

EXHIBIT C



Environmental Legacy Management Group
720 East Butterfield Road, Suite 400
Lombard, IL 60148

Via UPS
1Z28W70A0199627166

October 27, 2023

Ms. Jacqueline M. Cooperider
Manager, Permit Section
Illinois Environmental Protection Agency
Bureau of Land, Permit Section - #33
1021 North Grand Avenue East
Springfield, IL 62702

RE: 0310390001 – Cook County
CID Recycling and Disposal Facility
ILD010284248
RCRA Log No. B-27R2
Class 1* Permit Modification Application
Updated Post-Closure Care Cost Estimates

Dear Ms. Cooperider,

Waste Management of Illinois, Inc., as the permitted owner and operator of the CID Recycling and Disposal Facility (CID RDF), in accordance with 35 IAC 703.281, hereby submits this Class 1* Permit Modification application to update the facility's post-closure care cost estimate.

General revisions to the estimates are summarized below:

- the estimates have been reviewed and adjusted for inflation pursuant to permit condition VI.35.a;
- the period for post-closure care has been adjusted based on the current year; and
- the corrective action cost estimate has been updated to reflect the corrective action program approved in Log No. B-27R2-M-5, in accordance with permit condition IV.F.5.

Changes in tasks and third-party costs include the following:

- sampling and analytical costs have been revised to reflect cost increases due to changes in scope in 2023. Cost documentation is provided in Attachment 3;
- leachate monitoring and reporting costs were revised to reflect new requirements for electronic reporting triggered by the issuance of permit B-27R2;
- the cost for 10-year aerial topography was revised to reflect one fewer survey required, as the first survey was completed for Areas 3 and 4 on March 15, 2023; and



- the duration of corrective action at Area 3 was revised to be consistent with Area 1 and 2 corrective action estimates.

Applicable information required by Sections 703.181 through 703.185, 703.201 through 703.207, 703.221 through 703.225, and 703.230 can be found in the facility's approved permit application and the permit log identified above. A completed 39(i) certification form and an LPC-PA23 form are provided in Attachment 1. Revised tables I-4, I-5 and I-6 are provided in Attachment 2.

Also, WMIL also proposes an anniversary date of September 31st for the annual post-closure care cost estimate be included in permit condition VI.35.a. This is proposed for clarity since previous permits have not included a specific date for submittal of updated estimates.

In accordance with 35 IAC 703.281(a)(2), WMIL will provide a written notification of this permit modification to all recipients on the facility's mailing list within 90 days of approval by the Agency.

Should agency personnel have any questions regarding this report, or require any additional information, please contact me at (224) 523-1736 or schillso@wm.com.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. {35 IAC 702.126(d)}

Sincerely,
Waste Management of Illinois, Inc.



Steve Chillson, P.G.
District Manager
Environmental Legacy Management Group

Attachments

cc: Facility Operating Record
Facility Correspondence File

October 27, 2023

CID RDF

Class 1 Permit Modification Application*

Attachment 1

Permit Forms



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

39(i) Certification for Operating a Waste Management Facility

Pursuant to 415 ILCS 5/39(i), prior to issuing any RCRA permit, or any permit for a waste storage site, sanitary landfill, waste disposal site, waste transfer station, waste treatment facility, waste incinerator, clean construction or demolition debris fill operation, or used tire storage site, the Illinois EPA must conduct an evaluation of the prospective owner's or operator's prior experience in waste management operations, clean construction or demolition debris fill operations, and tire storage site management. As part of that evaluation please complete and submit this form with your permit application.

This form may be completed online and saved locally before printing, signing and submitting it to the Illinois EPA at the address below. If the form is completed manually, please type or print clearly.

Illinois Environmental Protection Agency
Division of Land Pollution Control - #33
39(i) Certification
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

I. Applicant Information

Site Name CID Recycling and Disposal Facility IEPA BOL No.: 0310390001

Site Address 138th Street and Interstate 94, P.O. Box 1309

City: Calumet City State: IL Zip Code: 60409

Permit Numbers (if applicable): B-27R

Owner

Operator

Owner Name: Waste Management of Illinois, Inc.

Operator Name: Waste Management of Illinois, Inc.

Street Address: 720 East Butterfield Road, Suite 400

Street Address: 720 East Butterfield Road, Suite 400

City: Lombard State: IL Zip: 60148

City: Lombard State: IL Zip: 60148

Is this 39(i) certification for the owner or the operator?

Owner Operator Owner and operator are the same entity

II. Officers and Employees with Site Responsibility

Unless the owner and operator are the same entity, a separate 39(i) form must be submitted for both the owner and operator. Persons operating under the authority of the owner should be listed on the owner's 39(i) form and persons operating under authority of the operator should be listed on the operator's 39(i) form.

A. Officers: List the name and title of all officers of the owner or operator that will have personal involvement or active participation in the operation or management of the site or facility for which the application is submitted.

Name	Title

B. Employees: List the name and title of each employee of the owner or operator that will have personal involvement or active participation in the overall operation or management of the site or facility for which the application is submitted (e.g. site managers, site engineers, and other persons who direct or control the overall day-to-day management of the operation, but not persons whose duties are exclusively limited to equipment operation, labor, or similar non-managerial functions).

Name	Title
Steven Chillson	District Manager, Environmental Legacy Management Group
Lawrence J. Buechel	Area Director

III. Owner, Operator, Officer, and Employee Information

A. Prior Conduct Identification

The applicant must answer each of the following questions for every owner or operator, and for any officer or employee identified under Section II. If the answer to any of the following questions is affirmative, the applicant must complete an Attachment A for each person for whom the answer is affirmative and include a copy of each final administrative or judicial determination that required an affirmative response. If the information for each owner, operator, officer, and employee has not changed since the applicant's last submission of a 39(i) certification, the applicant can skip to Section III(C), below.

