



LANDFILL – SOLID WASTE COMMITTEE

SPECIAL MEETING AGENDA VIRTUAL MEETING

DECEMBER 15, 2021, 3:00 PM

GOVERNOR PRITZKER'S CURRENT DISASTER PROCLAMATION IS IN EFFECT AND EXTENDED STATEWIDE THROUGH DECEMBER 12, AS SUCH, PUBLIC MEETINGS MAY CONTINUE TO BE HELD REMOTELY IN ACCORDANCE WITH PUBLIC ACT (P.A.) 101-0640.

IN COMPLIANCE WITH THE OPEN MEETINGS ACT, THE PEORIA SOLID WASTE COMMITTEE MEETING WILL BE HELD ELECTRONICALLY.

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Landfill COMMISSION AGENDAS AND MINUTES **ISSUED BY: STEPHEN M. MORRIS, CHAIRMAN**

PUBLIC WORKS DEPARTMENT
3505 N. DRIES LANE, PEORIA IL 61604
309-494-8800

INTERNET ADDRESS: www.peoriagov.org

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CITY OF PEORIA – LANDFILL – SOLID WASTE COMMITTEE

VIRTUAL MEETING VIA TEAMS ATTENDANCE

ANNOUNCEMENTS, ETC.

CITIZENS' OPPORTUNITY TO ADDRESS THE COMMITTEE

ANYONE WISHING TO MAKE A PUBLIC COMMENT CAN DO SO BY SENDING THOSE COMMENTS TO PUBLIC WORKS, BY **12:00 P.M.** ON DECEMBER 15, 2021. PUBLIC COMMENTS CAN BE SENT TO THE PUBLIC WORKS DEPARTMENT, IN WRITING, AT **PUBLICWORKS@PEORIAGOV.ORG** OR VIA FAX AT 309-494-8855. THE EMAIL OR FAX SHOULD BE LABELED "PUBLIC COMMENT FOR OCTOBER 27, 2021 PEORIA CITY/COUNTY LANDFILL COMMITTEE MEETING," AND WE ASK THAT YOU INCLUDE YOUR NAME AND ADDRESS.

CITIZENS WISHING TO ADDRESS AN ITEM NOT ON THE AGENDA SHOULD CONTACT A COMMISSION MEMBER PRIOR TO THE MEETING. ALL OTHER PUBLIC INPUT WILL BE HEARD UNDER PUBLIC COMMENT NEAR THE END OF THE COMMITTEE MEETING.

MINUTES

REQUEST FOR APPROVAL OF THE PEORIA CITY/COUNTY LANDFILL
NOVEMBER 18, 2021, MINUTES

AGENDA ITEMS

- ITEM NO. 1** REPORT FROM FOTH INFRASTRUCTION & ENVIRONMENT, LLC
 A. RECEIVE AND FILE MONTHLY REPORT
 B. PROFILED WASTE APPROVALS
 C. SIGNATURE APPROVAL
 D. 2022 BUDGET APPROVAL
- ITEM NO. 2** REPORT FROM PUBLIC WORKS ADMINISTRATION
 A. LANDFILL MONTHLY BUDGET REPORT
- ITEM NO. 3** REPORT FROM WASTE MANAGEMENT
 A. MONTHLY ACTIVITY REPORTS - NOVEMBER 2021
- ITEM NO. 4** REPORT FROM PEORIA DISPOSAL CO.
 A. INTRODUCTION TO GFL ENVIRONMENTAL TEAM
- ITEM NO. 5** FROM CHAIRMAN MORRIS 2022 SCHEDULE APPROVAL

UNFINISHED BUSINESS

DISCUSSION OF COAL COMBUSTION RESIDUE

NEW BUSINESS

NONE

NEXT MEETING

ADJOURNMENT

CITIZENS WISHING TO ADDRESS AN ITEM NOT ON THE AGENDA SHOULD CONTACT A COMMISSION MEMBER PRIOR TO THE MEETING. ALL OTHER PUBLIC INPUT WILL BE HEARD UNDER PUBLIC COMMENT NEAR THE END OF THE COMMITTEE MEETING.

NOTE: THE ORDER IN WHICH AGENDA ITEMS ARE CONSIDERED MAY BE MOVED FORWARD OR DELAYED BY AT LEAST 2/3 VOTE OF THE COMMISSION MEMBERS PRESENT.



DRAFT

**: OFFICIAL PROCEEDINGS:
: FOR THE CITY OF PEORIA – SOLID WASTE COMMITTEE MEETING
THURSDAY, NOVEMBER 18, 2021**

VIRTUAL MEETING VIA TEAMS

Call to Order: Call to order showed the following Landfill Committee Members in attendance:

Members Present: Rick Fox, Stephen Van Winkle, Lester Bergsten, Sharon Williams, Stephen Morris, Zachary Oyler - 6

Members Absent: Timothy Riggerbach - 1

Fox moved to conduct the meeting virtually, seconded by Williams.

Oyler moved to approve Wednesday, September 15 minutes, Seconded by Van Winkle

ANNOUNCEMENTS, ETC.

None

CITIZENS' OPPORTUNITY TO ADDRESS THE COMMITTEE

None

AGENDA ITEMS

ITEM NO. 1 REPORT FROM FOTH INFRASTRUCTION & ENVIRONMENT, LLC
A. RECEIVE AND FILE MONTHLY REPORT

Gabehart – Noted there was unexpected IEPA scheduled, needed to be there short notice. Expenses were down, now financial status has increased.

New blower motor has been rebuilt, and operational.
Tonnages are down for landfill number 2.

B. PROFILED WASTE APPROVALS

10 preapproved waste profiles, many contaminated debris, and asbestos, profiles are preapproved but can be discussed in detail if needed. Gabehart opened the floor for discussion and questions. No Discussion.

C. SIGNATURE APPROVAL

Request for signatures, several shutdowns, requesting signature for G26 S for a confirmed acetone. Foth believes these are false positives.

Van Winkle moved to approve, seconded by Oyler.

D. 2022 BUDGET APPROVAL

Foth worked with Shaun Schoonover on the fiscal 2021 budget, same format as 2021 and 2020. We have the actuals that were recently moved as public,

Motion to defer budget vote until the next scheduled meeting in December
Van Winkle moved to defer the budget, seconded by Oyler

ITEM NO. 2 REPORT FROM PUBLIC WORKS ADMINISTRATION
A.LANDFILL MONTHLY BUDGET REPORT

Introduction of the new Public Works Finance Manager Shaun Schoonover. Gabehart noted we are still showing a deficit, Schoonover and Gabehart are researching the earlier January carryovers.

Chairman Morris opened the floor for comments and questions.
No Comments.

ITEM NO. 3 REPORT FROM WASTE MANAGEMENT
A.MONTHLY ACTIVITY REPORTS - SEPTEMBER & OCTOBER 2021

Request from Waste Management for signature approval.
Moved by Fox, seconded by Williams.

ITEM NO. 4 REPORT FROM PEORIA DISPOSAL CO.
A.INTRODUCTION TO GFL ENVIRONMENTAL TEAM

Selin Hoboy and Timothy Curry Introduced as the point of contacts.
Gabehart noted they are not able to attend due to a timing conflict. GFL will have the opportunity for introductions the next committee meeting.

NEW BUSINESS

Johnson asked if it is possible to phone in to the landfill meeting once they are back to being conducted in person due to a long commute and only presenting informational items to the committee.

Mr. Fox asked to discuss the coal combustion residue in the next committee meeting.

The agenda meeting scheduled has been deferred to the next meeting, December 8, 2021.

ADJOURNMENT

There being no further discussion, The Chairman declared the meeting adjourned. The meeting adjourned at 3:31 P.M.



REQUEST FOR DISCUSSION

To: Peoria City/County Landfill Committee Members

From: Mark Williams and Joshua Gabehart, P.E., Foth Infrastructure and Environment, LLC

AGENDA DATE REQUESTED: December 8, 2021

ACTION REQUESTED: Receive and File Monthly Report

BACKGROUND: The following report details engineering items occurring since the last scheduled Committee Meeting.

Financial Information

The attached spreadsheet shows Foth engineering services provided through October 31, 2021. The total amount billed to date is \$444,659.66. We are currently above planned spend for this time period due to several unplanned repairs and additional effort from regulatory submittals and IEPA extending reviews.

Updates Regarding Compliance Activities, Measures, and Progress

- There have been two shutdowns since the last meeting that require 405 – CAAPP forms. Unknown causes, but with no call out to alert of the down-time, programmer has been contacted to investigate the issue.
- The landfill gas methane content at the flare was 41.4% for the month of November. This is higher than last month, and within the typical methane content range.
- Since the last meeting 7,500 gallons of leachate have been transported off site to GPSD.
- Monthly tonnages through November are attached. General MSW is under the 2020 receipts by about 2,582 tons. Profiled waste remains below 2020 totals due to the large project work being complete. Total tonnage received is approximately 8,158 tons under 2020 waste receipts. Foth and City staff will continue to monitor the tonnages as COVID-19 recovery occurs and make suggestions in the coming meetings. There are no recommended changes to plan at this time.
- Joe Coleman and Sons Environmental Services, Inc. have given us a projected start date of January 2022 for the installation of the gas extraction wells near G04S and GMD 2.

FINANCIAL IMPACT: Currently (through October 31, 2021), the total spend is 96.5% of the July 1, 2020 through December 31, 2021 contract, whereas the planned budget spend was projected at 94.3%. The attached monthly engineering services spreadsheet shows budgeted vs actual spends to date. Foth and the City will work through the overage and develop a plan to present to the Landfill Committee.

				July		August		September		October		November		December	
	Description	Beginning estimate	Current Budget Estimate	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual
Phase 1	General Compliance and Guidance	\$ 162,225	\$ 162,225	\$ 10,863	\$ 12,739.56	\$ 9,140	\$ 8,800	\$ 7,418	\$ 9,735	\$ 7,418	\$ 14,467	\$ 7,418	\$ 2,834	\$ 7,418	\$ 7,198
Phase 2	Groundwater Support and Data Review	\$ 61,800	\$ 61,800	\$ 2,625	\$ 3,321.04	\$ 2,625	\$ 870	\$ 3,008	\$ 1,421	\$ 2,625	\$ 8,020	\$ 2,625	\$ 995	\$ 7,092	\$ 4,415
Phase 3	Gas System and Leachate Management Operations	\$ 181,380	\$ 181,380	\$ 10,678	\$ 8,022.26	\$ 9,741	\$ 8,744	\$ 9,711	\$ 9,209	\$ 13,211	\$ 16,108	\$ 9,741	\$ 8,970	\$ 9,711	\$ 16,370
Phase 4	Landfill No. 1. Construction Engineering	\$ 21,115	\$ 21,115	\$ 1,639	\$ 1,269.48	\$ 1,639	\$ 448	\$ 1,639	\$ 373	\$ 1,639	\$ 3,226	\$ -	\$ 124	\$ -	\$ 620
Phase 5	Landfill No. 2 and No. 3 Expansion/Transition	\$ 21,425	\$ 21,425	\$ 1,190	\$ 224.03	\$ 1,190	\$ 373	\$ 1,190	\$ 523	\$ 1,190	\$ 1,045	\$ 1,190	\$ 299	\$ 1,190	\$ 149
Phase 6	Unplanned GCCS Repairs/Emergency	\$ 12,875	\$ 12,875	\$ 715		\$ 715		\$ 715		\$ 715	\$ 1,421	\$ 715	\$ 35	\$ 715	\$ -
	Total	\$460,820	\$460,820	\$27,710	\$25,576	\$25,051	\$19,236	\$23,682	\$21,261	\$26,799	\$44,288	\$21,690	\$13,255	\$26,126	\$28,752
	% Contract Months Complete			5.6%		11.1%		16.7%		22.2%		27.8%		33.3%	
	% Budget Spent			5.6%		9.7%		14.3%		23.9%		26.8%		33.1%	
	% Planned Budget Spent			6.0%		11.4%		16.6%		22.4%		27.1%		32.8%	

Operational Notes:

July 2020 - Routine submittals completed and LF1 construction management begins
August and September - Routine work completed, no significant unplanned items for system.

October 2020 - Construction observation started for initial work at LF1. Unplanned work and expenses related to flare operations. Power surge affected control system and monitoring system. IEPA required significant groundwater responses for reports and assessments due. IEPA Air Bureau reviewing air permit and required 2 week turn around for comments and supporting WM for site air permit.

November and December 2020 - work on gas and leachate system continued with freezing and other repairs. Cold causes some connections to separate and action needed to reduce oxygen in the system per operating requirements. Began corrective action report due January 15 and completed other groundwater assessments.

January and February 2021 - included several regulatory submittals being drafted and submitted. Additionally, review and coordination with PDC on LF3 related projects saw expenditures in LF2 and 3 transition. Construction Engineering was increaed due to project work starting and submitting to contractor. Finally, both January and February had numerous unplanned repairs to the system for pumps and the flare system. Unfortunately, multiple pumps failed and required repair or replacement during this time.

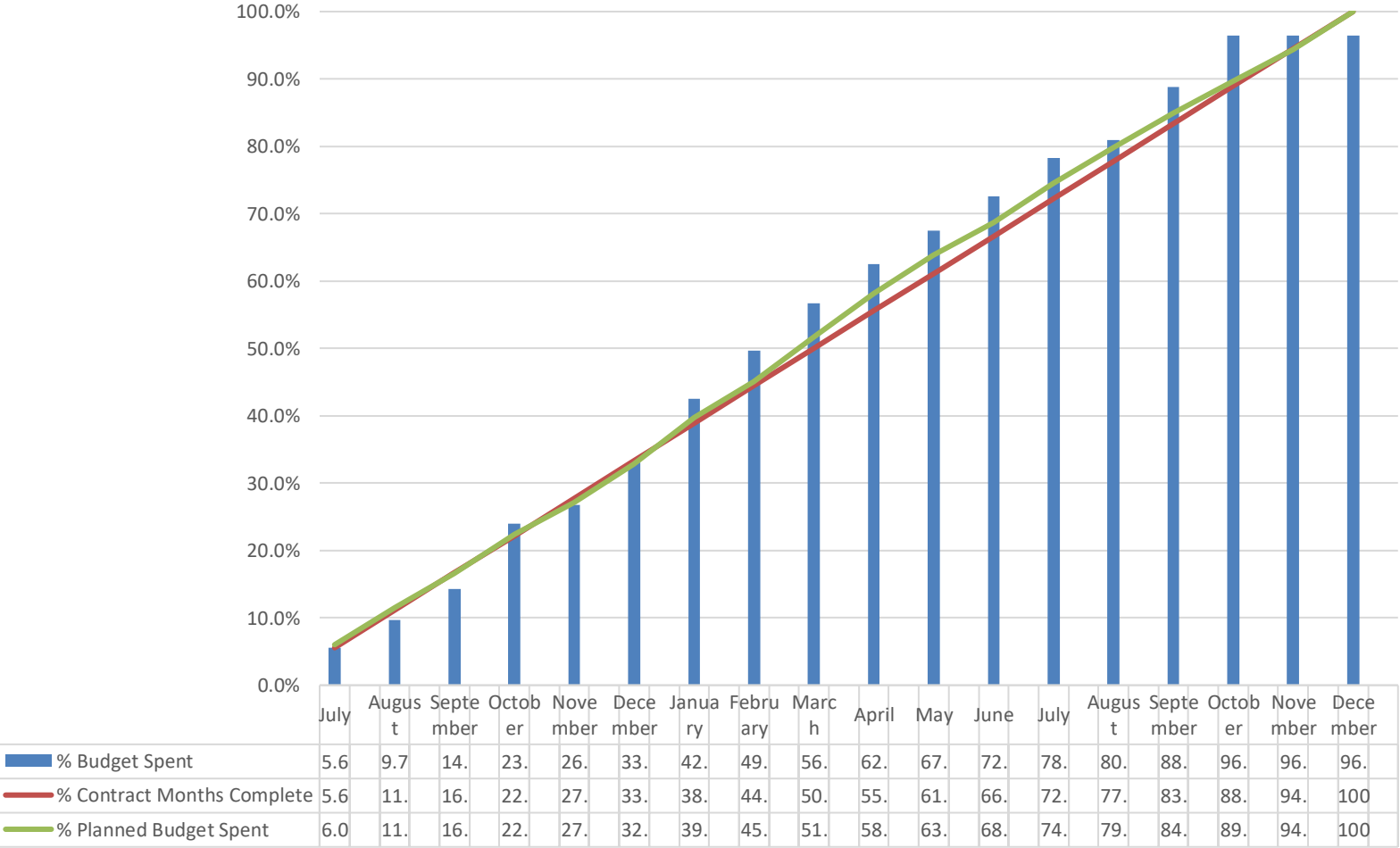
March 2021 - another month exceeded unplanned repairs for pumps and flare outages. Additional time spent with flare and leachate system repairing pumps and catching up with leachate management of the site. Groundwater reports and annual reports started

April and May 2021 - included several items for permit renewals, and submittals to IEPA including greenhouse gas, post closure cost estimate and operator review of submittals. IEPA correspondance with Assessments and resubmittals for IEPA requests.

August 2021 - access to the site was good in so time could be spent pumping the system due to currently being 3 solar pumps down. Time was also spent on unplanned shutdowns, R10S leachate mounding investigation, and troubleshooting to get the well field under vacuum to limit positive wells.

