number for which emergency response information can be obtained in the event of an incident during transportation. The emergency response phone number must:

1. Be the number of the generator or the number of an agency or organization who is capable of and accepts responsibility for providing detailed information about the shipment;
2. Reach a phone that is monitored 24 hours a day at all times the waste is in transportation (including transportation related storage); and
3. Reach someone who is either knowledgeable of the hazardous waste being shipped and has comprehensive emergency response and spill cleanup/incident mitigation information for the material being shipped or has immediate access to a person who has that knowledge and information about the shipment.

Note: Emergency Response phone number information should only be entered in Item 3 when there is one phone number that applies to all the waste materials described in Item 9b. If a situation (e.g., consolidated shipments) arises where more than one Emergency Response phone number applies to the various wastes listed on the manifest, the phone numbers associated with each specific material should be entered after its description in Item 9b.

Item 4. Manifest Tracking Number

This unique tracking number must be pre-printed on the manifest by the forms printer.

Item 5. Generator's Mailing Address, Phone Number and Site Address

Enter the name of the generator, the mailing address to which the completed manifest signed by the designated facility should be mailed, and the generator's telephone number. Note, the telephone number (including area code) should be the normal business number for the generator, or the number where the generator or his authorized agent may be reached to provide instructions in the event the designated and/or alternate (if any) facility rejects some or all of the shipment. Also enter the physical site address from which the shipment originates only if this address is different than the mailing address.

Item 6. Transporter 1 Company Name, and U.S. EPA ID Number

Enter the company name and U.S. EPA ID number of the first transporter who will transport the waste. Vehicle or driver information may not be entered here.

Item 7. Transporter 2 Company Name and U.S. EPA ID Number

If applicable, enter the company name and U.S. EPA ID number of the second transporter who will transport the waste. Vehicle or driver information may not be entered here.

If more than two transporters are needed, use a continuation sheet(s) (EPA Form 8700-22A).

Item 8. Designated Facility Name, Site Address, and U.S. EPA ID Number

* Enter the company name and site address of the facility designated to receive the waste listed on this manifest. Also enter the facility's phone number and the U.S. EPA twelve-digit identification number of the facility.

Item 9. U.S. DOT Description (Including Proper Shipping Name, Hazard Class or Division, Identification Number, and Packing Group)

Item 9a. If the wastes identified in Item 9b consist of both hazardous and nonhazardous materials, then identify the hazardous materials by entering an "X" in this Item next to the corresponding hazardous material identified in Item 9b.

Item 9b. Enter the U.S. DOT Proper Shipping Name, Hazard Class or Division, Identification Number (UN/NA) and Packing Group for each waste as identified in 49 CFR part 172. Include technical name(s) and reportable quantity references, if applicable.

Note: If additional space is needed for waste descriptions, enter these additional descriptions in Item 27 on the continuation sheet (EPA Form 8700-22A). Also, if more than one Emergency Response phone number applies to the various wastes described in either Item 9b or Item 27, enter applicable Emergency Response phone numbers immediately following the shipping descriptions for those Items.

Item 10. Containers (Number and Type)

Enter the number of containers for each waste and the appropriate abbreviation from Table I (below) for the type of container.

TABLE I.--TYPES OF CONTAINERS

BA = Burlap, cloth, paper, or plastic bags.	DT = Dump truck.
CF = Fiber or plastic boxes, cartons, cases.	DW = Wooden drums, barrels, kegs.
CM = Metal boxes, cartons, cases (including roll-offs).	HG = Hopper or gondola cars.
CW = Wooden boxes, cartons, cases.	TC = Tank cars.
CY = Cylinders.	TP = Portable tanks.
DF = Fiberboard or plastic drums, barrels, kegs.	TT = Cargo tanks (tank trucks).
DM = Metal drums, barrels, kegs.	

Item 11. Total Quantity

Enter, in designated boxes, the total quantity of waste. Round partial units to the nearest whole unit, and do not enter decimals or fractions. To the extent practical, report quantities using appropriate units of measure that will allow you to report quantities with precision. Waste quantities entered should be based on actual measurements or reasonably accurate estimates of actual quantities shipped. Container capacities are not acceptable as estimates.

Item 12. Units of Measure (Weight/Volume)

Enter, in designated boxes, the appropriate abbreviation from Table II (below) for the unit of measure.

TABLE II.--UNITS OF MEASURE

G = Gallons (liquids only).	N = Cubic Meters.
K = Kilograms.	P = Pounds.
L = Liters (liquids only).	T = Tons (2000 Pounds).
M = Metric Tons (1000 kilograms).	Y = Cubic Yards.

Note: Tons, Metric Tons, Cubic Meters, and Cubic Yards should only be reported for very large bulk shipments, such as rail cars, tank trucks, or barges.

Item 13. Waste Codes

Enter up to six federal and state waste codes to describe each waste stream identified in Item 9b. State waste codes that are not redundant with federal codes must be entered here, in addition to the federal waste codes which are most representative of the properties of the waste.

Item 14. Special Handling Instructions and Additional Information

1. Generators may enter any special handling or shipment-specific information necessary for the proper management or tracking of the materials under the generator's or other handler's business processes, such as waste profile numbers, container codes, bar codes, or response guide numbers. Generators also may use this space to enter additional descriptive information about their shipped materials, such as chemical names, constituent percentages, physical state, or specific gravity of wastes identified with volume units in Item 12.
2. This space may be used to record limited types of federally required information for which there is no specific space provided on the manifest, including any alternate facility designations: the manifest tracking number of the original manifest for rejected wastes and residues that are re-shipped under a second manifest; and the specification of polychlorinated biphenyl (PCB) waste descriptions and PCB out-of-service dates required under 40 CFR 761.207. Generators, however, cannot be required to enter information in this space to meet state regulatory requirements.

Item 15. Generator's/Officer's Certifications

1. The generator must read, sign, and date the waste minimization certification statement. In signing the waste minimization certification statement, those generators who have not been exempted by statute or regulation from the duty to make a waste minimization certification under section 3002(b) of RCRA are also certifying that they have complied with the waste minimization requirements. The Generator's Certification also contains the required attestation that the shipment has been properly prepared and is in proper condition for transportation (the shipper's certification). The content of the shipper's certification statement is as follows: "I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent." When a party other than the generator prepares the shipment for transportation, this party may also sign the shipper's certification statement as the offeror of the shipment.
2. Generator or Offeror personnel may preprint the words "On behalf of" in the signature block or may hand write this statement in the signature block prior to signing the generator/offeror certification, to indicate that the individual signs as the employee or agent of the named principal.

Note: All of the above information except the handwritten signature required in Item 15 may be pre-printed. (Handwritten signatures are not applicable if the generator is preparing and signing an electronic manifest using EPA's e-Manifest system.)

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