- 1) Has there been a finding that any person named in Section II violated federal, State, or local laws, regulations, standards, or ordinances in the operation of one or more waste management facilities or sites, clean construction or demolition debris fill operation facilities or sites, or tire storage sites? Yes
 No
- 2) Has any person named in Section II ever been convicted in this or another State of any crime which is a felony under the laws of this State, or convicted of a felony in a federal court; or convicted in this or another state or federal court of any of the following crimes: forgery, official misconduct, bribery, perjury, or knowingly submitting false information under any environmental law, regulation, or permit term or condition? Yes
 No
- 3) Has there been a finding against any person named in Section II of gross carelessness or incompetence in handling, storing, processing, transporting or disposing of waste, clean construction or demolition debris, or used or waste tires, or a finding of gross carelessness or incompetence in using clean construction or demolition debris as fill? Yes
 No

B. Pending Proceedings

The applicant must answer each of the following questions for every owner or operator, and for any officer or employee identified in Section II. If the answer to any of the following questions is affirmative, the applicant must complete an Attachment A for each person for whom the answer is affirmative and provide information identified in Attachment A regarding the pending proceeding.

1. Is there any proceeding currently pending against any person named in Section II that could result in a conviction or finding described in subsection A, above? Yes
 No
2. Is there any proceeding currently pending against any person named in Section II that could result in the reversal of a conviction or finding described in subsection A, above? Yes
 No

C. Prior Application Information

If (i) the applicant has previously submitted the Attachments required pursuant to subsections A and B above and (ii) the Attachments previously submitted are still complete, true, and correct, then the applicant does not need to include Attachments with this submission if the following box is checked:

By checking this box, I affirm that the Attachments previously submitted are still complete, true, and correct and wish to incorporate them into this Certification.

If the above box is checked, identify the application that contains the previously submitted Attachments that are complete, true, and correct.

Authorization for Release of Information

This Certification must be signed by an officer of the applicant.

The undersigned authorizes any representative of the Illinois Environmental Protection Agency bearing this release to obtain any information from the Illinois State Police pertaining to the criminal records of the applicant and hereby directs the Illinois State Police to release such information upon request of the bearer. The undersigned authorizes a review of and full disclosure of all records, or any part thereof, concerning the applicant's criminal records by and to a duly authorized agent of the Illinois Environmental Protection Agency, whether the records are of public, private, or confidential nature. The intent of this authorization is to give consent for full and complete disclosure of the applicant's criminal records.

The undersigned fully understands that any information which is developed directly or indirectly, in whole or in part, as a result of this authorization will be considered in determining whether a permit shall be issued by the Illinois Environmental Protection Agency under the Environmental Protection Act [415 ILCS 5]. The undersigned further agrees to release the Illinois State Police and the Illinois Environmental Protection Agency, its agents and designees under this release, from any and all liability which may be incurred as a result of compliance with this authorization for release of information.

Certification Statements

I certify under penalty of law that the information submitted, including information on any Attachments submitted as part of or incorporated into this Certification, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))



Signature of Applicant Officer

JAMES A. WILSON
Vice President

06/28/2023

Date

James A. Wilson

Printed Name

Vice President, Waste Management of Illinois, Inc.

Title



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

RCRA Permit Application Form (LPC-PA23)

This form must be used for any permit application for a hazardous waste management facility regulated in accordance with RCRA, Subtitle C, including all requests to modify an existing permit. One original and three (3) copies, of all permit applications must be submitted. Attach the original and appropriate number of copies of a cover letter, any necessary plans, specifications, reports, forms, (e.g., corrective action certification form), and any other certifications etc. to fully support and describe the activities or modifications being proposed. Attach sufficient information to demonstrate compliance with all applicable regulatory requirements. Applications without this form will be deemed incomplete. Please refer to the RCRA checklist and decision guide documents for further guidance. For RCRA corrective action, this form should only be used if requesting an actual modification to a RCRA permit. A RCRA Corrective Action Certification form should be used in all other instances.

Note: Permit applications which are hand-delivered to the Bureau of Land, Permit Section must be delivered to 1021 North Grand Avenue East between the hours of 8:30 a.m. to 5:00 p.m., Monday through Friday (excluding State holidays).

Please type or print all information legibly.

I. Site Identification

Site # (Illinois EPA): 0310390001 USEPA ID Number: ILD010284248

Site Name: CID Recycling and Disposal Facility

Physical Site Location (street, road, etc.): 138th Street and Interstate 94, P.O. Box 1309

City: Calumet City Zip Code: 60409 County: Cook

Existing RCRA Permit (if applicable): B-27R

II. Owner/Operator Identification

Owner Information

Name: Waste Management of Illinois, Inc.

Mailing Address:

Environmental Legacy Management Group
720 East Butterfield Road, Suite 400
Lombard, IL 60148

Contact Name: Steve Chillson

Phone #: 224-523-1736

Email: schillso@wm.com

Operator Information

Name: Waste Management of Illinois, Inc.