September and October 2021 - time spent on site for construction observation, blower repair activities, and associated work (data processing from flare and filling in missing data) mainly 405 CAAPP forms for every shut down over 1 hour.

Foth Engineering Services
July 2020 through December 2021



Foth Infrastructure & Environment, LLC
20P300.00 - Engineering Services July 2020 - December 2021
Joint City and County of Peoria Landfill Committee

		January		February		March		April		May		June	
	Description	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual
Phase 1	General Compliance and Guidance	\$ 10,863	\$ 12,345	\$ 9,140	\$ 6,097	\$ 11,818	\$ 8,522	\$ 11,818	\$ 13,023	\$ 11,818	\$ 12,700	\$ 7,418	\$ 11,707
Phase 2	Groundwater Support and Data Review	\$ 6,708	\$ 8,714	\$ 2,625	\$ 5,988	\$ 3,008	\$ 4,722	\$ 2,625	\$ 3,167	\$ 2,625	\$ 4,512	\$ 3,008	\$ 3,061
Phase 3	Gas System and Leachate Management Operations	\$ 10,678	\$ 8,834	\$ 9,741	\$ 8,054	\$ 9,711	\$ 11,468	\$ 9,711	\$ 8,972	\$ 9,741	\$ 5,058	\$ 9,711	\$ 8,130
Phase 4	Landfill No. 1. Construction Engineering	\$ 1,639	\$ 4,339	\$ 1,639	\$ 6,944	\$ 3,889	\$ 1,668	\$ 3,889	\$ 224	\$ -		\$ -	\$ 407
Phase 5	Landfill No. 2 and No. 3 Expansion/Transition	\$ 1,190	\$ 3,689	\$ 1,190	\$ 373	\$ 1,190	\$ 2,897	\$ 1,190	\$ 1,419	\$ 1,190	\$ 299	\$ 1,190	\$ 325
Phase 6	Unplanned GCCS Repairs/Emergency	\$ 715	\$ 5,840	\$ 715	\$ 5,313	\$ 715	\$ 3,154	\$ 715		\$ 715	\$ 299	\$ 715	\$ -
	Total	\$31,794	\$43,761	\$25,051	\$32,768	\$30,332	\$32,430	\$29,949	\$26,805	\$26,090	\$22,868	\$22,043	\$23,631
	% Contract Months Complete	38.9%		44.4%		50.0%		55.6%		61.1%		66.7%	
	% Budget Spent	42.6%		49.7%		56.7%		62.5%		67.5%		72.6%	
	% Planned Budget Spent	39.7%		45.1%		51.7%		58.2%		63.9%		68.6%	

Foth Infrastructure & Environment, LLC
20P300.00 - Engineering Services July 2020 - December 2021
Joint City and County of Peoria Landfill Committee

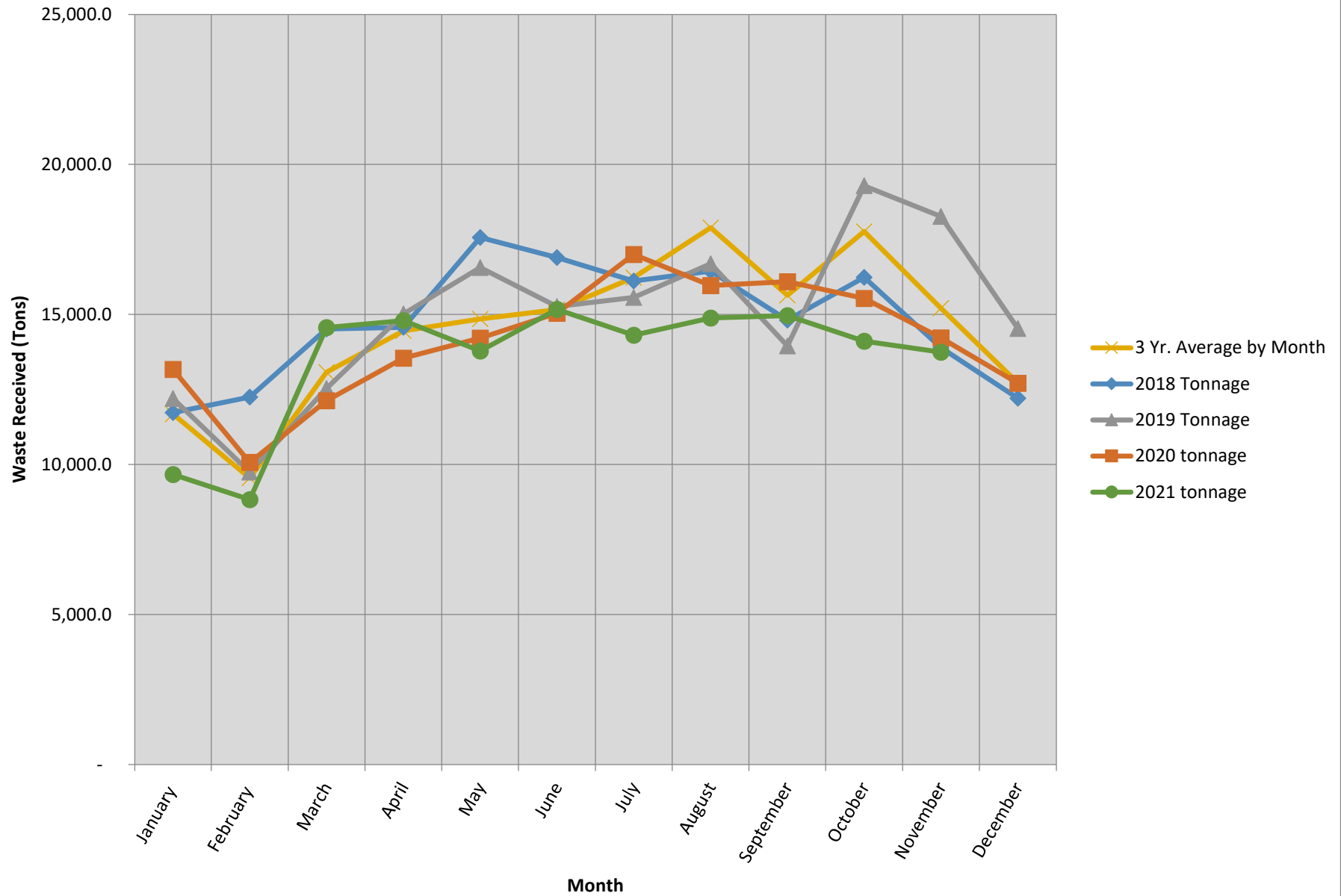
		July		August		September		October		November		December		YTD TOTAL		
	Description	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	%
Phase 1	General Compliance and Guidance	\$ 10,863	\$ 7,926.88	\$ 9,140	\$ 5,971	\$ 7,418	\$ 11,818	\$ 7,418	\$ 13,933	\$ 7,418		\$ 7,418		\$ 162,225	\$ 159,816	98.5%
Phase 2	Groundwater Support and Data Review	\$ 2,625	\$ 1,961.12	\$ 2,625	\$ 1,355	\$ 3,008	\$ 2,442	\$ 2,625	\$ 2,952	\$ 2,625		\$ 7,092		\$ 61,800	\$ 57,916	93.7%
Phase 3	Gas System and Leachate Management Operations	\$ 10,708	\$ 15,574.78	\$ 9,711	\$ 4,449	\$ 9,711	\$ 8,276	\$ 9,741	\$ 7,016	\$ 9,711		\$ 9,711		\$ 181,380	\$ 153,255	84.5%
Phase 4	Landfill No. 1. Construction Engineering	\$ 1,167	\$ -	\$ 1,167	\$ -	\$ 1,167	\$ 6,349	\$ -	\$ 8,353	\$ -		\$ -		\$ 21,115	\$ 34,345	162.7%
Phase 5	Landfill No. 2 and No. 3 Expansion/Transition	\$ 1,190	\$ 325.48	\$ 1,190	\$ 496	\$ 1,190	\$ 457	\$ 1,190	\$ 325	\$ 1,190		\$ 1,190		\$ 21,425	\$ 13,220	61.7%
Phase 6	Unplanned GCCS Repairs/Emergency	\$ 715	\$ -	\$ 715	\$ -	\$ 715	\$ 7,219	\$ 715	\$ 2,828	\$ 715		\$ 715		\$ 12,875	\$ 26,108	202.8%
	Total	\$27,268	\$25,788	\$24,549	\$12,271	\$23,210	\$36,560	\$21,690	\$35,408	\$21,660	\$0	\$26,126	\$0	\$460,820	\$444,659.66	96.5%
	% Contract Months Complete	72.2%		77.8%		83.3%		88.9%		94.4%		100.0%				0.0%
	% Budget Spent	78.2%		80.9%		88.8%		96.5%		96.5%		96.5%				0.0%
	% Planned Budget Spent	74.6%		79.9%		84.9%		89.6%		94.3%		100.0%				

\$460,820

Waste Received by Month PCCL Landfill No 2

Month	2014 tonnage	2015 tonnage	2016 Tonnage	2017 Tonnage	2018 Tonnage	2019 Tonnage	2020 tonnage	2021 tonnage	5 Yr. Average by Month	3 Yr. Average by Month
January	14,531.08	12,592.84	13,255.78	16,148.43	11,730.59	12,199.76	13,168.18	9,667.53	12,582.9	11,678.5
February	11,689.56	11,134.61	14,992.00	11,959.48	12,244.04	9,746.12	10,070.59	8,832.31	10,570.5	9,549.7
March	17,911.20	16,961.56	15,881.57	14,204.13	14,516.49	12,533.33	12,128.74	14,559.55	13,588.4	13,073.9
April	20,643.72	17,815.96	16,231.71	14,883.60	14,573.51	15,014.76	13,541.53	14,791.33	14,560.9	14,449.2
May	21,031.20	17,917.75	17,708.52	18,306.44	17,568.27	16,560.81	14,209.21	13,779.53	16,084.9	14,849.9
June	20,827.22	19,736.45	17,890.95	19,901.95	16,896.60	15,267.88	15,037.75	15,171.04	16,999.0	15,158.9
July	21,915.44	23,147.79	15,088.31	17,685.91	16,116.44	15,569.30	17,000.88	14,309.57	16,292.2	16,228.9
August	18,623.82	22,247.53	17,744.07	20,548.26	16,445.70	16,690.04	15,963.12	14,881.66	18,716.6	17,894.7
September	17,722.38	16,520.05	18,890.92	18,155.15	14,809.20	13,953.48	16,095.09	14,965.24	16,675.2	15,639.3
October	20,212.83	17,158.59	16,091.54	17,772.77	16,235.75	19,289.83	15,531.79	14,112.35	17,793.6	17,766.1
November	14,511.80	16,349.64	14,459.79	17,273.03	13,895.01	18,263.39	14,222.22	13,741.19	15,792.1	15,209.3
December	14,951.07	16,504.84	13,168.40	12,764.20	12,208.30	14,534.79	12,708.54		14,021.9	12,713.6
Total	214,571.32	208,087.61	191,403.56	199,603.35	177,239.90	179,623.49	169,677.64	148,811.30	183,678.21	174,211.83
General MSW	198,971.42	191,767.47	182,787.68	187,239.69	173,804.02	161,919.10	161,970.42	146,689.37		
Profiled Waste Tons	15,599.90	16,320.14	8,615.88	12,363.66	3,435.88	17,704.39	7,707.22	2,121.93		

Waste Received by Month





REQUEST FOR DISCUSSION

To: Peoria City/County Landfill Committee Members

From: Mark Williams and Joshua C. Gabehart, P.E., Foth Infrastructure and Environment, LLC

AGENDA DATE REQUESTED: December 8, 2021

ACTION REQUESTED: Approval for Chairman Morris' Signature

- PCC LF1 – Evaluation of Corrective Action Measures for the Landfill Gas/Groundwater Issues at Groundwater Wells G04S and R10S due to IEPA January 15, 2022.
- 405-CAAPP Forms for Flare Shutdown that Exceeds the One Hour Duration

BACKGROUND: The Corrective Action Update Report is required to be submitted to the Illinois Environmental Protection Agency (IEPA) on an annual basis as stated in condition VIII.(2) of the facility's permit. This condition requires the following:

- A thorough discussion of groundwater concentration results at wells G04S and R10S;
- A thorough discussion on the landfill gas headspace monitoring results for wells G03S, G04S, G05S, R10S, G25S, and G26S;
- A thorough discussion on the operation of the flare;
- A thorough discussion on the ongoing repairs, maintenance, and upgrades of the GCCS;
- Additional corrective action measures approved in Log No. 2020-031 and;
- If concentrations of 1,1-dichloroethane, cis-1,2-dichloroethylene, acetone, and dissolved arsenic at G04S and 1-dichloroethane, cis-1,2-dichloroethylene, and dissolved chloride at R10S have not decreased by January 15, 2022, additional corrective action will be proposed.

There were two shutdowns lasting longer than one hour since the last Landfill Committee Meeting. The landfill gas system functioned as designed and there were no releases of gas to the atmosphere.

Foth does not expect other reports requiring Chairman Morris or Director Powers' signatures. However, we respectfully request approval to obtain Chairman Morris' signature should the need arise prior to the next Committee Meeting. If the need does arise, a report will be brought before the board at the next scheduled meeting.

FINANCIAL IMPACT: These submittals are included as part of Foth's professional consulting services contract with the Peoria City/County Landfill Committee.



REQUEST FOR DISCUSSION

To: Peoria City/County Landfill Committee Members

From: Mark Williams and Joshua Gabehart, P.E.; Foth Infrastructure and Environment, LLC

Agenda Date Requested: December 8, 2021

ACTION REQUESTED: Committee approval required for waste profile 630933IL. Receive and file, pre-approved waste profiles (630955IL) and a renewal of a previously approved waste profile (113627IL).

BACKGROUND: Please see attached memorandum, which reviews and includes information pertaining to these profiles:

1. Profile 630933IL from CF Industries Distribution Facilities, LLC, for a Storage Tank Floor waste, requires committee approval.
2. Profile 630955IL from Ameren Illinois, was pre-approved per the Uncontaminated Soil and Debris Policy.
3. Profile 113627IL from Midwest Generation, is a renewal of a previously approved profile for Urea Solids.

Based on the information provided, Foth has no technical objections for acceptance of the waste streams listed above.

FINANCIAL IMPACT: The waste profiles are expected to generate approximately \$2,378.57 in host fees.



Memorandum

Foth Infrastructure & Environment, LLC
2314 West Altorfer Drive
Peoria, IL 61615
(309) 691-5300 • Fax: (309) 691-1892
www.foth.com

December 8, 2021

TO: Joint City of Peoria - County of Peoria Solid Waste Disposal Facility Board

CC: Rick Powers, City of Peoria
Scott Sorrel, Peoria County

FR: Mark Williams, Foth Infrastructure & Environment, LLC

RE: Certified Non-Special and Special Waste Permit Approvals

Waste Management has presented the following waste stream.

1)

Generator/Profile	Waste Stream Info
CF Industries Distribution Facilities, LLC 215 Pearl St. Kingston Mines, IL 61539	Low pressure storage tank floor waste
Application Dated: 11/12/2021 Received: 11/12/2021	Waste material produced from the maintenance of a storage tank used for product storage and handling purposes.
Source: Peoria County Type: Non-Special Profile #630933IL	<u>Expected</u> Quantity: 305 Cubic yards Frequency: One-time
Subject to County Fee: Yes Last Tested: 08/10/21	<u>Estimated Host Fee Revenue:</u> ~\$1194.07

Comments: This waste stream is the material produced from the maintenance of a low-pressure storage tank. The generator provided laboratory results and SDS sheets for the materials removed from the tank. There were no technical objections to the landfill receiving this waste, based on information provided to Foth Infrastructure & Environment, LLC (Foth).

Pre-Approved Waste Streams (No Action is Required. For Information Only)

- Ameren Illinois, Profile 630955IL
 - Uncontaminated Soil and Debris Policy
 - 300-350 Yards, one-time
 - Estimated Host Fee – < \$1174.50-\$1370.25
- Midwest Generation, Profile 113627IL
 - Urea Solids
 - 400 pounds, renewal of previously approved waste profile
 - Estimated Host Fee – ~ \$<10.00

See attached profile sheets and laboratory reports.

Committee approval does not relieve the Generator or Landfill Operator from complying with all applicable laws and regulations. Committee approval is based on information provided by Generator and Landfill Operator.

Waste Profile 630933IL



Requested Facility: Peoria City - County Landfill ☐ Unsure Profile Number: 630933IL
☐ Multiple Generator Locations (Attach Locations) ☒ Request Certificate of Disposal ☐ Renewal? Original Profile Number: _____

A. GENERATOR INFORMATION (MATERIAL ORIGIN)

- Generator Name: CF Industries Distribution Facilities, LLC
- Generator Site Address: 215 Pearl Street
(City, State, ZIP) Kingston Mines IL 61539
- County: Peoria
- Contact Name: John Janssen
- Email: jjanssen@cfindustries.com
- Phone: (309) 389-5676 7. Fax: _____
- Generator EPA ID: _____ ☒ N/A
- State ID: _____ ☒ N/A

C. MATERIAL INFORMATION

- Common Name: Low Pressure Storage Tank Floor Waste
Describe Process(es) Generating Material: ☐ See Attached
Low Pressure Storage Tank floor maintenance
- Material Composition and Contaminants: ☒ See Attached

1. Allweathercrete	70 %
2. Tar	0 - 5 %
3. Sand	0 - 20 %
4. Foam block	0 - 5 %
Total comp. must be equal to or greater than 100%	≥100%
- State Waste Codes: _____ ☒ N/A
- Color: Black
- Physical State at 70°F: ☒ Solid ☐ Liquid ☐ Other: _____
- Free Liquid Range Percentage: _____ to _____ ☒ N/A
- pH: _____ to _____ ☒ N/A
- Strong Odor: ☐ Yes ☒ No Describe: _____
- Flash Point: ☐ <140°F ☐ 140°–199°F ☒ ≥200° ☒ N/A

E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION

- Analytical attached ☒ Yes
Please identify applicable samples and/or lab reports:
Lab ID # 21080246-001. Sample Descriptions KM Allweathercrete KM Tar KM Sand KM Foam Block
- Other information attached (such as MSDS)? ☒ Yes

G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this EZ Profile™ form, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided. Any analytical data attached was derived from a sample that is representative as defined in 40 CFR 261 – Appendix 1 or by using an equivalent method. All changes occurring in the character of the material (i.e., changes in the process or new analytical) will be identified by the Generator and be disclosed to Waste Management prior to providing the material to Waste Management.

- ☐ I am an Authorized Agent signing on behalf of the Generator, and I have confirmed with the Generator that information contained in this profile, as well as supporting documents provided, are accurate and complete.

Name (Print): CF Industries LLC Date: 11/12/2021
Title: Supt, Kingston Mines Terminal
Company: CFI Sales, LLC

THINK GREEN®**QUESTIONS? CALL 800 963 4776 FOR ASSISTANCE** Revised November 06, 2020 © 2020 WM Intellectual Property Holdings, L.L.C.**B. BILLING INFORMATION**☒ SAME AS GENERATOR

- Billing Name: CF Industries Distribution Facilities, LLC
- Billing Address: 215 Pearl Street
(City, State, ZIP) Kingston Mines IL 61539
- Contact Name: John Janssen
- Email: jjanssen@cfindustries.com
- Phone: (309) 389-5676 6. Fax: _____
- WM Hauled? ☒ Yes ☐ No
- P.O. Number: _____
- Payment Method: ☐ Credit Account ☐ Cash ☐ Credit Card

D. REGULATORY INFORMATION

- EPA Hazardous Waste? ☐ Yes* ☒ No
Code: _____
- State Hazardous Waste? ☐ Yes ☒ No
Code: _____
- Is this material non-hazardous due to Treatment, Delisting, or an Exclusion? ☐ Yes* ☒ No
- Contains Underlying Hazardous Constituents? ☐ Yes* ☒ No
- From an industry regulated under Benzene NESHAP? ☐ Yes* ☒ No
- Facility remediation subject to 40 CFR 63 GGGGG? ☐ Yes* ☒ No
- CERCLA or State-mandated clean-up? ☐ Yes* ☒ No
- NRC or State-regulated radioactive or NORM waste? ☐ Yes* ☒ No
***If Yes, see Addendum (page 2) for additional questions and space.**
- Contains PCBs? → If Yes, answer a, b and c. ☐ Yes ☒ No
 - Regulated by 40 CFR 761? ☐ Yes ☐ No
 - Remediation under 40 CFR 761.61 (a)? ☐ Yes ☐ No
 - Were PCB imported into the US? ☐ Yes ☐ No
- Regulated and/or Untreated Medical/Infectious Waste? ☐ Yes ☒ No
- Contains Asbestos? ☐ Yes ☒ No
→ If Yes: ☐ Non-Friable ☐ Non-Friable – Regulated ☐ Friable

F. SHIPPING AND DOT INFORMATION

- ☒ One-Time Event ☐ Repeat Event/Ongoing Business
- Estimated Quantity/Unit of Measure: 305
☐ Tons ☐ Yards ☐ Drums ☐ Gallons ☒ Other: Cubic yards
- Container Type and Size: 40 yrd roll off
- USDOT Proper Shipping Name: _____ ☒ N/A

Certification Signature



**Profile Addendum: State of Illinois
GENERATOR'S NON-SPECIAL WASTE CERTIFICATION**

F. Additional Waste Stream Information

Profile Number: 630933IL

Generators Name: CF Industries Distribution Facilities, LLC

Generators SITE Address: 215 Pearl Street Kingston Mines IL 61539
(The location where the waste is generated)

Waste Name: Low Pressure Storage Tank Floor Waste

The Illinois Environmental Protection Act allows a Generator to certify that their pollution control waste or industrial process waste, is not an Illinois Special Waste (Section 3.45). By completing the following questionnaire, you may certify that the waste stream represented by the Waste Management Profile referenced above is not an Illinois Special Waste as defined in the Act.

Is the waste referenced above any of the following:

- | | | |
|--|------------------------------|--|
| 1. A Potentially Infectious Medical Waste (PIMW)? | ☐ Yes | ☒ No |
| 2. A Hazardous Waste as defined in 40 CFR 261 or in 35 IAC 722.111? | ☐ Yes | ☒ No |
| 3. A Liquid Waste (fails the paint filter test as defined in 35 IAC 811.107)? | ☐ Yes | ☒ No |
| 4. A regulated PCB waste as defined in 40 CFR 761? | ☐ Yes | ☒ No |
| 5. A NESHAP regulated asbestos waste other than waste from renovation or demolition? | ☐ Yes | ☒ No |
| 6. A waste resulting from the shredding recyclable metals (auto fluff)? | ☐ Yes | ☒ No |
| 7. A delisted Hazardous Waste or Treated Characteristic Hazardous Waste, subject to LDR requirements under 35 IAC 728.107? | ☐ Yes | ☒ No |

In determining that this waste is not a liquid, I have used knowledge of the processes generating the waste and the attached supporting documentation: ☒ MSDS ☐ Analytical ☐ Other (explain below):

In determining that this waste is not RCRA hazardous, I have used knowledge of the processes generating the waste and the attached supporting documentation: ☒ MSDS ☒ Analytical ☐ Other (explain below):

8. Is the waste represented by this profile sheet exempt from Illinois Solid Waste Management Act fee? ☐ Yes ☒ No

Select option: ☒ Pollution Control Waste ☐ Other

By signing below, I certify my waste is NOT an Illinois Special Waste, and that I understand that a person who knowingly and falsely certifies that a waste is not special waste is subject to the penalties set forth in subdivision (6) of subsection (h) of section 44 of the Illinois Environmental Protection Act.

Name: (Print) CF Industries LLC

Title: Supt, Kingston Mines Terminal

Signature: John Jamison

Date: 11/12/2021



SAFETY DATA SHEET

Creation Date 15-Oct-2015

Revision Date 07-May-2020

Version 5

1. IDENTIFICATION

Product Name Paving application asphalt including PG grade, MSCR grade, penetration grade, and AC viscosity grade

Synonyms Blended Asphalt, Paving Asphalt Base, Paving Asphalt, Polymer Modified Asphalt, Highly Modified Asphalt, PMA, HiMA, PPA modified asphalt, PG 76-22
AASHTO M320 graded PG 46-34, PG 52-28, PG 52-34, PG 58-22, PG 58-28, PG 58-34, PG 64-10, PG 64-16, PG 64-22, PG 64-28, PMA 64-28, PG 70-10, PG 70-16, PG 70-22, PMA PG 70-22, PMA PG 76-28, PMA 76-34, PMA PG 76-22, PMA PG 76-28, PMA PG 82-22, PMA PG 82-28
AASHTO M322 MSCR (S, H, V, E) equivalent grades
AASHTO M20 penetration grades 40 - 50 pen, 60 - 70 pen, 85 - 110 pen, 120 - 150 pen, 200 - 300 pen
AASHTO M226 viscosity grades AC 2.5, AC 5, AC 10, AC 20, AC 30, and AC 40

Product Code OCRA00023

Recommended Use Asphalt including polymer modified asphalt used in paving applications

UN/ID no. UN3257

Manufacturer Address Owens Corning Roofing and Asphalt, LLC
One Owens Corning Parkway
Toledo, Ohio 43659

Company Phone Number 1-800-GET-PINK or 1-800-438-7465
24 Hour Emergency Phone Number Chemtrec 1-800-424-9300 or 1-703-741-5970 CCN17393
Emergency Telephone 1-419-248-5330 (after 5 pm ET and weekends)

E-mail address safetydatasheet@owenscorning.com
Company Website <http://owenscorning.com/>

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 2

Label elements

Warning

Hazard statements

Causes skin irritation
Causes serious eye irritation
Suspected of causing cancer



ERG Code

Eyes

IF exposed or concerned: Get medical advice/attention

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Skin

- If eye irritation persists: Get medical advice/attention

- IF ON SKIN: Wash with plenty of soap and water

- If skin irritation occurs: Get medical advice/attention

- Take off contaminated clothing and wash before reuse

Inhalation

- IF INHALED: Remove person to fresh air and keep comfortable for breathing

Precautionary Statements - Storage • Store locked up

Precautionary Statements - Disposal • Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

- Contact with product at elevated temperatures can result in thermal burns

- Dangerous amounts of Hydrogen Sulfide, a highly toxic gas, may be present in the headspace of heated containers

- This petroleum based product may contain trace amounts of polycyclic aromatic compounds (PACs) including polynuclear aromatic hydrocarbons (PAHs) which can be released when product is heated

Unknown acute toxicity

- No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Product Components

Chemical name	CAS No.	Weight-%	Trade Secret
Petroleum Asphalt	8052-42-4	85-100	*
Trade Secret	Proprietary	0-10	*
Styrene-Butadiene-Styrene Block Copolymer	9003-55-8	0-10	*
Polyphosphoric Acid	8017-16-1	0-3	*

*The exact percentage (concentration) of composition has been withheld as a trade secret

The remaining components of this product are non-hazardous or are in a small enough quantity as to not meet regulatory thresholds for disclosure. These components contain no substances or impurities which would influence the classification of this product

4. FIRST AID MEASURES

Description of First Aid Measures

Eye contact

- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
- If eye irritation persists: Get medical advice/attention

Skin contact

- **HOT MATERIAL:**

- Immediately drench or immerse area in water to assist in cooling

- Apply iced water or ice packs to burned area

- **DO NOT** use iced water or ice packs if the burned area covers more than 10% of the

	- body, as this may contribute to shock • DO NOT try to remove product from burned area after it has cooled • Seek immediate medical attention/advice • Medical personnel can soften and remove cooled product with petroleum jelly or mineral oil • • COLD MATERIAL: • Clean exposed skin with mild soap and water • If skin irritation persists, call a physician
Inhalation	• If respiratory symptoms develop, move victim to fresh air away from source of exposure and into fresh air • If symptoms persist, call a physician • If breathing is difficult, give oxygen • If breathing has stopped, give artificial respiration. Get medical attention immediately
Ingestion	• DO NOT induce vomiting • Drink 1 or 2 glasses of water • If vomiting occurs naturally have the person lean forward to reduce the risk of aspiration • Get medical attention
Most important symptoms and effects, both acute and delayed	• Irritation nose and throat • Irritation of eyes and mucous membranes • Skin irritation • Unconsciousness • Corneal damage • Narcosis • Decrease in motor functions • Behavioral changes • Edema • conjunctivitis • Defatting of skin • Rash
Note to physicians	• Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	• Treat as fuel oil or hydrocarbon fire • Use extinguishing measures that are appropriate to local circumstances and the surrounding environment • Dry chemical • Foam • Carbon dioxide (CO2) • Use water spray or fog; do not use straight streams • Use water to cool fire-exposed containers and to protect personnel
Unsuitable extinguishing media	• Do not use a solid water stream as it may scatter and spread fire
Specific hazards arising from the chemical	• Hot product may ignite flammable materials on contact
Hazardous combustion products	• Carbon monoxide • Carbon dioxide (CO2) • Oxides of sulfur • Hydrogen sulfide
Explosion data	
Sensitivity to Mechanical Impact	• No
Sensitivity to Static Discharge	• No

Protective equipment and precautions for firefighters

- As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

- Avoid contact with eyes and skin
- Evacuate personnel to safe areas

Environmental precautions

- Prevent further leakage or spillage if safe to do so
- Avoid runoff into storm sewers, ditches and waterways
- See Section 12 for ecotoxicology additional information

Methods and material for containment and cleaning up

Methods for containment

- Contain spill with an inert absorbent material such as soil, sand or oil dry
- Prevent from spreading by covering, diking or other means

Methods for cleaning up

- Use personal protective equipment as required
- Take up mechanically, placing in appropriate containers for disposal

7. HANDLING AND STORAGE

Precautions for safe handling

- Avoid contact with skin, eyes or clothing
- Avoid breathing fumes from hot material
- Hydrogen sulfide, an extremely flammable, colorless, highly toxic gas is emitted from heated asphalt and may accumulate in storage tanks or bulk transport containers
- Handle in accordance with good industrial hygiene and safety practice

Conditions for safe storage, including any incompatibilities

Storage Conditions

- Keep in a dry, cool and well-ventilated place
- Assure proper ventilation of storage or shipping containers to prevent accumulations of hazardous concentrations of off-gassed hydrocarbon gas or H₂S

Incompatible materials

- Strong oxidizing agents
- Water

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH REL
Petroleum Asphalt 8052-42-4	TWA: 0.5 mg/m ³ benzene-soluble aerosol fume, inhalable particulate matter	-	Ceiling: 5 mg/m ³ fume 15 min
Hydrogen sulfide 7783-06-4	STEL: 5 ppm TWA: 1 ppm	Ceiling: 20 ppm	IDLH: 100 ppm Ceiling: 10 ppm 10 min Ceiling: 15 mg/m ³ 10 min

NIOSH REL Immediately Dangerous to Life or Health

Engineering Controls

- Showers
- Eyewash stations
- Ventilation systems

Individual protection measures, such as personal protective equipment

- | | |
|---------------------------------------|--|
| Eye/face protection | <ul style="list-style-type: none">• Wear safety glasses with side shields (or goggles)• Wear face shield if splash hazard exist |
| Skin and body protection | <ul style="list-style-type: none">• Wear long sleeved shirt and long pants (cotton or other thermal protective material is recommended)• Wear protective gloves (heat insulated, leather, lined neoprene coated gloves are recommended when working with hot product) |
| Respiratory protection | <ul style="list-style-type: none">• When workers are facing concentrations above the exposure limit they must use appropriate certified respirators in accordance with their company's respiratory protection program, local regulations or 29 CFR 1910.134• If irritation occurs, wear an air purifying respirator with particulate and organic vapor cartridges• Supplied air respirators or self-contained breathing apparatus should be used when concentrations of hydrogen sulfide exceeds the occupational exposure limit |
| General Hygiene Considerations | <ul style="list-style-type: none">• Do not eat, drink or smoke when using this product• Avoid contact with eyes, skin and clothing• Wash exposed areas thoroughly after handling this product• Wash hands and arms frequently• Shower after exposure• Wash work clothes when soiled |

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid when heated
Odor	Petroleum
Color	Brown, Black
Melting point / freezing point	
Boiling point / boiling range	
Flash point	> 218 °C > 550 °F
Evaporation rate	
Vapor pressure @20 °C (kPa)	3 mm Hg @ 20°C
Water solubility	Insoluble in water
Autoignition temperature	>343 °C / >650 °F

10. STABILITY AND REACTIVITY

- | | |
|---|--|
| Reactivity | <ul style="list-style-type: none">• No data available |
| Chemical stability | <ul style="list-style-type: none">• Stable under normal conditions |
| Possibility of Hazardous Reactions | <ul style="list-style-type: none">• Hazardous polymerization does not occur |
| Conditions to avoid | <ul style="list-style-type: none">• Heat, flames and sparks• Keep from possible contact with water when product is in liquid state |
| Incompatible materials | <ul style="list-style-type: none">• Strong oxidizing agents• Water |
| Hazardous Decomposition Products | <ul style="list-style-type: none">• Carbon dioxide (CO₂)• Carbon monoxide• Combustion products may include sulfur oxides and hydrogen sulfide |

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Harmful by inhalation
Harmful by skin contact
Harmful if swallowed

Chemical name	Oral LD50	LD50/dermal/rat - NO UNITS (Wizards mg/kg)	Inhalation LC50
Petroleum Asphalt 8052-42-4	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 94.4 mg/m ³ (Rat) 4.5 h
Hydrogen sulfide 7783-06-4	-	-	= 700 mg/m ³ (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Immediate Health Effects:

Inhalation of vapors, fumes and/or mist may cause nose, throat, and mucous membrane irritation, and nausea, headaches or dizziness, and central nervous system depression, including drowsiness, loss of coordination, and unconsciousness. Eye contact may cause severe irritation, redness, tearing, and blurred vision. If ingested, may cause mouth, throat and gastrointestinal tract irritation and upset with possible nausea, vomiting and diarrhea. Aspiration of petroleum distillates into the lungs can cause severe chemical pneumonitis that can be fatal. See Section 8 for exposure controls

Delayed Health Effects

Prolonged or repeated skin contact may result in dryness and irritation of the skin. Prolonged contact with clothing saturated in petroleum distillates can cause second degree burns. Long term skin exposure to asphalt can increase sensitivity to the sun, and may cause discoloration

Sensitization

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen. This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).