Mailing Address:

Environmental Legacy Management Group
720 East Butterfield Road, Suite 400
Lombard, IL 60148

Contact Name: Steve Chillson

Phone #: 224-523-1736

Email: schillso@wm.com

A 39(i) certification must be submitted with information concerning the following persons or entities:

- the owner of the business entity applying for the permit;
- the operator of the business entity applying for the permit;
- each employee or officer of the owner or operator who signed the permit application or has managerial authority at the site; and
- any additional owner, operator, or officer or employee of the owner or operator from whom a certification is requested by the Illinois EPA, including any officer or employee who will be responsible for overseeing or implementing regulated activities governed by the permit.

III. Permit Application Identification

Application Type

- | | | |
|--|--|---|
| <input type="checkbox"/> New Part B Permit | <input type="checkbox"/> Class 1 Modification | <input type="checkbox"/> Remedial Action Plan Permit (RAPP) |
| <input type="checkbox"/> Part B Permit Renewal | <input checked="" type="checkbox"/> Class 1* (prior approval required) Modification | <input type="checkbox"/> Sig RAPP Modification |
| | <input type="checkbox"/> Class 2 Modification | <input type="checkbox"/> Non Sig RAPP Modification |
| | <input type="checkbox"/> Class 3 Modification | <input type="checkbox"/> Major UIC Modification |
| | <input type="checkbox"/> Additional information to supplement UIC Class I application Log Number | <input type="checkbox"/> Minor UIC Modification |

This Application Involves

- | | | | |
|--------------------------------------|---|--|---------------------------------------|
| <input type="checkbox"/> Storage | <input type="checkbox"/> Treatment | <input checked="" type="checkbox"/> Disposal | <input type="checkbox"/> Incineration |
| <input type="checkbox"/> Groundwater | <input checked="" type="checkbox"/> Corrective Action | <input type="checkbox"/> UIC Class I | <input type="checkbox"/> UIC Class V |

Description of This Permit Request: (Include a brief narrative description here.)

Application providing updated post-closure cost estimates in accordance with permit conditions IV.F.5 and VI.35.a.

IV. SIGNATURES

Original signatures required. Signature stamps or applications transmitted electronically or by facsimile are not acceptable. All applications shall be signed by the person in accordance with 35 IAC 702.126(a).

Please check the box of the appropriate certification.

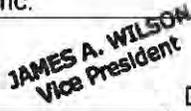
Owner

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons that manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Alternative owner certification. For remedial action plans (RAPs) permit under Subpart H of 35 IAC 703, the owner may choose to make the following certification instead of the certification above.

Based on my knowledge of the conditions of the property described in the RAP and my inquiry of the person or persons that manage the system referenced in the operator's certification, or those persons directly responsible for gathering the information, the information submitted is, upon information and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner Name (Printed or Typed): Waste Management of Illinois, Inc.

Owner Signature:   Date: 06/28/2023

Title: James A. Wilson, Vice President, Waste Management of Illinois, Inc.

Operator

I certify under penalty of law that this document and all attachment were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons that manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information.

Operator Name (Printed or Typed): Same

Operator Signature: *James A. Wilson*

JAMES A. WILSON
Vice President

Date: 06/28/2023

Title: Same

Notary (Required for both owner and operator signatures)

Subscribed and Sworn before me this 28th day of JUNE 2023

Notary Signature: *Vidya Shirish Darshane*



My commission expires on: 10/21/2023

Notary Seal

Engineer

I certify under penalty of law that this document and all attachment were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons that manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information.

Engineer Name (Print or Type): Edward Doyle

Engineer Signature: *Edward Doyle*

Illinois License No.: 062-0048126

Expiration Date of License: 11/30/2023

Engineer Phone No. 630-254-9388

Email: edoyle@EILLLC.com

Engineer Address:

534 Duane Street
Glen Ellyn, IL 60137-4676



*IL Design Firm
Registration #
184004752-0002
Renewal Date
4/30/2005*

Engineer Seal

All information submitted as part of the Application is available to the public except when specifically designated by the Applicant to be treated confidentially as a trade secret or secret process in accordance with Section 7(a) of the Environmental Protection Act, applicable Rules and Regulations of the Illinois Pollution Control Board and applicable Illinois EPA rules and guidelines.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Instructions for RCRA Permit Application Form LPC-PA23

The following instructions are designed to aid in the completion of the RCRA Permit Application Form LPCPA23. If you have additional questions regarding the form, or the informational requirements, please contact the Illinois EPA Bureau of Land (BOL) Permit Section at 217-524-3300.

This form must be used for any permit application for a hazardous waste management facility regulated in accordance with RCRA, Subtitle C, including all requests to modify an existing permit. If an application has already been submitted to the Agency, a completed RCRA Permit Application Form must accompany all additional information that is submitted to the agency for that application. An example of "additional information" would be a response to verbal or written comments from the Agency. For RCRA corrective action, this form should only be used if requesting an actual modification to a RCRA permit. A RCRA Corrective Action Certification form should be used in all other instances.

I. Site Identification

Enter all of the required information in the space provided. If you do not have an Illinois or USEPA identification number, call the Illinois EPA BOL Waste Reduction and Compliance Section at 217-785-8604 to obtain these numbers prior to completing the form.

II. Owner/Operator Identification

The terms "owner" and "operator" are defined at 35 IAC 720.110 and 702.110. If the facility has the same owner and operator, you may type in "same" under operator information. Also, if the contact person for an application is different from the owner or operator (i.e. the consultant), please indicate this in the cover letter for the application.

III. Permit Application Identification

Indicate both the type of application and the kind of waste management involved. For instance, if the application involves more than one type of waste management, check all applicable options.

IV. Signatures

The signatory requirements for permit applicants are identified at 35 IAC 702.126 and 702.151. If the facility has the same owner and operator, you may type in "same" under operator information.

Notary Public: A notary public's signature and stamp are required for both the owner and operator signatures on the form.

Engineer Certification: A professional engineer that is licensed in the State of Illinois must certify all technical information provided in a permit application. 35 IAC 703.182 describes the types of information that must be certified by a professional engineer.

October 27, 2023
CID RDF
Class 1 Permit Modification Application*

Attachment 2

Updated Cost Estimate Tables I-4, I-5 and I-6

TABLE I-4
CID RDF POST-CLOSURE COST ESTIMATE
AREA 3 LANDFILL

NOTE: Area 3 landfill was certified closed on October 10, 2008. Post-closure activities for the Area 3 Landfill commenced in 2008.

#	TASK	Units	Quantity	#/yr	# yrs	Unit Cost ¹	Extended Cost ²	Qual. ³
1	Mow and fertilize (if required) cover area (170 acres total)	acre	170	1	15	\$73	\$186,150	I
2	Dress and re-seed 3% of cover area (PC Year 17, 22 and 27)	acre	5	1	3	\$2,239	\$34,257	I
3	Landfill cap and surface water management system maintenance	LS	1	1	15	\$1,336	\$20,040	I
4	Semi-annual Inspection	each	1	2	15	\$402	\$12,060	I
5	Groundwater monitoring (Sampling & Analysis)							
6	- Routine Sampling (14 wells)	each	1	2	15	\$3,300	\$99,000	C
7	- Routine Analyses (14 wells)	each	1	2	15	\$3,848	\$115,440	C
8	- North Side GMZ Monitoring and Sampling (14 wells)	each	1	2	10	\$4,520	\$90,400	C
9	- South Side GMZ Monitoring and Sampling (16 wells)	each	1	2	10	\$3,375	\$67,500	C
10	- North Side GMZ Analyses (14 wells)	each	1	2	10	\$4,788	\$95,760	C
11	- South Side GMZ Analyses (16 wells)	each	1	2	10	\$3,780	\$75,600	C
12	5-Year GMZ Re-evaluation	each	1	1	2	\$10,000	\$20,000	C
13	Groundwater remediation system operation and maintenance	LS	1	1	10	\$12,917	\$129,170	I
14	Groundwater Well Survey (Biennial)	each	1	0.5	15	\$1,271	\$9,533	I
15	Groundwater Data Review, Reporting and Statistics	each	1	1	15	\$10,569	\$158,535	I
16	Security and fencing maintenance (10,200 lineal feet total)	feet	2% total	1	15	\$6.96	\$21,285	I
17	Leachate, condensate and extracted groundwater treatment and disposal (average of last 4 yrs)	gal	10,011,509	1	15	\$0.0700	\$10,512,084	A ⁴ , C
18	Leachate level monitoring and reporting	LS	1	1	15	\$5,800	\$87,000	C
19	Leachate Sampling & Analysis (35 IAC 724 Appendix I parameters)	LS	1	1	15	\$3,611	\$54,165	C
20	Leachate/Gas system maintenance	LS	1	1	15	\$33,406	\$501,090	I
21	Gas flare system maintenance	LS	1	1	15	\$10,692	\$160,380	I
22	Decommissioning of landfill gas system	LS	1	1	1	\$80,177	\$80,177	I
23	Landfill Gas Monitoring - Flare: Annual gas sampling and Visible Emission (VE) testing	LS	1	1	15	\$2,472	\$37,080	I
24	Landfill Gas Monitoring - Gas Turbine: Semi-annual sulfur analysis	LS	1	2	15	\$1,094	\$32,820	I
25	Landfill Gas monitoring - Gas Turbine: Semi-annual sulfur analysis and V.E. testing	LS	1	2	15	\$1,793	\$53,790	I
26	Air Monitoring - Subpart BB and CC Monitoring	each	1	1	15	\$5,750	\$57,500	C
27	Post-closure certification report	LS	1	1	1	\$13,362	\$13,362	I
28	Inspect benchmarks semi-annually and survey unit once every 10 years (annualized cost for survey in 2033)	LS	1	1	15	\$180	\$2,700	C
29	TOTAL						\$12,726,878	

Notes:

- Unit costs are rounded to the number of decimal places shown.
- Extended costs are rounded to the nearest dollar.
- Qualifiers: C - Current cost; I - Costs were inflated to 2023 dollars by multiplying 2021 unit costs by 1.0413 and 1.07, the 2022 and 2023 inflations factors provided by IEPA.
- A - Average 2019 = 12,555,405; 2020 = 10,675,389; 2021 = 6,812,333; 2022 = 10,002,909)

TABLE I-5
CID RDF POST-CLOSURE COST ESTIMATE
AREA 4 LANDFILL

NOTE: Area 4 landfill was certified closed on April 23, 2010. Post-closure activities for the Area 4 Landfill commenced in 2010.