Chemical name	ACGIH	IARC	NTP	OSHA
Petroleum Asphalt 8052-42-4	-	Group 2B	-	X
Styrene-Butadiene-Styrene Block Copolymer 9003-55-8	-	Group 3	-	-

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not classifiable as a human carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Carcinogen

- The International Agency for Research on Cancer (IARC) concluded that "occupational exposure to straight-run bitumens and their emissions during road paving are possibly carcinogenic to humans." Although IARC concluded that both human and animal evidence was inadequate to support a carcinogenic classification it determined that the mechanistic data was sufficient. IARC Press Release, October 18, 2011
- This petroleum based product contains a variable amount of polycyclic aromatic compounds (PACs) including polynuclear aromatic hydrocarbons (PAHs) which have been shown to cause cancer and respiratory damage in humans and laboratory animals

Reproductive toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Target Organ Effects

Eyes, Respiratory system, Skin.

Aspiration hazard

No information available.

mg/kg

12. ECOLOGICAL INFORMATION

Chemical name	Algae/aquatic plants	Fish	Crustacea
Hydrogen sulfide 7783-06-4	-	0.0448: 96 h <i>Lepomis macrochirus</i> mg/L LC50 flow-through 0.016: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through	0.022: 96 h <i>Gammarus pseudolimnaeus</i> mg/L LC50

Persistence and degradability • No information available

Bioaccumulation • No information available

Chemical name	Partition coefficient
Petroleum Asphalt 8052-42-4	6
Hydrogen sulfide 7783-06-4	0.45

Other adverse effects • No information available

13. DISPOSAL CONSIDERATIONS

Disposal of wastes • Disposal should be in accordance with applicable regional, national and local laws and regulations

Contaminated packaging • Do not reuse container

14. TRANSPORT INFORMATION

DOT

UN/ID no. UN3257
 Proper shipping name Elevated temperature liquid, n.o.s., at or above 100°C (212°F), and below its flash point
 Hazard class 9
 Packing group III
 Special Provisions 1B1, T3, TP3, TP29
 Description UN3257, , Elevated temperature liquid, n.o.s., at or above 100°C (212°F), and below its flash point.
 Emergency Response Guide Number 128

TDG

UN/ID no. UN3257
 Proper shipping name Elevated temperature liquid, n.o.s., at or above 100°C (212°F), and below its flash point
 Hazard class 9
 Packing group III
 Description UN3257, , Elevated temperature liquid, n.o.s., at or above 100°C (212°F), and below its flash point.

MEX

UN/ID no. UN3257
 Proper shipping name Elevated temperature liquid, n.o.s., at or above 100°C (212°F), and below its flash point
 Hazard class 9
 Packing group III
 Description UN3257, , Elevated temperature liquid, n.o.s., at or above 100°C (212°F), and below its flash point.

ICAO (air) Forbidden Not regulated

IATA Forbidden Not regulated

IMDG

UN number	UN3257
UN proper shipping name	Elevated temperature liquid, n.o.s.*
Transport hazard class(es)	9
Packing group	III
EmS-No.	F-A, S-P
Special Provisions	232, 274
Description	UN3257, Elevated temperature liquid, n.o.s.*, 9, III

RID

ADR

ADN

15. REGULATORY INFORMATION

International Inventories

Chemical name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Petroleum Asphalt 8052-42-4	X	X		X		X	X	X	X	X
Styrene-Butadiene-Styrene Block Copolymer 9003-55-8	X	X				X	X	X	X	X
Polyphosphoric Acid 8017-16-1	X	X		X		X	X	X	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	SARA 313 - Threshold Values %
Hydrogen sulfide - 7783-06-4	1.0

CWA (Clean Water Act)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Hydrogen sulfide 7783-06-4	100 lb	-	-	X

CERCLA

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Hydrogen sulfide 7783-06-4	100 lb	100 lb	RQ 100 lb final RQ RQ 45.4 kg final RQ

US State Regulations

California Proposition 65



Warning

This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Chemical name	California Proposition 65
Bitumen, extracts of steam-refined and air refined 9999-99-9	Carcinogen

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Petroleum Asphalt 8052-42-4	X	X	X
Hydrogen sulfide 7783-06-4	X	X	X

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

Creation Date 15-Oct-2015
Revision Date 07-May-2020
Revision Note SDS sections updated 13,

Disclaimer

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use

End of Safety Data Sheet

Material Safety Data Sheet

Page 1 of 5

Section I - Product Identification

Manufacturer/Supplier:

Pittsburgh Corning Corporation

800 Presque Isle Drive

Pittsburgh, PA 15239

Information Number: 724/327-6100

CHEMTREC: 800/424-9300

Product Name: FOAMGLAS® insulation

Generic Name: Cellular Glass

CAS Number: N. AP.

CAS Name: N. AP.

NFPA HAZARD CLASS: Health: 0 Fire: 0 Reactivity: 0

WHMIS CLASSIFICATION: CLASS D Division 2B

Use: Insulation of tanks, spheres, piping, roofs and equipment

Section II - Hazardous Ingredients

Ingredient	CAS Number	% by Vol.	ACGIH* TLV	OSHA** PEL	OSHA** STEL	OSHA** CEILING	NTP*** IARC OSHA Reg.
Hydrogen Sulfide	7783-06-4	<1.2	10 ppm	10 ppm TWA	15 ppm	N. AV.	No
Carbon Monoxide	630-08-0	0-4	25 ppm	50ppm TWA	N. AV.	100 ppm	No
Carbon Dioxide	124-38-9	85-95	5000ppm	5000 ppm TWA	N. AV.	N.AV.	No
Glass Dust (PNOC)	N. AP.	Varies	10 mg/m ³	15 mg/m ³ 5 mg/m ³ (respirable)	N. AV.	N. AV.	No
Crystalline Silica	14808-60-7	<0.1 – 0.6	0.05 mg/m ³	30/(%Si O2 +2)mg/m ³ (Total) (Respirable 10/(%Si O2 + 2)mg/m ³ (Respirable) Quartz)			

Comment: N. AV. - Not Available

N. AP. - Not Applicable

PNOC - Particulates Not Otherwise Classified

* American Conference of Governmental Industrial Hygienists.

** OSHA 29 CFR 1917.24

*** Dangerous Properties of Industrial Materials, 9th Ed. by Sax/Lewis.

See Section VI - Toxicological and First Aid Information of this MSDS.

Section III - Physical Data

-Physical State at 77°F (25°C):	Solid	-Freezing Point:	N. AP.
-Boiling Point:	N. AP.	-Melting Point:	1350°F (732°C)
-Vapor Pressure		-Specific Gravity	
(mm of mercury):	N. AP.	(Water = 1):	0.11-0.22
-Vapor Density		-Percent Volatile	
(Air = 1):	N. AP.	(By Volume):	N. AP.
-Solubility in Water:	Insoluble	-Evaporation Rate	
-Appearance and Odor:	Black cellular material, no odor unless cut or crushed	(Butyl Acetate = 1):	N. AP.
-Odor Threshold:	0.002 ppm	-Evaporation Rate	
-Coefficient of Water/Oil		(Ethyl Ether = 1):	N. AP.
Distribution:	N. AP.	-pH:	N. AP.

Section IV Fire and Explosion Hazard Data

Flash Point: N. AP. Flammable Limits: LEL: N. AP. UEL: N. AP.
(percent by volume)

Auto Ignition Temperature: N. AP. Extinguishing Media: Water, dry chemical or carbon dioxide

Special Fire Fighting Procedures: N. AP.

UNUSUAL FIRE AND EXPLOSION HAZARDS: May release hydrogen sulfide and carbon monoxide gas when involved in a fire. The small amounts of hydrogen sulfide and carbon monoxide released are not expected to contribute to the intensity of a fire.

Hazardous Combustion Products: Hydrogen sulfide, carbon monoxide and various hydrocarbons

Explosion Data: Sensitivity to mechanical impact: N. AP.
 Sensitivity to static discharge: N. AP.

Section V - Reactivity Data

Stability: Stable Conditions to Avoid: N. AP.

Incompatibility (materials to avoid): N. AP.

Hazardous Decomposition or Byproducts: None

Hazardous Polymerization: Will not occur Conditions to Avoid: N. AP.

Section VI - Toxicological and First Aid Information

HYDROGEN SULFIDE

OSHA Permissible Exposure Level: See Section II. PEL for hydrogen sulfide may be reached if 1 cubic ft of material is crushed in a closed space of 3000 cubic ft.

Routes of Entry: Inhalation: Yes Skin: No Ingestion: Unlikely
 Eye Contact: Yes

Section VI - Toxicological and First Aid Information con't

Effects of Overexposure: Effects of overexposure to hydrogen sulfide gas when cells are broken without adequate ventilation:

Acute: Inhalation - headache, nausea, and difficult breathing, dizziness.

The sense of smell may be fatigued over time. The odor and irritating effects do not offer dependable warning to workers who maybe exposed to gradually increasing amounts and therefore become used to it.

Eyes - irritation and inflammation of the mucous membrane, tearing, sensitivity to light.

Chronic: Chronic poisoning results in headache, inflammation of the eyelids and the mucous membrane that lines the inner surface of the eyelids, digestive disturbances, weight loss and general weakness.

Medical Conditions Generally Aggravated by Exposure to Hydrogen Sulfide: Pre-existing upper respiratory and lung diseases such as, but not limited to bronchitis, emphysema and asthma, pulmonary heart disease or eye problems.

GLASS PARTICLES

Routes of Entry: Inhalation: Yes Skin: No Ingestion: Yes
Eye Contact: Yes

Effects of Exposure to Glass Particles:

Skin - irritation or abrasion from glass particles.

Ingestion - possible abrasion of mouth and throat from glass particles.

Other Toxicological Properties: None known

Emergency and First Aid Procedures:

Eyes: Flush with potable water for 15 minutes, do not rub or apply pressure. Consult physician or emergency medical service.

Skin: Wash thoroughly without pressure. If irritation persists or skin is broken, consult physician.

Inhalation: Remove victim to fresh air, apply artificial respiration if needed. Call poison center, physician or emergency medical service giving CAS names and numbers of gases.

Ingestion: Do not induce vomiting. Consult physician, emergency medical service or poison center.

CRYSTALLINE SILICA

Routes of Entry: Inhalation: Yes Skin: Yes Ingestion: Yes
Eye Contact: Yes

Effects of Exposure to Crystalline Silica:

Acute: Eyes – contact with crystalline silica dust may cause irritation.

Skin – skin contact with crystalline silica may cause irritation.

Section VI - Toxicological and First Aid Information con't

Inhalation – cutting, grinding, crushing or drilling products containing crystalline silica may generate dust containing crystalline silica. Repeated exposures to very high levels of respirable crystalline silica (quartz, cristobalite, tridymite) for periods as short as six months have caused acute silicosis. Acute silicosis is a rapidly progressive, incurable lung disease that is typically fatal. Dusts may irritate the nose, throat, and respiratory tract by mechanical abrasion. Coughing, sneezing and shortness of breath may occur.

Chronic: Chronic bronchitis may result from chronic exposure to dust generated from cutting, grinding, crushing, or drilling products containing crystalline silica. FOAMGLAS® insulation dust may contain more than 0.1% crystalline silica, which is a cancer hazard if inhaled. Cancer risk depends on duration and level of exposure. Prolonged exposure to crystalline silica can cause silicosis, a progressive pneumoconiosis (lung disease).

SILICOSIS – The major concern is silicosis, caused by the inhalation and retention of respirable crystalline silica dust. Silicosis can exist in several forms: chronic (or ordinary), accelerated, or acute. Simple silicosis may be progressive and may develop into complicated silicosis or progressive massive fibrosis (PMF). Complicated silicosis or PMF is characterized by lung lesions (shown as radiographic opacities) greater than 1 centimeter in diameter. Advanced complicated silicosis or PMF may lead to death or heart disease secondary to the lung disease.

CANCER – The International Agency for Research on Cancer (IARC) concluded that “crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1)”. Other conditions that may be caused by, or aggravated by exposure to airborne respirable silica include scleroderma, tuberculosis, and kidney failure.

Emergency and First Aid Procedures:

Eyes: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists. Remove contact lenses after flushing.

Skin: Wash skin with cool water and pH neutral soap or mild detergent intended for use on skin. Get medical attention if irritation develops or persists.

Inhalation: Remove from exposure to fresh air immediately. Encourage victim to cough, spit out, and blow nose to remove dust. Consult a physician immediately if irritation persists or later develops.

Section VII - Precautions For Safe Handling and Use

Handling and Storage: Avoid generation of dust. If storing for long periods, protect product from weather.

Exposure Guidelines

Engineering Controls: When cutting, grinding, crushing, or drilling FOAMGLAS® insulation, provide general or local ventilation systems, as needed, to maintain airborne dust concentrations below the OSHA PELs, MSHA PELs, and ACGIH TLV. Local vacuum collection is preferred since it prevents release of contaminants into the work area by controlling it at the source. Other technologies that may aid in controlling airborne respirable dust include wet suppression, ventilation, process enclosure, and enclosed employee work stations. When exposed to dust above recommended limits, wear a suitable NIOSH-approved respirator with a protection factor appropriate for the level of exposure. Seek guidance from a qualified industrial hygienist or safety professional, prior to respirator selection and use.

Section VII - Precautions For Safe Handling and Use con't

Eye/Face Protection: When cutting, grinding, crushing, or drilling FOAMGLAS® insulation, wear safety glasses with side shields or dust goggles in dusty environments.

Steps to be taken In Case Material is Released or Spilled: Collect in sift-proof containers. Avoid generation of dust.

Waste Disposal Method: Follow applicable Federal, State and local regulations for disposal.

Precautions to be Taken in Handling and Storing: Respirable dust particles containing silica may be generated by crushing, cutting, grinding or drilling FOAMGLAS® insulation. Follow protective controls listed in the Exposure Guidelines above when handling these products.

Other Precautions: None

Section VIII - Personnel Protection Information

Eye Protection: Goggles for dust protection while cutting or abrading in wind or overhead work.

Skin Protection: Gloves - rubber impregnated canvas - for abrasion protection. Normal work clothes including long-sleeved shirt.

Respiratory Protection: Use nuisance dust mask when cutting or abrading with adequate ventilation. Seek guidance from a qualified industrial hygienist or safety professional, prior to dust mask/respirator selection and use. (Supplied air or self-contained breathing apparatus in poorly ventilated areas is required when cutting or crushing of FOAMGLAS® insulation causes PEL of hydrogen sulfide and carbon monoxide gases to be exceeded.

Ventilation: Use local exhaust when cutting. Use mechanical ventilation when crushing large volumes.

Other Protective Clothing or Equipment: None

Work/Hygienic Practices: Use good housekeeping and hygiene practices.

Section IX - Shipping Information

DOT Hazard Class: None

Proper Shipping Name: Cellular Glass

UN #: N. AV.

TSCA: Crystalline silica (quartz) appears on the EPA Toxic Substances Control Act inventory under the CAS Number 14808-60-7.

CA Proposition 65: Crystalline silica (quartz) is classified as a substance known to the state of California to be a carcinogen.

While the information and recommendations set forth herein are believed to be accurate, Pittsburgh Corning Corporation makes no warranty with respect thereto, and disclaims all liability from reliance thereon. IT IS THE RESPONSIBILITY OF A RECIPIENT OF THIS DATA TO REMAIN CURRENTLY INFORMED ON CHEMICAL HAZARD INFORMATION, TO DESIGN AND UPDATE ITS OWN PROGRAM AND TO COMPLY WITH ALL NATIONAL, FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS APPLICABLE TO SAFETY, OCCUPATIONAL HEALTH, RIGHT-TO-KNOW AND ENVIRONMENTAL PROTECTION.

MATERIAL SAFETY DATA SHEET

Revision No: 002
Issued: 5/15/97

Section I - Product Identification

Manufacturer/Supplier:

Cell-U-Foam Corporation
810 FM 521
Fresno, Texas 77545

Emergency Number: (800) 688-4118

Product Name: Ultra-CUF Cell-U-Foam (Brand of Cellular Glass)

CAS Number: N. AP. CAS Name: N. AP.

NFPA Hazard Class: Health: 0 Fire: 0 Reactivity: 0

WHMIS Classification: Class D Division 2B

Use: Insulation of tanks, spheres, piping, roofs and equipment

Section II - Hazardous/Non-Hazardous Ingredients

Ingredient	CAS No.	by Volume	by Wt.	ACGIH TLV	OSHA PEL	NTP IARC OSHA Reg.	Toxicity Data
Hydrogen Sulfide	7783-06-4	<1ppm	<0.01ppm	10ppm	20ppm TWA	No	LC50 673ppm MUS/thl/th
Carbon Monoxide	630-08-0	2-4%	<0.1%	50ppm	35ppm TWA	No	LC50 1807ppm RAT/thl/4h
Glass Dust	N. AP.	Varies	Varies	10mg/m ³	15mg/m ³	No	N.AV

*For gases see "Dangerous Properties of Industrial Materials" by Irving Sax and Richard J. Lewis, Sr.
Comment: N. AV. - Not Available
N. AP. - Not Applicable

Section III - Physical Data

<u>Physical State at 77 F (25 C):</u>	Solid	<u>Freezing Point:</u>	N.A.P.
<u>Boiling Point:</u>	N. AP.	<u>Melting Point:</u>	1350 F (732 C)
<u>Vapor Pressure:</u>	N. AP.	<u>Vapor Density:</u>	N. AP.
<u>Specific Gravity (Water = 1):</u>	0.11-0.14	<u>Percent Volatile:</u>	N. AP.
<u>Solubility in Water:</u>	Insoluble	<u>Evaporation Rate:</u>	N. AP.
<u>Appearance and Odor:</u>	Black cellular material. No No odor unless cut or crushed	<u>Coefficient of Water/ Oil Distribution:</u>	N. AP.
	N. AP.	<u>Distribution:</u>	N. AP.
<u>Odor Threshold:</u>			

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Section IV - Fire and Explosion Hazard Data

Conditions of Flammability: None
 Flash Point: N. AP.
 Flammability Limits: LEL N. AP. UEL N. AP.
 Auto Ignition Temperature: N. AP.
 Extinguishing Media: N. AP.
 Special Fire Fighting Procedures: N. AP.
 Unusual Fire and Explosion Hazards: N. AP.
 Hazardous Combustion Products: N. AP.
 Explosion Data:
 Sensitivity of Mechanical Impact: N. AP.
 Sensitivity of Static Discharge: N. AP.