#	TASK	Units	Quantity	#/yr	# yrs	Unit Cost ¹	Extended Cost ²	Qual. ³
1	Mow and fertilize (if required) cover area (26 acres total)	acre	26	1	17	\$ 73	\$32,266	I
2	Dress and re-seed 3% of cover area (PC Year 17, 22 and 27)	acre	1	1	3	\$ 2,218	\$6,654	I
3	Landfill cap and surface water management system maintenance	LS	1	1	17	\$ 1,336	\$22,712	I
4	Semi-annual Inspection	each	1	2	17	\$ 402	\$13,668	I
5	Groundwater Monitoring (9 Dolomite wells and 10 Sand wells)							
6	- Sampling	each	1	2	17	\$ 5,015	\$170,510	C
7	- Analyses	each	1	2	17	\$ 5,204	\$176,936	C
8	Groundwater Well Survey (Biennial)	each	1	0.5	17	\$ 984	\$8,364	I
9	Groundwater Data Review, Reporting and Statistics	each	1	1	17	\$ 4,227	\$71,859	I
10	Security and fencing maintenance (7,200 lineal feet total)	feet	2% total	1	17	\$ 6.95	\$17,014	I
11	Leachate treatment and disposal (average of last 4 years)	gal	1,534,699	1	17	\$0.0700	\$1,826,292	A ⁴ , C
12	Leachate level monitoring and reporting	LS	1	1	17	\$ 5,800	\$98,600	C
13	Leachate Sampling & Analysis (35 IAC 724 Appendix I parameters)	LS	1	1	17	\$ 1,217	\$20,689	C
14	Leachate system maintenance	LS	1	1	17	\$17,371	\$295,307	I
15	Post-closure certification report	LS	1	1	1	\$16,703	\$16,703	I
16	Inspect benchmarks and survey unit once every 5 years (annualized cost for survey in 2033)	LS	1	1	17	\$ 36	\$612	C
17	TOTAL						\$2,778,186	

Notes:

1. Unit costs are rounded to the number of decimal places shown.
2. Extended costs are rounded to the nearest dollar.
3. Qualifiers: C - Current cost; I - Costs were inflated to 2023 dollars by multiplying 2021 unit costs by 1.0413 and 1.07, the 2022 and 2023 inflations factors provided by IEPA.
4. A = average (2019 = 2,139,521; 2020 = 1,571,969; 2021 = 1,220,137; 2022 = 1,207,170)

TABLE I-6
CID RDF - CORRECTIVE ACTION COST ESTIMATE

The approved correction action program for the SWMUs of concern (Area 1 and 2 landfills) consists of the following tasks. Costs are based on 10 years of corrective action.

#	TASK	Cost Per Year	# yrs	Extended Cost ¹	Qual. ²
1	Operation and maintenance of a landfill gas management system for each landfill (Area 1)				
2	Landfill gas monitoring system - monthly checks of the extraction wells	\$4,468	10	\$44,680	I
3	Landfill gas monitoring system - semi-annual bar hole probe monitoring and river observations	\$400	10	\$4,000	C
4	Operation and maintenance of a leachate management system for each landfill				
5	Leachate management system - monthly checks of the removal wells and underground storage tank systems.	\$31,142	10	\$311,420	I
6	Leachate/contaminated groundwater treatment and disposal (15,253,633 gallons/year)	\$1,067,754	10	\$10,677,540	A ³ ,C
7	Quarterly groundwater piezometer level measurements for leachate compliance determinations	\$420	10	\$4,200	C
8	Inspecting/maintaining the final cover of each landfill				
9	Landfill cover for Areas 1 and 2 – quarterly checks for settlement, erosion and vegetative stress	\$1,338	10	\$13,380	I
10	Landfill cover maintenance (erosion, stressed vegetative areas, mowing, fertilizing and reseeded)	\$15,155	10	\$151,550	I
11	Maintenance of signs, fencing, security systems (6,460 lineal feet total)	\$899	10	\$8,990	I
12	Maintenance of run-on, run-off and stormwater control structures	\$3,067	10	\$30,670	I
13	TOTAL OPERATION AND MAINTENANCE COST			\$11,246,430	
14	Corrective Measures as required by B-27R2-M-5, issued October 11, 2023				
15	Groundwater remediation system operation and maintenance	\$5,872	10	\$58,720	I
16	Groundwater remediation system quarterly inspection	\$8,220	10	\$82,200	I
17	Extracted groundwater treatment (included in Line 6, Leachate/contaminated groundwater treatment and disposal)	\$0	10	\$0	C
18	Groundwater Management Zone permit applications	\$8,220	1	\$8,220	I
19	Phytoremediation system annual inspection and maintenance	\$6,475	10	\$64,750	I
20	Phytoremediation system quarterly inspections and quarterly Corrective Measures Reports	\$10,599	10	\$105,990	I
21	Leachate level and volume reporting	\$3,200	10	\$32,000	C
22	TOTAL CORRECTIVE MEASURES COST			\$351,880	
23	TOTAL			\$11,598,310	

Notes:

- Extended costs are rounded to the nearest dollar.
- Qualifiers: C - Current cost; I - Costs were inflated to 2023 dollars by multiplying 2021 unit costs by 1.0413 and 1.07, the 2022 and 2023 inflations factors provided by IEPA.
- A = Average (2019 = 19,300,132; 2020 = 15,584,838; 2021 = 10,420,768; 2022 = 15,708,795)

October 27, 2023

CID RDF

Class 1 Permit Modification Application*

Attachment 3

Post-Closure Cost Documentation

[Menu](#)

EurofinsUS.com >> MyEOL >> Sites & Projects >> Project

Site/Project: CID RDF (Area 3)

Site/Project Analyses Jobs Events Access Rights

Primary Lab: Eurofins Buffalo

Phone: [REDACTED]

Lab PM: [REDACTED]

[Report Project Issues](#)

Site Configuration History

Select approval/version: Current Configuration ▼

Key Contacts

Site [Mary Pearson](#) EIL

Manager: Phone: (630) 240-8606
 Email: mpearson@eilllc.com

GPP: [Seth Ramaley](#) Waste Management

 Phone: (404) 556-2145
 Email: sramaley@wm.com

Site [Steve Chillson](#) Waste Management

Manager: Phone: (224) 523-1736
 Email: schillso@wm.com

Current Configuration Approval

Approval is currently disabled. To approve this site, please first review and approve all the underlying events. Then please return to this page to approve the site.