Section V - Toxicological and First Aid Information

Threshold Limit Value: See Section II. TLV for H₂S may have reached if 1 cu. ft. of material is crushed in a closed space of 3000 cu. ft.

Routes of Entry: Inhalation? Yes Skin? No Ingestion: Unlikely Eye Contact? Yes

Effects of overexposure: Acute - effects of overexposure to gases when cells are broken:

Inhalation - headache, nausea and difficult breathing, dizziness
 Skin - irritation or abrasion of mouth and throat from glass particles
 Eye Contact - irritation, tearing, photophobia

* For gases see "Dangerous Properties of Industrial Materials" by Irving Sax and Richard J. Lewis, Sr.
 Chronic - N. AV.

Medical conditions generally aggravated by exposure: None Known

Emergency and First Aid Procedures:

Inhalation - Remove victim to fresh air, apply artificial respiration if needed. Call poison center, physician or emergency medical service giving CAS names and numbers of gases.
 Skin - Wash thoroughly without pressure. If irritation persists or skin is broken, consult a physician.
 Eye Contact - Flush with potable water for 15 minutes, do not rub or apply pressure. Consult a physician or emergency medical service.
 Ingestion - Do not induce vomiting. Consult a physician, emergency medical service or poison center.

Section VI - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: Collect in sift-proof containers. Avoid generation of dust.

Waste Disposal Method: Dispose of in approved landfill in accordance with all local, state and federal regulations.

Precautions to be taken in handling and storing: Avoid generation of dust. If storing for long periods, protect insulation from weather.

Other Precautions: None

06/24/99 THU 08:55 FAX

Section VII

Eye Protection: Goggles for dust protection while cutting or abrading in wind or overhead work.

Skin Protection: Gloves - rubber impregnated canvas - for abrasion protection. Normal work clothes including long-sleeved shirts.

Respiratory Protection: Nuisance dust when cutting or abrading with ventilation. Supplied air or self-contained breathing apparatus in poorly ventilated areas is required when crushing will cause TLV of gases to be exceeded.

Ventilation: Local exhaust when cutting. Mechanical ventilation when crushing large volumes.

Other Protective
Clothing or equipment: None

Work/Hygienic Practices: Use good housekeeping and hygiene practices.

Section VIII - Shipping Information

DOT Hazard Class: None

Proper Shipping Name: Cellular Glass

UN#: N.A.V.

Revised by: Richard W. Schweizer
Date: May 15, 1997

While the information contained herein is believed to be accurate, it is provided solely for customer consideration, investigation and verification. Cell-U-Foam Corporation disclaims any and all warranties, express or implied, regarding the accuracy and completeness of such information, makes no representation with respect thereto, and disclaims all liability from reliance thereon.

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

August 18, 2021

SET

450 Sumac Road

Wheeling, IL 60090

Telephone: (847) 537-9221

Fax: (847) 537-9265

Analytical Report for STAT Work Order: 21080246 Revision 0

RE: 2107-0095, CF Industries-Kingston Mines, 215 Pearl St., Kingston Mines, IL

Dear SET Environmental, Inc.:

STAT Analysis received 5 samples for the referenced project on 8/4/2021 4:10:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAP standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,


Justice Kwateng
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples as received and tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.

Client: SET
Project: 2107-0095, CF Industries-Kingston Mines, 215 Pearl S
Work Order: 21080246 Revision 0

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
21080246-001A	KM Allweathercrete		7/28/2021 12:05:00 PM	8/4/2021
21080246-002A	KM Tar		7/28/2021 12:10:00 PM	8/4/2021
21080246-003A	KM Sand		7/28/2021 12:15:00 PM	8/4/2021
21080246-004A	KM Foam Black		7/28/2021 12:20:00 PM	8/4/2021
21080246-005A	KM Perlite		7/28/2021 12:25:00 PM	8/4/2021

STAT Analysis Corporation

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: August 18, 2021

Date Printed: August 18, 2021

ANALYTICAL RESULTS

Client: SET

Project: 2107-0095, CF Industries-Kingston Mines, 215 Pearl St., Work Order: 21080246 Revision 0

Lab ID: 21080246-001

Collection Date: 7/28/2021 12:05:00 PM

Client Sample ID KM Allweathercrete

Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS						
	SW1311/6020A (SW3005A)			Prep Date: 8/10/2021		Analyst: JG
Arsenic	ND	0.010		mg/L	5	8/10/2021
Barium	ND	0.050		mg/L	5	8/10/2021
Cadmium	ND	0.0050		mg/L	5	8/10/2021
Chromium	ND	0.010		mg/L	5	8/10/2021
Lead	ND	0.0050		mg/L	5	8/10/2021
Selenium	ND	0.010		mg/L	5	8/10/2021
Silver	ND	0.010		mg/L	5	8/10/2021
TCLP Mercury						
	SW1311/7470A			Prep Date: 8/10/2021		Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/10/2021
pH (25 °C)						
	SW9045C			Prep Date: 8/5/2021		Analyst: AJR
pH	9.26			pH Units	1	8/5/2021
Flash Point (Open-Cup)						
	SW1010(M)			Prep Date: 8/5/2021		Analyst: RW
Flashpoint	No flash up to 212		*	°F	1	8/5/2021

Lab ID: 21080246-002

Collection Date: 7/28/2021 12:10:00 PM

Client Sample ID KM Tar

Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS						
	SW1311/6020A (SW3005A)			Prep Date: 8/10/2021		Analyst: JG
Arsenic	ND	0.010		mg/L	5	8/10/2021
Barium	0.13	0.050		mg/L	5	8/10/2021
Cadmium	ND	0.0050		mg/L	5	8/10/2021
Chromium	ND	0.010		mg/L	5	8/10/2021
Lead	ND	0.0050		mg/L	5	8/10/2021
Selenium	ND	0.010		mg/L	5	8/10/2021
Silver	ND	0.010		mg/L	5	8/10/2021
TCLP Mercury						
	SW1311/7470A			Prep Date: 8/10/2021		Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/10/2021
pH (25 °C)						
	SW9045C			Prep Date: 8/5/2021		Analyst: AJR
pH	8.92			pH Units	1	8/5/2021
Flash Point (Open-Cup)						
	SW1010(M)			Prep Date: 8/5/2021		Analyst: RW
Flashpoint	No flash up to 212		*	°F	1	8/5/2021

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation

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Date Reported: August 18, 2021

Date Printed: August 18, 2021

ANALYTICAL RESULTS

Client: SET

Project: 2107-0095, CF Industries-Kingston Mines, 215 Pearl St.. Work Order: 21080246 Revision 0

Lab ID: 21080246-003

Collection Date: 7/28/2021 12:15:00 PM

Client Sample ID KM Sand

Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A) Prep Date: 8/10/2021 Analyst: JG					
Arsenic	ND	0.010		mg/L	5	8/10/2021
Barium	0.17	0.050		mg/L	5	8/10/2021
Cadmium	ND	0.0050		mg/L	5	8/10/2021
Chromium	ND	0.010		mg/L	5	8/10/2021
Lead	ND	0.0050		mg/L	5	8/10/2021
Selenium	ND	0.010		mg/L	5	8/10/2021
Silver	ND	0.010		mg/L	5	8/10/2021
TCLP Mercury	SW1311/7470A Prep Date: 8/10/2021 Analyst: LB					
Mercury	ND	0.00020		mg/L	1	8/10/2021
pH (25 °C)	SW9045C Prep Date: 8/5/2021 Analyst: AJR					
pH	9.12			pH Units	1	8/5/2021
Flash Point (Open-Cup)	SW1010(M) Prep Date: 8/5/2021 Analyst: RW					
Flashpoint	No flash up to 212		*	°F	1	8/5/2021

Lab ID: 21080246-004

Collection Date: 7/28/2021 12:20:00 PM

Client Sample ID KM Foam Black

Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A) Prep Date: 8/10/2021 Analyst: JG					
Arsenic	ND	0.010		mg/L	5	8/10/2021
Barium	0.057	0.050		mg/L	5	8/10/2021
Cadmium	ND	0.0050		mg/L	5	8/10/2021
Chromium	ND	0.010		mg/L	5	8/10/2021
Lead	0.092	0.0050		mg/L	5	8/10/2021
Selenium	ND	0.010		mg/L	5	8/10/2021
Silver	ND	0.010		mg/L	5	8/10/2021
TCLP Mercury	SW1311/7470A Prep Date: 8/10/2021 Analyst: LB					
Mercury	ND	0.00020		mg/L	1	8/10/2021
pH (25 °C)	SW9045C Prep Date: 8/5/2021 Analyst: AJR					
pH	9.41			pH Units	1	8/5/2021
Flash Point (Open-Cup)	SW1010(M) Prep Date: 8/5/2021 Analyst: RW					
Flashpoint	No flash up to 212		*	°F	1	8/5/2021

Qualifiers:

ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

STAT Analysis Corporation

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Date Reported: August 18, 2021

Date Printed: August 18, 2021

ANALYTICAL RESULTS

Client: SET

Project: 2107-0095, CF Industries-Kingston Mines, 215 Pearl St., Work Order: 21080246 Revision 0

Lab ID: 21080246-005

Collection Date: 7/28/2021 12:25:00 PM

Client Sample ID KM Perlite

Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)					Prep Date: 8/18/2021 Analyst: JG
Arsenic	ND	0.010		mg/L	5	8/18/2021
Barium	0.88	0.050		mg/L	5	8/18/2021
Cadmium	ND	0.0050		mg/L	5	8/18/2021
Chromium	ND	0.010		mg/L	5	8/18/2021
Lead	ND	0.0050		mg/L	5	8/18/2021
Selenium	ND	0.010		mg/L	5	8/18/2021
Silver	ND	0.010		mg/L	5	8/18/2021
TCLP Mercury	SW1311/7470A					Prep Date: 8/18/2021 Analyst: LB
Mercury	ND	0.00020		mg/L	1	8/18/2021
pH (25 °C)	SW9045C					Prep Date: 8/5/2021 Analyst: AJR
pH	8.98			pH Units	1	8/5/2021
Flash Point (Open-Cup)	SW1010(M)					Prep Date: 8/5/2021 Analyst: RW
Flashpoint	No flash up to 212		*	°F	1	8/5/2021

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

SET Environmental, Inc. 21080246

Chain of Custody Record

450 Sumac Road, Wheeling, IL 60090

Ph: 847-537-9221 * Fax: 847-537-9265

www.setenv.com

COC #: - 40306

Client: CF Industries - Kingston Mines
 Address: 215 Pearl Street
Kingston Mines, IL
 Phone #: Fax #:
 P.O. #: Proj #: 2107-0095
 Client Contact: Fola Fayanyola

Sample Type:
 1. Waste Water 4. Sludge 7. Groundwater (filtered)
 2. Drinking Water 5. Oil 8. Other
 3. Soil 6. Groundwater
 Container Type:
 P-Plastic V VOC Vial O-Other
 G Glass B Tedlar Bag
 Preservative:
 1. None 3. HNO3 5. HCl 7. ON Ice
 2. H2SO4 4. NaOH 6. MeOH 8. Other

Sampler: John Janstun

Sample I.D. / Drum Numbers	Sample Type	Container		pH	Sampling		Preservation		TC	#																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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SPECIAL INSTRUCTIONS:

Turnaround Time: ☐ Rush (circle one)

SET Contact:

Lab:

☐ 1 2 or 3 day TAT
☐ Routine (5-10 days)

STAT

Received on Ice: ☒ Yes ☐ No
 Temperature: 7.2 °C

STAT Analysis Corporation

Sample Receipt Checklist

Client Name SET

Date and Time Received:

8/4/2021 4:10:00 PM

Work Order Number 21080246

Received by: ID

Checklist completed by:

Signature

Date

Reviewed by:

Initials

Date

Matrix:

Carrier name: STAT Analysis

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels/containers?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container or Temp Blank temperature in compliance?	Yes ☒	No ☐	Temperature 2.8 °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☐	No ☐
Water - Samples pH checked?	Yes ☐	No ☐	Checked by: _____
Water - Samples properly preserved?	Yes ☐	No ☐	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments:

Client / Person
contacted:

Date contacted:

Contacted by:

Response:

Safety Data Sheet Sand and Gravel

Section 1. Identification

GHS product identifier:	Sand and Gravel
Other means of identification:	Aggregate, Manufactured Sand, Natural Stone, Crushed Stone
Relevant identified uses of the substance or mixture and uses advised against:	Sand and Gravel aggregate may be used in the manufacture of bricks, mortar, cement, concrete, plasters, paving materials, and other construction materials. Sand and Gravel aggregate may be distributed in bags, totes, and bulk shipments. No known recommended restrictions.
Supplier's details:	300 E. John Carpenter Freeway, Suite 1645 Irving, TX 75062 (972) 653-5500
Emergency telephone number (24 hours):	CHEMTREC: (800) 424-9300

Section 2. Hazards Identification

GHS Classification:	CARCINOGENICITY – Category 1A SPECIFIC TARGET ORGAN TOXICITY – Category 2 REPEATED EXPOSURE SKIN CORROSION/IRRITATION – Category 2 EYE DAMAGE/IRRITATION – Category 2A
----------------------------	--

GHS label elements

Hazard pictograms:



Signal word:	Danger
Hazard statements:	May cause cancer May cause damage to organs (lung) through prolonged or repeated exposure Causes skin irritation Causes serious eye irritation

Precautionary statements:

Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash any exposed body parts. Wear protective gloves/protective clothing/eye protection/face protection.
Response:	If exposed or concerned: Get medical advice/attention. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If in eyes: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do.
Storage:	Restrict or control access to stockpile areas (store locked up). Engulfment hazard: To prevent burial or suffocation, do not enter a confined space, such as a silo, bulk truck or other storage container or vessel that stores or contains aggregates without an effective procedure for assuring safety.
Disposal:	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazards not otherwise classified (HNOC):	None known
Supplemental Information:	Respirable Crystalline Silica (RCS) may cause cancer. Sand and Gravel is a naturally occurring mineral complex that contains varying quantities of quartz (crystalline silica). In its natural bulk state, sand and gravel is not a known health hazard. Sand and Gravel may be subjected to various natural or mechanical forces that produce small particles (dust) which may contain respirable crystalline silica (particles less than 10 micrometers in aerodynamic diameter). Repeated inhalation of respirable crystalline silica (quartz) may cause lung cancer according to IARC and NTP; ACGIH states that it is a suspected cause of cancer. Other forms of RCS (e.g., tridymite and cristobalite) may also be present or formed under certain industrial processes.

Section 3. Composition/information on ingredients

CAS number/other identifiers

Substance/mixture: Sand and Gravel

Ingredient name	%	CAS number
Sand and Gravel	> 99	None
Crystalline Silica (Quartz)	> 1	14808-60-7

Any concentration shown as a range is to protect confidentiality or is due to process variation. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. These materials are mined from the earth. Trace amounts of naturally occurring elements might be detected during chemical analysis of these materials.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye Contact:	Dust: Immediately flush with plenty of water for at least 15 minutes. Hold eyelids apart. Remove contacts if present and easy to do. Occasionally lift the eyelid(s) to ensure thorough rinsing. Beyond flushing, do not attempt to remove material from the eye(s). Get medical attention if irritation develops or persists.
Inhalation:	Dust: Move to fresh air. Call a physician if symptoms develop or persist.
Skin Contact:	Dust: Wash off with soap and water. Get medical attention if irritation develops and persists.
Ingestion:	Dust: Rinse mouth and drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms/effects, acute and delayed

Inhaling dust may cause discomfort in the chest, shortness of breath, and coughing. Prolonged inhalation may cause chronic health effects. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica liberated from this product can cause silicosis, and may cause cancer.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician:	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
Specific treatments:	Not Applicable
Protection of first-aiders:	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
General information:	Pre-existing medical conditions that may be aggravated by exposure include disorders of the eye, skin and lung (including asthma and other breathing disorders). If addicted to tobacco, smoking will impair the ability of the lungs to clear themselves of dust.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media:	Not flammable. Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	None known.
Specific hazards arising from the chemical:	No unusual fire or explosion hazards noted. Not a combustible dust.
Hazardous thermal decomposition Products:	None known

Special protective equipment for fire-fighters:

General fire hazards:

Use protective equipment appropriate for surrounding materials. No specific precautions. Contact with powerful oxidizing agents may cause fire and/or explosions (see section 10 of SDS). No unusual fire or explosion hazards.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear appropriate protective equipment and clothing during clean-up of materials that contain or may liberate dust.

Methods and materials for containment, cleaning up and Environmental precautions

Spilled material, where dust is generated, may overexpose cleanup personnel to respirable crystalline silica-containing dust. Do not dry sweep or use compressed air for clean-up. Wetting of spilled material and/or use of respiratory protective equipment may be necessary. Avoid discharge of fine particulate matter into drains or water courses.

Section 7. Handling and storage

Precautions for safe handling

Protective measures:

Do not handle until all safety precautions have been read and understood. Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment.

Advice on general occupational hygiene:

Observe good industrial hygiene practices. Promptly remove dusty clothing and launder before reuse.

Conditions for safe storage, including any incompatibilities:

Avoid dust formation or accumulation.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits:

- 1 – Value equivalent to OSHA formulas (29 CFR 1910.1000; 29 CFR 1917; 29 CFR 1918)
- 2 – Value also applies to MSHA metal/Non-Metal (1973 TLVs at 30 CFR 56/57.5001)
- 3 – OSHA enforces 0.250 mg/m³ in construction and shipyards (CPL-03-00-007)
- 4 – Value also applies to OSHA construction (29 CFR 1926.55 Appendix A) and shipyards (29 CFR 1915.1000 Table Z)
- 5 – MSHA limit = 10 mg/m³

Ingredient name	Exposure limits
Particulates not otherwise classified (CAS SEQ250)	ACGIH TLV (United States, 3/2012) TWA: 3 mg/m ³ . Form: Respirable particles (2) TWA: 10 mg/m ³ . Form: Inhalable particles (2) OSHA PEL (United States, 6/2010) PEL: 5 mg/m ³ . Form: Respirable fraction PEL: 15 mg/m ³ . Form: Total dust (4) TWA: 5 mg/m ³ . Form: Respirable fraction (1) TWA: 15 mg/m ³ . Form: Total dust (1, 4, 5)
Crystalline Silica (Quartz) (CAS 14808-60-7)	OSHA PEL (United States, 9/2017) TWA: 0.3 mg/m ³ . Form: Total dust (1,2) TWA: 0.05 mg/m ³ . Form: Respirable (1,2,3) ACGIH TLV (United States, 3/2012) TWA: 0.025 mg/m ³ . Form: Respirable fraction NIOSH REL (United States, 6/2009) TWA: 0.05 mg/m ³ . Form: Respirable dust

Appropriate engineering controls:

Good general ventilation (typically 10 air changes per hour indoors) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Exposure guidelines:

OSHA PELs, MSHA PELs, and ACGIH TLVs are 8-hr TWA values. NIOSH RELs are for TWA exposures up to 10-hr/day and 40-hr/wk. Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled. Terms including "Particulates Not Otherwise Classified," "Particulates Not Otherwise Regulated," "Particulates Not Otherwise Specified," and "Inert or Nuisance Due" are often used interchangeably; however, the user should review each agency's terminology for differences in meanings.

Biological limit values:

No biological exposure limits noted for the ingredient(s)

Individual protection measures

Hygiene measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Eye/face protection:

Wear safety glasses with side shields (or goggles).

Hand protection:

Use personal protective equipment as required.

Body protection:

Use personal protective equipment as required.

Other skin protection:

Use personal protective equipment as required.

Respiratory protection:

When handling or performing work that produces dust or respirable crystalline silica in excess of applicable exposure limits, wear a NIOSH-approved respirator that is properly fitted and is in good condition. Respirators must be used in accordance with all applicable workplace regulations.

Thermal hazards:

Not anticipated. Wear appropriate thermal protective clothing if necessary.

Section 9. Physical and chemical properties

Appearance

Physical State:	Solid, particles of granular mixture	Lower and Upper explosive flammable limits	Not applicable
Color:	Various colors	Vapor pressure:	Not applicable
Odor:	Not applicable	Vapor density:	Not applicable
Odor threshold:	Not applicable	Relative density:	Not available
pH:	Not available	Solubility:	Not available
Melting point:	Not applicable	Solubility in water:	Insoluble
Boiling point:	Not applicable	Partition coefficient: n-octanol/water:	Not applicable
Flash point:	Non-combustible	Auto-ignition temperature:	Not applicable
Burning time:	Not applicable	Decomposition temperature:	Not applicable
Burning rate:	Not applicable	SADT:	Not available
Evaporation Rate:	Not applicable	Viscosity:	Not applicable
Flammability (solid, gas):	Not applicable		

Section 10. Stability and reactivity

Reactivity:	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability:	Material is stable under normal conditions
Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.
Conditions to avoid:	Avoid contact with strong oxidizing agents.
Incompatible materials:	Crystalline silica may react violently with strong oxidizing agents, causing fire and explosions.
Hazardous decomposition products:	Silica dissolves in hydrofluoric acid producing a corrosive gas-silicon tetrafluoride.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity:	Not expected to be acutely toxic.
Irritation/Corrosion:	Skin: Dust: May cause irritation through mechanical abrasion. This product is not expected to be a skin hazard. Eyes: Direct contact with eyes may cause temporary irritation through mechanical abrasion. Inhalation: Repeated inhalation of respirable crystalline silica (quartz) may cause silicosis, a fibrosis (scarring) of the lungs. Silicosis is irreversible and may be fatal. Silicosis increases the risk of contracting pulmonary tuberculosis. Some studies suggest that repeated inhalation of respirable crystalline silica may cause other adverse health effects including lung and kidney cancer. Ingestion: Not likely due to product form. However accidental ingestion may cause discomfort.
Sensitization:	Respiratory sensitization: No respiratory sensitizing effects known. Skin sensitization: Not known to be a dermal irritant or sensitizer.
Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Aspiration Hazard:	Not expected to be an aspiration hazard.
Reproductive toxicity:	Not expected to be a reproductive hazard.
Symptoms related to physical, chemical and toxicological characteristics:	Dust: discomfort in the chest. Shortness of breath. Coughing.
Carcinogenicity:	Respirable crystalline silica has been classified by IARC and NTP as a known human carcinogen, and classified by ACGIH as a suspected human carcinogen.

Product/ingredient name	OSHA	IARC	ACGIH	NTP
Crystalline Silica (Quartz) CAS 14808-60-7)	Not listed	1 Carcinogenic to humans	A2	Known to be human Carcinogen

Specific target organ toxicity (acute exposure)

Name	Category	Route of Exposure	Target Organs
Crystalline Silica (Quartz) CAS 14808-60-7)	-	Inhalation	Not reported to have effects

Specific target organ toxicity (chronic exposure)

Name	Category	Route of Exposure	Target Organs
Crystalline Silica (Quartz) CAS 14808-60-7)		Inhalation	May cause damage to organs (lung through prolonged or repeated exposure.

Potential chronic health effects: General: Prolonged inhalation of respirable crystalline silica may be harmful. May cause damage to organs (lungs) through prolonged or repeated exposure. There are reports in the literature suggesting that excessive crystalline silica exposure may be associated with autoimmune disorders and other adverse health effects involving the kidney. In particular, the incidence of scleroderma (thickening of the skin caused by swelling and the thickening of fibrous tissue) appears to be higher in silicotic individuals. To date, the evidence does not conclusively determine a causal relationship between silica exposure and these adverse health effects.

Section 12. Ecological Information

Ecotoxicity

Not expected to be harmful to aquatic organisms. Discharging sand and gravel dust and fines into waters may increase total suspended particulate (TSP) levels that can be harmful to certain aquatic organisms.

Persistence and degradability: Not applicable.
Bioaccumulative potential: Not applicable.
Mobility in soil: Not applicable.
Other adverse effects: No other adverse environmental effects (e.g., ozone depletion, photochemical ozone creation potential, global warming potential) are expected from this component.

Section 13. Disposal considerations

Disposal methods: Do not allow fine particulate matter to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with fine particulates. Dispose of contents in accordance with local/regional/national/international regulations.
Hazardous waste code: Not regulated.
Waste from residues/unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty packaging materials should be recycled or disposed of in accordance with applicable regulations and practices.

Section 14. Transportation information

	DOT Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	-	-	-
Additional information	-	-	-

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Section 15. Regulatory Information

U.S. Federal regulations:

OSHA Hazard Communication Standard, 29 CFR 1910.1200 This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

TSCA Section 12(b) Export Notification (40 CFR 707, Subpart. D): Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed

CERCLA Hazardous Substance List (40 CFR 302.4): Not listed

Clean Air Act Section 112 (b): Hazardous Air Pollutants (HAPs): Not regulated

Clean Air Act Section 112 (r) Accidental Release Prevention (40 CFR 68.130): Not regulated

Safe Drinking Water Act (SDWA): Not regulated

SARA 311/312

Classification: Delayed (chronic) health hazard

Composition/information on ingredients

Name	%	Fire Hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Crystalline Silica (Quartz) CAS 14808-60-7	>1	No	No	No	No	Yes

SARA 313 (TRI)

	Product name	CAS number	%
Form R-Report requirements	Crystalline Silica (Quartz)	14808-60-7	Not regulated

State regulations

Massachusetts RTK:	The following components are listed: Crystalline Silica (Quartz) (CAS 14808-60-7), Respirable Tridymite and Cristobalite (other forms of crystalline silica) (CAS Mixture)
New Jersey RTK:	The following components are listed: Crystalline Silica (Quartz) (CAS 14808-60-7), Respirable Tridymite and Cristobalite (other forms of crystalline silica) (CAS mixture)
Pennsylvania RTK:	The following components are listed: Crystalline Silica (Quartz) (CAS 14808-60-7), Respirable Tridymite and Cristobalite (other forms of crystalline silica) (CAS Mixture)
Rhode Island RTK:	Not regulated.

California Prop. 65

WARNING: This product contains crystalline silica and chemicals (trace metals) known to the State of California to cause cancer.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Crystalline Silica (Quartz) CAS 14808-60-7	Yes	No	No	No

International regulations

Ingredient name	CAS #	TSCA	Canada	WHMIS	EEC
Crystalline Silica (Quartz)	14808-60-7	Yes	DSL	D2A	EINECS

WHMIS Classification:

D2A "Materials Causing Other Toxic Effects"



Section 16. Other Information

Date of issue: 07/01/2018
Replaces: 06/01/2015
Revised Section(s): Section 8

Notice to reader

While the information provided in this safety data sheet is believed to provide a useful summary of the hazards of sand and gravel as it is commonly used, the sheet cannot anticipate and provide all of the information that might be needed in every situation. Inexperienced product users should obtain proper training before using this product. In particular, the data furnished in this sheet do not address hazards that may be posed by other materials mixed with sand and gravel to produce sand and gravel products. Users should review other relevant material safety data sheets before working with this sand and gravel or working on sand and gravel products.

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY Lehigh Hanson, except that the product shall conform to contracted specifications. The information provided herein was believed by the Lehigh Hanson to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information to comply with all laws and procedures applicable to the safe handling and use of product and to determine the suitability of the product for its intended use. Buyer's exclusive remedy shall be for damages and no claim of any kind, whether as to product delivered or for non-delivery of product, and whether based on contract, breach of warranty, negligence, or otherwise shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.

Abbreviations

ACGIH — American Conference of Governmental Industrial Hygienists
CAS — Chemical Abstract Service
CERCLA — Comprehensive Emergency Response and Comprehensive Liability Act
CFR — Code of Federal Regulations
DOT — Department of Transportation
GHS — Globally Harmonized System
HEPA — High Efficiency Particulate Air
IATA — International Air Transport Association
IARC — International Agency for Research on Cancer
IMDG — International Maritime Dangerous Goods
NIOSH — National Institute of Occupational Safety and Health
NOEC — No Observed Effect Concentration
NTP — National Toxicology Program
OSHA — Occupational Safety and Health Administration
PEL — Permissible Exposure Limit
REL — Recommended Exposure Limit
RQ — Reportable Quantity
SARA — Superfund Amendments and Reauthorization Act
SDS — Safety Data Sheet
TLV — Threshold Limit Value
TPQ — Threshold Planning Quantity
TSCA — Toxic Substances Control Act
TWA — Time-Weighted Average
UN — United Nations

Waste Profile 630955IL



Requested Facility: _____ ☐ Unsure Profile Number: **630955IL**
☐ Multiple Generator Locations (Attach Locations) ☐ Request Certificate of Disposal ☐ Renewal? Original Profile Number: _____

A. GENERATOR INFORMATION (MATERIAL ORIGIN)

1. Generator Name: _____
2. Site Address: _____
(City, State, ZIP) _____
3. County: _____
4. Contact Name: _____
5. Email: _____
6. Phone: _____ 7. Fax: _____
8. Generator EPA ID: _____ ☐ N/A
9. State ID: _____ ☐ N/A

C. MATERIAL INFORMATION

1. Common Name: _____
Describe Process Generating Material: ☐ See Attached
2. Material Composition and Contaminants: ☐ See Attached

1.	
2.	
3.	
4.	

Total comp. must be equal to or greater than 100%≥100%
3. State Waste Codes: _____ ☐ N/A
4. Color: _____
5. Physical State at 70°F: ☐ Solid ☐ Liquid ☐ Other: _____
6. Free Liquid Range Percentage: _____ to _____ ☐ N/A
7. pH: _____ to _____ ☐ N/A
8. Strong Odor: ☐ Yes ☐ No Describe: _____
9. Flash Point: ☐ <140°F ☐ 140°–199°F ☐ ≥200° ☐ N/A

E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION

1. Analytical attached ☐ Yes
Please identify applicable samples and/or lab reports:
2. Other information attached (such as MSDS)? ☐ Yes

G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this EZ Profile™ form, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided. Any analytical data attached was derived from a sample that is representative as defined in 40 CFR 261 – Appendix 1 or by using an equivalent method. All changes occurring in the character of the material (i.e., changes in the process or new analytical) will be identified by the Generator and be disclosed to Waste Management prior to providing the material to Waste Management.

If I am an agent signing on behalf of the Generator, I have confirmed with the Generator that information contained in this Profile is accurate and complete.

Name (Print): _____ Date: _____
Title: _____
Company: _____

B. BILLING INFORMATION☐ SAME AS GENERATOR

1. Billing Name: _____
2. Billing Address: _____
(City, State, ZIP) _____
3. Contact Name: _____
4. Email: _____
5. Phone: _____ 6. Fax: _____
7. WM Hauled? ☐ Yes ☐ No
8. P.O. Number: _____
9. Payment Method: ☐ Credit Account ☐ Cash ☐ Credit Card

D. REGULATORY INFORMATION

1. EPA Hazardous Waste? ☐ Yes* ☐ No
Code: _____
 2. State Hazardous Waste? ☐ Yes ☐ No
Code: _____
 3. Is this material non-hazardous due to Treatment, Delisting, or an Exclusion? ☐ Yes* ☐ No
 4. Contains Underlying Hazardous Constituents? ☐ Yes* ☐ No
 5. From an industry regulated under Benzene NESHAP? ☐ Yes* ☐ No
 6. Facility remediation subject to 40 CFR 63 GGGGG? ☐ Yes* ☐ No
 7. CERCLA or State-mandated clean-up? ☐ Yes* ☐ No
 8. NRC or State-regulated radioactive or NORM waste? ☐ Yes* ☐ No
- *If Yes, see Addendum (page 2) for additional questions and space.**
9. Contains PCBs? → If Yes, answer a, b and c. ☐ Yes ☐ No
 - a. Regulated by 40 CFR 761? ☐ Yes ☐ No
 - b. Remediation under 40 CFR 761.61 (a)? ☐ Yes ☐ No
 - c. Were PCB imported into the US? ☐ Yes ☐ No
 10. Regulated and/or Untreated Medical/Infectious Waste? ☐ Yes ☐ No
 11. Contains Asbestos? ☐ Yes ☐ No
→ If Yes: ☐ Non-Friable ☐ Non-Friable – Regulated ☐ Friable

F. SHIPPING AND DOT INFORMATION

1. ☐ One-Time Event ☐ Repeat Event/Ongoing Business
2. Estimated Quantity/Unit of Measure: _____
☐ Tons ☐ Yards ☐ Drums ☐ Gallons ☐ Other: _____
3. Container Type and Size: _____
4. USDOT Proper Shipping Name: _____ ☐ N/A

Certification Signature



**Profile Addendum: State of Illinois
GENERATOR'S NON-SPECIAL WASTE CERTIFICATION**

F. Additional Waste Stream Information

Profile Number: _____

Generators Name: _____

Generators SITE Address: _____
(The location where the waste is generated)

Waste Name: _____

The Illinois Environmental Protection Act allows a Generator to certify that their pollution control waste or industrial process waste, is not an Illinois Special Waste (Section 3.45). By completing the following questionnaire, you may certify that the waste stream represented by the Waste Management Profile referenced above is not an Illinois Special Waste as defined in the Act.