[Highlight unapproved events](#)

Events

					Year: 2023 ▼			
Type	Description	Event ID	Frequency	Cost Per Event	Events	Budget	Invoiced	Approved
200	Area 3 Outside GMZ Dolomite Wells	121	Semi-Annual	\$3,078.00	2	\$6,156.00	\$3,078.00	2/15/2018 1:33pm CST by: Lisa Grassl
200	Area 3 Outside GMZ Dolton Sand Wells	159	Semi-Annual	\$813.00	2	\$1,626.00	\$890.00	2/15/2018 1:32pm CST by: Lisa Grassl
Subtotal:						\$7,782.00	\$3,968.00	
400	Area 3 North GMZ Dolomite Wells	97	Semi-Annual	\$4,788.00	2	\$9,576.00	\$4,788.00	2/15/2018 2:43pm CST by: Lisa Grassl
400	Area 3 South GMZ Dolomite Wells	4617	Semi-Annual	\$2,394.00	2	\$4,788.00	\$2,394.00	2/15/2018 1:34pm CST by: Lisa Grassl
400	Area 3 South GMZ Dolton Sand Wells	3725	Semi-Annual	\$1,386.00	2	\$2,772.00	\$2,777.00	2/15/2018 1:33pm CST by: Lisa Grassl
Subtotal:						\$17,136.00	\$9,959.00	
500	Area 3 Leach (1Q) 35IAC 724 App I (2026)	376	Special	\$3,411.00	1	\$3,411.00	\$3,411.00	1/25/2017 4:16pm CST by: Lisa Grassl
500	Leach 35IAC 724 App I Reduced (1Q)	4857	Annual	\$1,211.00	0	\$0.00	\$0.00	Never approved.
Subtotal:						\$3,411.00	\$3,411.00	
Other Charges							\$1,693.81	
Total:						\$28,329.00	\$19,031.81	

Deliverables (Expand All)

Menu

EurofinsUS.com >> MyEOL >> Sites & Projects >> Project

Site/Project: **CID RDF (Area 4)**

Site/Project Analyses Jobs Events Access Rights

Primary Lab: Eurofins Buffalo

Phone: [REDACTED]

Lab PM: [REDACTED]

[Report Project Issues](#)

Site Configuration History

Select approval/version: Current Configuration ▼

Key Contacts

Site [Mary Pearson](#) EIL

Manager: Phone: (630) 240-8606
Email: mpearson@eilllc.com

GPP: [Seth Ramaley](#) Waste Management

Phone: (404) 556-2145
Email: sramaley@wm.com

Site [Steve Chillson](#) Waste Management

Manager: Phone: (224) 523-1736
Email: schillso@wm.com

Current Configuration Approval

Approval is currently disabled. To approve this site, please first review and approve all the underlying events. Then please return to this page to approve the site.

[Highlight unapproved events](#)

Events

					Year: 2023 ▼			
Type	Description	Event ID	Frequency	Cost Per Event	Events	Budget	Invoiced	Approved
200	Area 4 Dolton Sand (4,10)	134	Semi-Annual	\$1,521.00	2	\$3,042.00	\$1,598.00	2/15/2018 1:29pm CST by: Lisa Grassl
200	GW Monitoring (4,10)	139	Semi-Annual	\$3,726.00	2	\$7,452.00	\$3,726.00	2/15/2018 1:29pm CST by: Lisa Grassl
Subtotal:						\$10,494.00	\$5,324.00	
500	Leach (1Q) 35 AC 724, App I Reduced L331	4858	Annual	\$537.00	0	\$0.00	\$0.00	Never approved.
500	Leachate (1Q) 35 AC 724, App I (2026)	142	Special	\$1,137.00	1	\$1,137.00	\$1,137.00	1/25/2017 3:27pm CST by: Lisa Grassl
Subtotal:						\$1,137.00	\$1,137.00	
Other Charges							\$631.07	
Total:						\$11,631.00	\$7,092.07	

Deliverables (Expand All)

Erin Yargicoglu Environmental Information Logistics (EIL)

Exhibit A Addendum to the Master Service Agreement for Professional Consulting Services	WM AFFILIATE NAME _____ WM ADDENDUM #: _____
Date: August 9, 2023	Cell: _____
Site Name: CID Recycling and Disposal Facility	Infrastructure: _____
Project Name: 2024 Area 1-4 Groundwater, Surface Water, Gas, and Leachate Monitoring Program	Misc.: _____

In accordance with the Master Service Agreement for Consulting Services dated May 4th, 2011 between [REDACTED] and WASTE MANAGEMENT HOLDINGS, INC., on behalf and for the benefit of its subsidiaries and affiliates ("WM Affiliates") this Addendum describes the Work and/or additional deleted or changed Work to be performed by the Consultant in consideration for payment of the Agreement Price by the WM Affiliate for whom the Work is to be performed (If this is a modification to an existing Addendum, this shall be indicated by using an A, B, or C suffix to the addendum number below).

Steve Chillson
WM Affiliate Representative for this work
A detailed SCOPE of WORK and corresponding prices dated 10/12/2021 is attached to this addendum and made a part hereof. "Type" of Agreement Price shall be indicated below: "1" for firm lump sum price; "2" for guaranteed not to exceed price.