Is the waste referenced above any of the following:

- | | | |
|--|------------------------------|-----------------------------|
| 1. A Potentially Infectious Medical Waste (PIMW)? | ☐ Yes | ☐ No |
| 2. A Hazardous Waste as defined in 40 CFR 261 or in 35 IAC 722.111? | ☐ Yes | ☐ No |
| 3. A Liquid Waste (fails the paint filter test as defined in 35 IAC 811.107)? | ☐ Yes | ☐ No |
| 4. A regulated PCB waste as defined in 40 CFR 761? | ☐ Yes | ☐ No |
| 5. A NESHAP regulated asbestos waste other than waste from renovation or demolition? | ☐ Yes | ☐ No |
| 6. A waste resulting from the shredding recyclable metals (auto fluff)? | ☐ Yes | ☐ No |
| 7. A delisted Hazardous Waste or Treated Characteristic Hazardous Waste, subject to LDR requirements under 35 IAC 728.107? | ☐ Yes | ☐ No |

In determining that this waste is not a liquid, I have used knowledge of the processes generating the waste and the attached supporting documentation: ☐ MSDS ☐ Analytical ☐ Other (explain below):

In determining that this waste is not RCRA hazardous, I have used knowledge of the processes generating the waste and the attached supporting documentation: ☐ MSDS ☐ Analytical ☐ Other (explain below):

8. Is the waste represented by this profile sheet exempt from Illinois Solid Waste Management Act fee? ☐ Yes ☐ No

Select option: Pollution Control Waste Other

By signing below, I certify my waste is NOT an Illinois Special Waste, and that I understand that a person who knowingly and falsely certifies that a waste is not special waste is subject to the penalties set forth in subdivision (6) of subsection (h) of section 44 of the Illinois Environmental Protection Act.

Name: (Print) _____ Title: _____

Signature: _____ Date: _____



October 12, 2021

Bud Chamblin
Ameren Energy Resources - Decatur
370 S Main St
Decatur, IL 62523

RE: Ameren Construction Soil

Dear Bud Chamblin:

Please find enclosed the analytical results for the **1** sample(s) the laboratory received on **9/28/21 9:41 am** and logged in under work order **E105139**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of PDC Laboratories.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

PDC Laboratories. appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the Director of Client Services, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lgrant@pdclab.com.

Sincerely,

Erin Lane
Project Manager



**SAMPLE RECEIPT CHECK LIST**

Items not applicable will be marked as in compliance

Work Order EI05139

NO	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
NO	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
NO	Short hold time analysis
YES	Current PDC COC submitted
YES	Case narrative provided



Case Narrative

WO #EI5139 was received 09/28/21 at 12.3 C.

Sample(s) did not meet regulatory thermal preservation requirement.

Sample(s) were:

1. Received on the same day of collection, above allowable maximum temperature, and not received on ice.
- OR
2. Received after the day of collection and were above the allowable maximum temperature.

PLEASE NOTE: Results **MAY** not be acceptable to report to a regulatory authority.

Analyses that do not require thermal preservation are Radiochemistry, Drinking Water Bacteriology, Fluoride, Chloride, Bromide, Mercury 245.1/7470, metals methods 200.7/200.8 and 6010/6020.



ANALYTICAL RESULTS

Sample: EI05139-01
Name: Construction Soil
Matrix: Solid - Regular Sample

Sampled: 09/28/21 09:15
Received: 09/28/21 09:41
PO #: 968370

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
General Chemistry - STL									
Solids - total solids (TS)	84	%		09/30/21 12:24	1	0.050	09/30/21 13:42	SEC	SM 2540G*
Reactive Sulfide	< 20.0	mg/kg		10/05/21 10:57	1	20.0	10/05/21 11:20	CLH	SW 9034 & 7.3.4.1*
Polychlorinated Biphenyls (PCBs) - STL									
Aroclor 1016	< 17	ug/kg		10/01/21 04:48	1	17	10/01/21 07:29	JMH	EPA 8082
Aroclor 1221	< 17	ug/kg		10/01/21 04:48	1	17	10/01/21 07:29	JMH	EPA 8082
Aroclor 1232	< 17	ug/kg		10/01/21 04:48	1	17	10/01/21 07:29	JMH	EPA 8082
Aroclor 1242	< 17	ug/kg		10/01/21 04:48	1	17	10/01/21 07:29	JMH	EPA 8082
Aroclor 1248	< 17	ug/kg		10/01/21 04:48	1	17	10/01/21 07:29	JMH	EPA 8082
Aroclor 1254	< 17	ug/kg		10/01/21 04:48	1	17	10/01/21 07:29	JMH	EPA 8082
Aroclor 1260	< 17	ug/kg		10/01/21 04:48	1	17	10/01/21 07:29	JMH	EPA 8082
Aroclors - Total	< 17	ug/kg		10/01/21 04:48	1	17	10/01/21 07:29	JMH	EPA 8082
Semivolatile Organics - TCLP - STL									
2,4,5-Trichlorophenol	< 0.10	mg/L		10/04/21 06:42	1	0.10	10/04/21 15:13	DEK	EPA 8270C
2,4,6-Trichlorophenol	< 0.10	mg/L		10/04/21 06:42	1	0.10	10/04/21 15:13	DEK	EPA 8270C
2,4-Dinitrotoluene	< 0.10	mg/L		10/04/21 06:42	1	0.10	10/04/21 15:13	DEK	EPA 8270C
2-Methylphenol	< 0.10	mg/L		10/04/21 06:42	1	0.10	10/04/21 15:13	DEK	EPA 8270C
3- & 4-Methylphenol	< 0.10	mg/L		10/04/21 06:42	1	0.10	10/04/21 15:13	DEK	EPA 8270C
Hexachlorobenzene	< 0.10	mg/L		10/04/21 06:42	1	0.10	10/04/21 15:13	DEK	EPA 8270C
Hexachlorobutadiene	< 0.10	mg/L		10/04/21 06:42	1	0.10	10/04/21 15:13	DEK	EPA 8270C
Hexachloroethane	< 0.10	mg/L		10/04/21 06:42	1	0.10	10/04/21 15:13	DEK	EPA 8270C
Nitrobenzene	< 0.10	mg/L		10/04/21 06:42	1	0.10	10/04/21 15:13	DEK	EPA 8270C
Pentachlorophenol	< 0.10	mg/L		10/04/21 06:42	1	0.10	10/04/21 15:13	DEK	EPA 8270C
Pyridine	< 0.10	mg/L		10/04/21 06:42	1	0.10	10/04/21 15:13	DEK	EPA 8270C
TCLP - STL									
Final pH	5.7			09/30/21 13:29	1		10/01/21 13:27	RVL	SW 1311*
TCLP Metals - STL									
Final pH	5.7			09/30/21 13:29	1		10/01/21 13:27	RVL	SW 1311*
Mercury	< 0.0002	mg/L		10/05/21 15:43	1	0.0002	10/06/21 11:15	CGB	SW 7470
Arsenic	< 0.250	mg/L		10/01/21 09:48	1	0.250	10/01/21 15:12	KAM	EPA 6010B
Barium	0.858	mg/L		10/01/21 09:48	1	0.700	10/01/21 15:12	KAM	EPA 6010B



ANALYTICAL RESULTS

Sample: EI05139-01
Name: Construction Soil
Matrix: Solid - Regular Sample

Sampled: 09/28/21 09:15
Received: 09/28/21 09:41
PO #: 968370

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Cadmium	< 0.0100	mg/L		10/01/21 09:48	1	0.0100	10/01/21 15:12	KAM	EPA 6010B
Chromium	< 0.0500	mg/L		10/01/21 09:48	1	0.0500	10/01/21 15:12	KAM	EPA 6010B
Lead	< 0.400	mg/L		10/01/21 09:48	1	0.400	10/01/21 15:12	KAM	EPA 6010B
Selenium	< 0.400	mg/L		10/01/21 09:48	1	0.400	10/01/21 15:12	KAM	EPA 6010B
Silver	< 0.0500	mg/L		10/01/21 09:48	1	0.0500	10/01/21 15:12	KAM	EPA 6010B
<u>Volatile Organics - TCLP - STL</u>									
1,1-Dichloroethene	< 0.050	mg/L		10/01/21 08:43	10	0.050	10/01/21 12:23	LEC	EPA 8260B
1,2-Dichloroethane	< 0.050	mg/L		10/01/21 08:43	10	0.050	10/01/21 12:23	LEC	EPA 8260B
1,4-Dichlorobenzene	< 0.050	mg/L		10/01/21 08:43	10	0.050	10/01/21 12:23	LEC	EPA 8260B
2-Butanone	< 0.10	mg/L		10/01/21 08:43	10	0.10	10/01/21 12:23	LEC	EPA 8260B
Benzene	< 0.050	mg/L		10/01/21 08:43	10	0.050	10/01/21 12:23	LEC	EPA 8260B
Carbon tetrachloride	< 0.050	mg/L		10/01/21 08:43	10	0.050	10/01/21 12:23	LEC	EPA 8260B
Chlorobenzene	< 0.050	mg/L		10/01/21 08:43	10	0.050	10/01/21 12:23	LEC	EPA 8260B
Chloroform	< 0.050	mg/L		10/01/21 08:43	10	0.050	10/01/21 12:23	LEC	EPA 8260B
Tetrachloroethene	< 0.050	mg/L		10/01/21 08:43	10	0.050	10/01/21 12:23	LEC	EPA 8260B
Trichloroethene	< 0.050	mg/L		10/01/21 08:43	10	0.050	10/01/21 12:23	LEC	EPA 8260B
Vinyl chloride	< 0.050	mg/L		10/01/21 08:43	10	0.050	10/01/21 12:23	LEC	EPA 8260B



NOTES

Specifications regarding method revisions and method modifications used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050



Certified by: Erin Lane, Project Manager

SUBCONTRACT ORDER
Transfer Chain of Custody

PDC Laboratories, Inc.
EI05139

H2C-2121
H2C-2-21

SENDING LABORATORY

PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615
(800) 752-6651

RECEIVING LABORATORY

PDC Laboratories, Inc. - Hazelwood
944 Anglum Road
Hazelwood, MO 63042
(314) 432-0550

Sample: EI05139-01
Name: Construction Soil

Sampled: 09/28/21 09:15
Matrix: Solid
Preservative: Cool <6

Analysis	Due	Expires	Comments
04-Ag 6010 TCLP	10/07/21 16:00	03/27/22 09:15	
04-As 6010 TCLP	10/07/21 16:00	03/27/22 09:15	
04-Ba 6010 TCLP	10/07/21 16:00	03/27/22 09:15	
04-Cd 6010 TCLP	10/07/21 16:00	03/27/22 09:15	
04-Cr 6010 TCLP	10/07/21 16:00	03/27/22 09:15	
04-Hg TCLP	10/07/21 16:00	10/26/21 09:15	
04-M8082	10/07/21 16:00	10/12/21 09:15	
04-M8260 TCLP	10/07/21 16:00	10/12/21 09:15	
04-M8270TCLP	10/07/21 16:00	10/12/21 09:15	
04-Pb 6010 TCLP	10/07/21 16:00	03/27/22 09:15	
04-Se 6010 TCLP	10/07/21 16:00	03/27/22 09:15	
04-Solids-TS	10/07/21 16:00	10/05/21 09:15	
04-SW TCLP 1311	10/07/21 16:00	10/26/21 09:15	
04-SW1311-TCLP ORGANICS	10/07/21 16:00	10/12/21 09:15	
04-TCLP_ZHE	10/07/21 16:00	10/12/21 09:15	
06-S2-R	10/07/21 16:00	10/12/21 09:15	

SUBCONTRACT ORDER
Transfer Chain of Custody

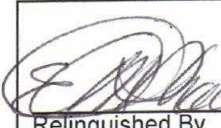
PDC Laboratories, Inc.

EI05139

Please email results to Erin Lane at elane@pdclab.com

Date Shipped: 9/29/21 Total # of Containers: 7 Sample Origin (State): IL PO #: _____

Turn-Around Time Requested ☒ NORMAL ☐ RUSH Date Results Needed: _____

	<u>9/29/21</u>	<u>N. Miller</u>	<u>1105</u> <u>9/30/21</u>	Sample Temperature Upon Receipt	<u>2.8</u> °C
Relinquished By	Date/Time	Received By	Date/Time	Sample(s) Received on Ice	<u>Y</u> or N
				Proper Bottles Received in Good Condition	<u>Y</u> or N
				Bottles Filled with Adequate Volume	<u>Y</u> or N
				Samples Received Within Hold Time	<u>Y</u> or N
				Date/Time Taken From Sample Bottle	<u>Y</u> or <u>N</u>
Relinquished By	Date/Time	Received By	Date/Time		

Waste Profile 113627IL



Requested Facility: Peoria City - County Landfill ☐ Unsure Profile Number: 113627IL
☐ Multiple Generator Locations (Attach Locations) ☐ Request Certificate of Disposal ☒ Renewal? Original Profile Number: 113627IL

A. GENERATOR INFORMATION (MATERIAL ORIGIN)

1. Generator Name: Midwest Generation
2. Generator Site Address: 13082 East Manito Road
(City, State, ZIP) Pekin IL 61554
3. County: Tazewell
4. Contact Name: Rachel Winters
5. Email: rachel.winters@nrg.com
6. Phone: (309) 477-5216 7. Fax: (309) 477-5268
8. Generator EPA ID: ILD000665471 ☐ N/A
9. State ID: 1798010002 ☐ N/A

C. MATERIAL INFORMATION

1. Common Name: Urea Solids
Describe Process(es) Generating Material: ☐ See Attached

Urea is used on site and injected into Boilers at 3-5% concentration. Urea supply concentrate is 50% or less. Spills will evaporate water where Urea crystallizes. Material is swept or vacuumed up.

2. Material Composition and Contaminants: ☐ See Attached

1. Urea Solids	98-100 %
2.	
3.	
4.	

Total comp. must be equal to or greater than 100% ≥100%

3. State Waste Codes: ☐ N/A
4. Color: white
5. Physical State at 70°F: ☒ Solid ☐ Liquid ☐ Other: _____
6. Free Liquid Range Percentage: _____ to _____ ☒ N/A
7. pH: 9.8 to 10 ☐ N/A
8. Strong Odor: ☐ Yes ☒ No Describe: _____
9. Flash Point: ☐ <140°F ☐ 140°–199°F ☒ ≥200° ☐ N/A

E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION

1. Analytical attached ☐ Yes
Please identify applicable samples and/or lab reports:

2. Other information attached (such as MSDS)? ☒ Yes

G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this EZ Profile™ form, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided. Any analytical data attached was derived from a sample that is representative as defined in 40 CFR 261 – Appendix 1 or by using an equivalent method. All changes occurring in the character of the material (i.e., changes in the process or new analytical) will be identified by the Generator and be disclosed to Waste Management prior to providing the material to Waste Management.

☐ I am an Authorized Agent signing on behalf of the Generator, and I have confirmed with the Generator that information contained in this profile, as well as supporting documents provided, are accurate and complete.

Name (Print): Joseph Kotas Date: 11/08/2021
Title: Environmental Specialist
Company: NRG Energy, Inc.

THINK GREEN®**QUESTIONS? CALL 800 963 4776 FOR ASSISTANCE** Revised November 06, 2020 © 2020 WM Intellectual Property Holdings, L.L.C.**B. BILLING INFORMATION**☐ SAME AS GENERATOR

1. Billing Name: Midwest Generation
2. Billing Address: 112 Telly Street
(City, State, ZIP) New Roads LA 70760
3. Contact Name: Paula Wolff
4. Email: invoices@nrg.com
5. Phone: (309) 477-5260 6. Fax: (309) 477-5268
7. WM Hauled? ☒ Yes ☐ No
8. P.O. Number: _____
9. Payment Method: ☐ Credit Account ☐ Cash ☐ Credit Card

D. REGULATORY INFORMATION

1. EPA Hazardous Waste? ☐ Yes* ☒ No
Code: _____
2. State Hazardous Waste? ☐ Yes ☒ No
Code: _____
3. Is this material non-hazardous due to Treatment, Delisting, or an Exclusion? ☐ Yes* ☒ No
4. Contains Underlying Hazardous Constituents? ☐ Yes* ☒ No
5. From an industry regulated under Benzene NESHAP? ☐ Yes* ☒ No
6. Facility remediation subject to 40 CFR 63 GGGGG? ☐ Yes* ☒ No
7. CERCLA or State-mandated clean-up? ☐ Yes* ☒ No
8. NRC or State-regulated radioactive or NORM waste? ☐ Yes* ☒ No
***If Yes, see Addendum (page 2) for additional questions and space.**
9. Contains PCBs? → If Yes, answer a, b and c. ☐ Yes ☒ No
a. Regulated by 40 CFR 761? ☐ Yes ☐ No
b. Remediation under 40 CFR 761.61 (a)? ☐ Yes ☐ No
c. Were PCB imported into the US? ☐ Yes ☐ No
10. Regulated and/or Untreated Medical/Infectious Waste? ☐ Yes ☒ No
11. Contains Asbestos? ☐ Yes ☒ No
→ If Yes: ☐ Non-Friable ☐ Non-Friable – Regulated ☐ Friable

F. SHIPPING AND DOT INFORMATION

1. ☐ One-Time Event ☒ Repeat Event/Ongoing Business
2. Estimated Quantity/Unit of Measure: 400
☐ Tons ☐ Yards ☐ Drums ☐ Gallons ☒ Other: pounds
3. Container Type and Size: 55 gallon drum
4. USDOT Proper Shipping Name: _____ ☐ N/A
NON DOT/NON RCRA regulated (Urea Slurry), Urea slurry

Certification Signature

d8581dcfb0...



**Profile Addendum: State of Illinois
GENERATOR'S NON-SPECIAL WASTE CERTIFICATION**

F. Additional Waste Stream Information

Profile Number: 113627IL

Generators Name: Midwest Generation

Generators SITE Address: 13082 East Manito Road Pekin IL 61554
(The location where the waste is generated)

Waste Name: Urea Solids

The Illinois Environmental Protection Act allows a Generator to certify that their pollution control waste or industrial process waste, is not an Illinois Special Waste (Section 3.45). By completing the following questionnaire, you may certify that the waste stream represented by the Waste Management Profile referenced above is not an Illinois Special Waste as defined in the Act.