[REDACTED]
CONSULTANT'S Project Manager for this work

SCOPE OF WORK AND AGREEMENT	TY	A	B	C	TOTAL
TASK DESCRIPTION					
Task 1 – Area 1-3 Semi-Annual Groundwater (2Q/4Q)	1,2	\$3,300.00			\$6,600.00
Task 2 – Area 3 North Side Corrective Action (2Q/4Q) Monitoring/Sampling	1,2	\$3,325.00			\$6,650.00
Task 3 – Area 3 South Side Corrective Action (2Q/4Q) Monitoring/Sampling	1,2	\$3,325.00			\$6,650.00
Task 4 – Area 3 North Side Corrective Action (1Q/3Q) Monitoring	1,2	\$1,195.00			\$2,290.00
Task 5– Area 3 South Side Corrective Action (1Q/3Q) Flow Readings and Levels	1,2	\$50.00			\$100.00
Task 6 – Area 1 Annual (1Q) Leachate	1,2	\$80.00			\$80.00
Task 7– Area 2 Annual (1Q) Leachate	1,2	\$80.00			\$80.00
Task 8 – Area 3 Annual (1Q) Leachate	1,2	\$200.00			\$200.00
Task 9 – Area 1-2 Quarterly Piezometers	1,2	\$105.00			\$420.00
Task 10 – Semi-Annual Barholes (2Q/4Q)	1,2	\$200.00			\$400.00
Task 11 – Area 4 Semi-Annual Groundwater (2Q/4Q)	1,2	\$5,015.00			\$10,030.00
Task 12 – Area 4 Annual Leachate (1Q)	1,2	\$80.00			\$80.00
Task 13 – Area 1 Quarterly NPDES Monitoring/ Sampling/Analysis	1,2	\$1,025.00			\$4,100.00
Task 14 – Annual (3Q) Subpart BB Monitoring	1,2	\$515.00			\$515.00
Task 15 – Annual (3Q) Subpart CC Monitoring and Analysis	1,2	\$5,235.00			\$5,235.00
Task 16 - Contingency	1	T&M Rates			N/A – T&M Rates
TOTALS:					\$43,430.00

Period of Performance: This Work and all necessary and required services relating thereto shall be completed by: December 31st, 2024.

Approval and acceptance of the terms and conditions of this Addendum is acknowledged by the signature of the undersigned authorized representatives of the parties to this agreement.

All invoices to be submitted under this Addendum must include the WM Affiliate's Addendum number, be allocated per task as described above and be submitted to: Lisa Grassl, CID Recycling and Disposal Facility, 138th Street and Interstate 94, Calumet City, IL 60409.

Exceeding the agreement price listed above without prior execution of a change order will be at the Consultant's own risk.

This project is governed by the Master Service Agreement referenced above (which is incorporated by reference). Nothing contained on this form will modify the terms and conditions of the Master Service Agreement.

Each Addendum authorizing the Work shall be executed by an authorized representative of the Waste Management, Inc. subsidiary or affiliated company (WM Affiliate) for whom the Work is to be performed.

_____ WM Project Manager	_____ Signature & Date	[REDACTED] Authorized Representative of Consultant (printed)	_____ General Manager
_____ WM District Manager (or Corp. Enviro. Director)	_____ Signature & Date	[REDACTED]	_____ 08/09/2023
_____ WM Group Engineering Director. (or VP Enviro. Mgt. Group) if required	_____ Signature & Date	[REDACTED]	_____ 08/09/2023

February 17, 2023

Erin Yargicoglu, Ph.D.
Environmental Information Logistics, LLC
534 Duane Street
Glen Ellyn, IL 60137

Re: Aerial Topographic Mapping – CID RDF

Dear Ms. Yargicoglu

Thank you for this opportunity to submit a proposal to provide professional mapping services as outlined herein. For purposes of the Agreement, Environmental Information Logistics, LLC will be identified as “CLIENT”, [REDACTED] will be identified as [REDACTED]” or “Consultant”.

SECTION ONE- SCOPE OF SERVICES

TASK 1 – AERIAL MAPPING

[REDACTED] will perform Aerial Mapping of the subject site using a combination of Photogrammetry and LiDAR to the following criteria:

METHODOLOGY

WCG will perform Aerial Mapping of the site(s) using Photogrammetry and/or LiDAR technologies and following criteria:

1. Limits of Mapping Area -The limits of the aerial mapping are shown on the included Site Map(s).
2. Site Control – [REDACTED] will field measure and verify the site control and utilize the provided control points for the mapping of the site. Discrepancies in site control will be reported to Waste Management.
3. Mapping Targets – [REDACTED] will place and field measure any aerial targets required for the mapping of the site.
4. Mapping Accuracy Verification – [REDACTED] will provide ground verified check points to test the accuracy of the data per the stated ACCURACY STANDARDS. Additionally, WCG will compare the current site mapping to the most recent previous mapping to check for accuracy of the mapping data.

ACCURACY STANDARDS

Consultant will acquire and process data using equipment, software, and techniques which will meet or exceed Waste Management Accuracy Standards:

1. Mapping will be produced according to procedures that have been demonstrated to meet or exceed the ASPRS Positional Accuracy Standards for Digital Geospatial Data, 2014
2. Horizontal accuracy must meet the 30cm class in Table B.6. This requirement translates to ~68% of planimetric data within 1.39 feet and ~95% of planimetric data within 2.4 feet.
3. Vertical accuracy must meet the 20cm class in Table B.7. This requirement translates to ~66% of non-vegetated elevation data within 0.66 feet and a ~95% of non-vegetated elevation data within 1.29 feet.
4. Orthophotos must meet the 15cm RMSE class in Table B.5 described as “Standard Mapping and GIS work or 2 pixels. This translates to 66% within 2.82 pixels or 1.41’ (using RMSEr instead of RMSEx and RMSEy).

TIME SCHEDULE

██████ will perform the mapping of the sites in early April of 2023. Deliverables will be provided to the client via digital files on a shared Internet site by May 31, 2023.

DELIVERABLES

Digital deliverables will be provided by an internet-shared file sharing service and include:

1. Computer Aided Design drawing – of the site in AutoCAD format including:
 - a. Features - polylines of visible planimetric features within the mapping area will be shown including existing buildings, edge of paving and paths, and curbs.
 - b. Contour lines displayed in 2-foot and 10-foot index intervals. The index contour lines will be labeled.
 - c. Spot elevations in high and low points and where helpful to clarify the site topography.
 - d. Designate areas of heavy vegetation where achieving Accuracy Standards might not be possible.
 - e. Source of the horizontal and vertical control used in the mapping.
 - f. The aerial image of the site from the day of the flight in the background of the drawing.
2. Adobe Acrobat (PDF) drawings:
 - a. A PDF of the topo with the aerial imagery.
3. LandXML file of the TIN surface.
4. Imagery
 - a. Digital
 - i. A JPG format geo-referenced aerial image. (40 to 100 megabytes in size)
 - ii. The world file (.JGW) for geo-locating the JPG image.
 - iii. The projection file (.PRJ) for geo-locating the images.
 - iv. An “email-able” sized JPG image (6 to 10 megabytes in size)

TASK 2 – ADDITIONAL TOPOGRAPHY

██████ will perform Site Topography of the area between Areas 2 & 3 as shown in Green on the site map to the following criteria:

1. Accuracy within 0.1’.

2. Boundary of topography area as shown in Green on the included Site Map.
3. Measure inverts of visible culverts.

Deliverables: Computer Aided Design drawing and PDF print of the drawing.

SECTION TWO – ASSUMPTIONS AND CLIENT RESPONSIBILITIES

ASSUMPTIONS & CLARIFICATIONS

1. [REDACTED] will have open, clear, and safe access to the Property and required surrounding properties.
2. [REDACTED] will be released to perform the field survey in full day mobilizations during regular business hours.
3. Site-specific issues which cannot be identified at the writing of this proposal might affect [REDACTED] ability to fly the site. If WCG is unable to fly the site, [REDACTED] will notify CLIENT when that issue is identified.
4. Weather-related delays may affect the project delivery date.
5. [REDACTED] will advise client if a Federal Aviation Administration waiver will be required to operate an aircraft above this site and if this may delay the project delivery date.
6. State Plane Horizontal datum and NAVD1988 elevations will be utilized for this mapping.

CLIENT RESPONSIBILITIES

The client will provide [REDACTED] with the following information:

1. **Limits of Mapping Area** -The required limits of the mapping and aerial photography in Google Earth KLM or KMZ file format.
2. **Site Control** - The coordinates and elevations of at least three existing, well-monumented horizontal and vertical control points to be used for the mapping of the site as well as a map and/or drawing of the location of the monuments.
3. **Previous mappings** – A computer-aided design drawing of the most recent previous mapping which includes the surface contours.
4. **Contact information** – Contact information for the person who will coordinate site access for the consultant.

SECTION THREE – FEE SCHEDULE/ HOURLY RATES

WCG proposes to perform the Scope of Work defined herein on a phased fixed fee basis in accordance with this Fee Schedule:

Task 1 – Aerial Mapping.....	\$6,600
Task 2 – Additional Site Topographic Survey	\$2,400

TOTAL ESTIMATED COST:\$ 9,000

Weaver Consultants Group will consider signing and returning the Proposal Acceptance Sheet as our authorization to proceed. Thank you again for the opportunity to submit our proposal on this matter.

Very Truly Yours

A large black rectangular redaction box covering the signature and name of the sender.A small black rectangular redaction box covering the name of the sender.

Director

Attachments:

Site Map

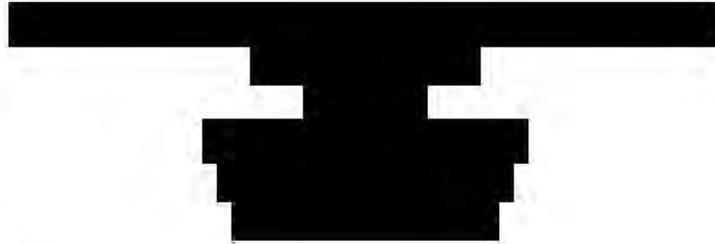
Proposal Acceptance Sheet

SITE MAP

CID RDF Landfill, Calumet City, Illinois
Aerial Mapping Area approx. 425 acres in RED
Topography Area approx. 25 acres in GREEN



PROPOSAL ACCEPTANCE SHEET



Date: February 17, 2023
Description of Services: **Aerial Mapping**
Project Name: **CID RDF Landfill**
Project Location: **Lake Calumet, Illinois**

For approval and payment of charges, invoices will be charged to the account of:
Environmental Information Logistics, LLC
534 Duane Street
Glen Ellyn, IL 60137

Total of services: \$9,000

This AGREEMENT is subject to the attached General Terms and Conditions Version 2009-A1:

This Agreement is accepted by:
Client



By (Signature)

By (Signature)

By (Type/Print)

Kurt Aper

By (Type/Print)

Title

Director

Title

Accepted _____, 2023.
Acknowledge the Terms and Conditions

Accepted February 17, 2023.
Acknowledge the Terms and Conditions