Is the waste referenced above any of the following:

- | | | |
|--|------------------------------|--|
| 1. A Potentially Infectious Medical Waste (PIMW)? | ☐ Yes | ☒ No |
| 2. A Hazardous Waste as defined in 40 CFR 261 or in 35 IAC 722.111? | ☐ Yes | ☒ No |
| 3. A Liquid Waste (fails the paint filter test as defined in 35 IAC 811.107)? | ☐ Yes | ☒ No |
| 4. A regulated PCB waste as defined in 40 CFR 761? | ☐ Yes | ☒ No |
| 5. A NESHAP regulated asbestos waste other than waste from renovation or demolition? | ☐ Yes | ☒ No |
| 6. A waste resulting from the shredding recyclable metals (auto fluff)? | ☐ Yes | ☒ No |
| 7. A delisted Hazardous Waste or Treated Characteristic Hazardous Waste, subject to LDR requirements under 35 IAC 728.107? | ☐ Yes | ☒ No |

In determining that this waste is not a liquid, I have used knowledge of the processes generating the waste and the attached supporting documentation: ☒ MSDS ☐ Analytical ☐ Other (explain below):

In determining that this waste is not RCRA hazardous, I have used knowledge of the processes generating the waste and the attached supporting documentation: ☒ MSDS ☐ Analytical ☒ Other (explain below):

General Knowledge

8. Is the waste represented by this profile sheet exempt from Illinois Solid Waste Management Act fee? ☐ Yes ☒ No

Select option: ☒ Pollution Control Waste ☐ Other

By signing below, I certify my waste is NOT an Illinois Special Waste, and that I understand that a person who knowingly and falsely certifies that a waste is not special waste is subject to the penalties set forth in subdivision (6) of subsection (h) of section 44 of the Illinois Environmental Protection Act.

Name: (Print) Joseph Kotas Title: Environmental Specialist

Signature: Joseph Kotas Date: 11/08/2021



SAFETY DATA SHEET

Urea Solution (40-70%)

Section 1. IDENTIFICATION

Product Name: Urea Solution (40-70%)

Synonym(s): Urea Liquor

Intended Use of the Product: Fertilizer, Animal Feed, Nitrogen Solution for SCR NO_x Control Systems

Restrictions on use: Use only as directed

Manufacturer: Iowa Fertilizer Company, LLC

3550 180th St.

Wever, IA 52658

319-376-4500

319-376-4700 (24 hour)

Emergency phone number: 800-424-9300 (Chemtrec)

Section 2. HAZARD(S) IDENTIFICATION

Classification:

Physical	Health	Environmental
Not Hazardous	Not Hazardous	Hazardous to the Aquatic Environment – Acute Hazard Category 3

Label Elements:

Signal Word and Pictogram

None Required

Precautionary Phrases

Avoid release to the environment.

Dispose of contents and container in accordance with local and national regulations.

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Urea	57-13-6	40-70% wt
Water	7732-18-5	Balance
Biuret	108-19-0	≤ 0.4 % wt
Free Ammonia	7664-41-7	≤ 0.3 % wt
Carbon dioxide	124-38-9	≤ 0.2 % wt

Section 4. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If irritation occurs or breathing is difficult, get medical attention.

Skin contact: Wash with soap and water. If irritation develops and persists, get medical attention.

Eye contact: Flush eyes with water while lifting the upper and lower lids. Get medical attention if irritation develops or persists.

Ingestion: Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention.

Most important symptoms/effects, acute and delayed: May cause mild eye irritation. Prolonged skin contact irritation with redness and itching. Inhalation of mists may cause upper respiratory tract irritation. Swallowing large amounts may cause gastric upset.

Indication of immediate medical attention and special treatment, if necessary: Immediate medical attention is not required under normal use conditions.

Section 5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Use media appropriate for the surrounding fire.

Specific hazards arising from the chemical: This product is shipped as a hot material with temperatures up to 160°F. Contact with hot material may cause second degree burns to the skin and eye damage. Urea may decompose at temperatures above 275°F producing ammonia, carbon dioxide and nitric acid.

Special protective equipment and precautions for fire-fighters: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool fire exposure containers with water.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing and equipment, see section 8 of the SDS for further information.

Environmental hazards: Report spill as required by local and federal regulations.

Methods and materials for containment and cleaning up: Collect spilled material with inert material and place into a closable, labeled container for disposal. Wash spill area with water.

Section 7. HANDLING AND STORAGE

Precautions for safe handling: Avoid eye contact and prolonged skin contact. Avoid breathing mists or spray. Use with adequate ventilation. Wash thoroughly after handling.

This product is shipped as a hot liquid with temperatures up to 160°F. Contact with the solution may cause damage to eyes and second degree burns to the skin. Always wear protective gloves, clothing and eye protection when handling hot material.

Conditions for safe storage, including any incompatibilities: Store in a cool, well-ventilated area. Protect storage container from physical damage.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

Urea	10 mg/m ³ TWA AIHA WEEL
Water	None Established
Biuret	None Established
Ammonia	50 ppm TWA OSHA PEL 25 ppm TWA, 35 ppm STEL ACGIH TLV
Carbon dioxide	5000 ppm TWA OSHA PEL 5000 ppm TWA, 30,000 ppm STEL ACGIH TLV

Appropriate engineering controls: If use generates mists, use general ventilation or local exhaust as required to maintain exposures below the occupational exposure limits.

Individual protection measures, such as personal protective equipment:

Respiratory protection: In operations where the occupational exposure limits are exceeded, an approved respirator with dust/mist cartridges or supplied air respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Skin protection: Nitrile, Viton or Butyl gloves are recommended for prolonged skin contact. If the product is hot, wear thermal-insulated gloves to protect from burning skin.

Eye/face protection: Safety glasses are recommended if splashing is possible. If product is hot, wear safety goggles and face shield.

Other: Appropriate protective clothing as needed to minimize skin contact, especially if the product is hot. Suitable washing facilities should be available in the work area.

Ambient Temperatures	Hot Liquid
 	    

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colorless liquid.

Odor: Slight ammonia odor.

Odor threshold: None	pH: 7 - 10 (depending upon free ammonia)
Melting point/freezing point: 33 - 135 °F (0.56 - 57 °C) (50% urea solution salts out at 62 °F; 70% urea solution salts out 135 °F)	Boiling point: 223 °F (106 °C) (50% urea solution boiling point)
Flash point: Not flammable	Evaporation rate: Not available
Flammability (solid, gas): Not applicable	

Flammable limits: LEL: Not applicable	UEL: Not applicable
Vapor pressure: Not available	Vapor Density (air =1): Not available
Relative density: 1.11 (40% urea solution); 1.175 (70% urea solution)	Solubility in Water: 100%
Partition coefficient: n-octanol/water: Not available	Auto-ignition temperature: Not applicable
Decomposition temperature: Not available	Viscosity: Not available

Section 10. STABILITY AND REACTIVITY

Reactivity: Not expected to be reactive.

Chemical stability: Stable.

Possibility of hazardous reactions: None known.

Conditions to avoid: Avoid extremely high or low temperatures.

Incompatible materials: Avoid strong acids, oxidizing agents, or alkalis.

Hazardous decomposition products: Thermal decomposition may produce oxides of carbon, nitrogen, and ammonia.

Section 11. TOXICOLOGICAL INFORMATION

Inhalation: High concentrations of mists may cause nose, throat, and upper respiratory tract irritation. Inhalation of mists from hot liquid may cause severe irritation or burns to the mucous membranes of the nose, mouth and throat.

Ingestion: Swallowing large amounts may cause gastrointestinal irritating and nausea. Swallowing hot liquid may cause burns to the mouth, throat and stomach.

Skin contact: Prolonged skin contact may cause irritation with redness and itching. Contact with hot liquid may cause second degree burns.

Eye contact: May cause eye irritation with redness, tearing and pain. Contact with hot liquid may cause eye damage including blindness.

Chronic effects: None known.

Reproductive Toxicity: None of the components have been shown to cause reproductive or developmental toxicity.

Mutagenicity: None of the components have been shown to cause mutagenic activity.

Carcinogenicity: None of the ingredients are listed as a carcinogen by IARC, NTP or OSHA.

Acute Toxicity Values:

Urea: Oral rat LD50 8471 mg/kg

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity:

Urea: 96 hr LC50 *Leuciscus idus* >6810 mg/L, 24 hr EC50 *daphnia magna* >10000 mg/L

Persistence and degradability: Urea is rapidly hydrolyzed to ammonia and carbon dioxide in environmental systems.

Bioaccumulative potential: The potential for bioconcentration in aquatic organisms is expected to be low.

Mobility in soil: Urea is highly mobile in soil.

Other adverse effects: Harmful to aquatic life.

Section 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations.

Section 14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	None	Not Regulated			
TDG	None	Not Regulated			
IMDG	None	Not Regulated			
IATA	None	Not Regulated			

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable

Special precautions: None known.

STCC Code: 2818146

Section 15. REGULATORY INFORMATION

Safety, health, and environmental regulations specific for the product in question.

CERCLA: This product is not subject to CERCLA reporting requirements, however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Acute Health.

SARA 313 This product does not contain any Chemicals Subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372).

EPA TSCA Inventory: All of the components of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

Canadian CEPA: All of the ingredients are listed on the Canadian Domestic Substances List.

Section 16. OTHER INFORMATION

NFPA Rating: Health = 1

Flammability = 0

Instability = 0

HMIS Rating: Health = 1

Flammability = 0

Physical Hazard = 0

SDS Revision History: Updated "Intended Use of the Product" in Section 1.

Date of preparation: March 26, 2019

Date of last revision: February 09, 2017

NOTICE: The information that Iowa Fertilizer Company, LLC (the “Company”) has presented here was prepared in accordance with governmental regulations, is based upon data the Company believes to be accurate as of the date of this version, applies solely to the specific product designated and may not be accurate if such product is used with any other product. THE COMPANY MAKES NO WARRANTIES OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR COURSE OF PERFORMANCE OR USAGE OF TRADE. The party purchasing, using or applying the product is responsible for determining its suitability for such party’s particular use or purpose, and such party assumes all risks with respect to handling, transferring, transporting, storing, applying or otherwise using the product (“Assumed Risks”), many of which are within the exclusive control of such party. THE COMPANY HEREBY DISCLAIMS ANY AND ALL LIABILITY FOR ANY AND ALL ASSUMED RISKS. Such party is solely responsible for complying with all applicable federal, state and local laws and regulations (collectively, the “Applicable Laws”) governing the handling, transfer, transportation, storage, application and use of the product. Before handling, transferring, transporting, storing, applying or otherwise using the product, such party should thoroughly review all Applicable Laws.



REQUEST FOR DISCUSSION

To: Peoria City/County Landfill Committee Members

From: Joshua Gabehart, Tara Van Hoof

AGENDA DATE REQUESTED: October 27, 2021

ACTION REQUESTED: Request to Approve the FY2022 Landfill Committee Budget

BACKGROUND:

FY2022 Draft Budget

A draft FY2022 budget is attached. The 2020 actual revenues and expenses, 2021 budget, and 2021 year-to-date expenditures are also included for reference. Foth and City staff drafted the projected budget based on historical costs and Waste Management tonnage projections.

On the expense side, operating line items have remained consistent to align with projected income while still aiming to account for the necessary monitoring, reporting, and operating of the PCCL1 post-closure care system based on the needs of the current system and in preparation for activities at PCCL3. Based on the 2021 expenditures for GCCS contingency and unplanned services and repairs, a request is being made to increase the 2022 budgets to \$10,000 and \$20,000, respectively, as maintenance items are expected to continue into the spring of 2022. Landfill No. 1 construction engineering costs were reduced as construction is anticipated to be complete; however, reporting and agency coordination are likely to continue into 2022. Overall budget presented increases by 1.8%.

On the revenue side, waste disposal rates continue to trend downward for tonnage disposed at Landfill No. 2 in 2020 and 2021. Staff and Foth have reviewed waste trends in recent years and consulted with Waste Management and are projecting receipts of 170,000 tons for 2022, which is consistent with 2021 budget. Additionally, other revenue has been taken into account for leases in 2022.

The projected surplus of operating revenue v. expenditures for FY2022 is \$13,600.

Notes:

- Revenue reflects the increased LF2 host fee of \$2.68 but reduced tonnage receipts.
- City and County personnel costs remained the same in 2022.
- FY2022 budget assumes receipt of 170,000 tons in 2022. With leases and other revenue, the total revenue estimate is \$480,350. Total revenues may increase if waste receipts trend higher than estimated.

The ending fund balance and cash on hand balance will differ each month based on the total encumbered bills remaining for the Committee to pay.

FINANCIAL IMPACT: If approved, the FY2022 budget projects a \$13,600 operating surplus for the year.

PCC Landfill 2022 Budget

DESCRIPTION	2020 Actual (Audited)	2021 Budget	2021 Actual Through 9/30/2021	% of Budget	Proposed 2022 Budget
REVENUES					
Host Fees	\$ 429,861.82	\$ 445,400.00 *	\$ 303,305.99	68%	\$ 455,600.00
Leases	\$ 28,967.81	\$ 22,000.00	\$ 11,854.92	54%	\$ 22,250.00
Interest Earned					
On Cash Balance	\$ 3,496.14	\$ 4,000.00	\$ 584.14	15%	\$ 2,500.00
Other Revenues					
TOTAL REVENUES	\$ 462,325.77	\$ 471,400.00	\$ 315,745.05	67%	\$ 480,350.00
EXPENSES					
Municipal Reimbursements					
City Personnel	\$ 76,000.00	\$ 76,000.00	\$ -	0%	\$ 76,000.00
County Personnel	\$ 8,500.00	\$ 8,500.00	\$ 8,500.00	100%	\$ 8,500.00
City Audit	\$ 2,500.00	\$ 2,500.00	\$ -	0%	\$ 2,500.00
Consultant Guidance and Operational Costs (1)					
General Guidance and Compliance Activities	\$ 109,794.58	\$ 110,000.00	\$ 99,458.32	90%	\$ 115,000.00
Groundwater Support/Reporting	\$ 44,692.27	\$ 45,000.00	\$ 46,947.31	104%	\$ 47,000.00
LF #1 Gas System & Leachate Management Ops.	\$ 125,384.61	\$ 115,000.00	\$ 112,098.94	97%	\$ 118,000.00
LF #1 Construction Engineering	\$ 8,026.29	\$ 10,000.00	\$ 18,061.13	181%	\$ 5,000.00
LF #2 to LF #3 Transition Activities	\$ 4,641.39	\$ 15,000.00	\$ 10,821.71	72%	\$ 20,000.00
Contracted/Capital Improvements					
Post Closure Care	\$ -	\$ 15,000.00	\$ -	0%	\$ 5,000.00
Leachate Extraction Improvements	\$ 805.98	\$ 5,000.00	\$ -	0%	\$ 5,000.00
GCCS Improvement Projects	\$ -	\$ 5,000.00	\$ -	0%	\$ 5,000.00
Non Permit Property Maintenance	\$ -	\$ 7,500.00	\$ -	0%	\$ -
Committee's Operational Expenses					
Off-site Leachate Transport & Treatment	\$ 12,028.74	\$ 15,000.00	\$ 4,649.13	31%	\$ 15,250.00
Telephone	\$ 576.84	\$ 500.00	\$ 324.09	65%	\$ 500.00
Electricity	\$ 4,589.84	\$ 6,000.00	\$ 3,809.43	63%	\$ 6,000.00
Unplanned/Contingency					
Groundwater Assessments/Contingency	\$ -	\$ 7,500.00	\$ -		\$ 8,000.00
GCCS Contingency	\$ -	\$ 7,500.00	\$ 11,153.02		\$ 10,000.00
Unplanned Services and Repairs	\$ 9,298.77	\$ 7,500.00	\$ 36,441.26	486%	\$ 20,000.00
Capital Fund Allocation			\$ 218.40		
TOTAL EXPENDITURES	\$ 411,021.47	\$ 458,500.00	\$ 352,482.74	77%	\$ 466,750.00
SURPLUS/(DEFECIT)	\$ 51,304.30	\$ 12,900.00	\$ (36,737.69)		\$ 13,600.00
Unplanned/Contingency					
Corrective Action Capital Improvements					\$ -
Beginning Fund Balance	\$ 431,473.12	\$ 390,991.87	\$ 491,277.42		\$ 454,539.73
Ending Fund Balance	\$ 491,277.42	\$ 403,891.87	\$ 454,539.73		\$ 468,139.73

* 2021 Budget Based off 170,000 tons @ \$2.62/ton

** 2022 Budget Based off 170,000 tons @ \$2.68/ton

(1) Please note actuals include carry-over from 2020 invoices due to City of Peoria processing delays



REQUEST FOR DISCUSSION

To: Peoria City/County Landfill Committee Members

From: Rick Powers, Public Works Director

AGENDA DATE REQUESTED: December 8, 2021

ACTION REQUESTED: RECEIVE AND FILE MONTHLY FINANCIAL REPORT

BACKGROUND: Attached is the unaudited revenue and expense financial report for financial transactions occurring January 2021 through November 2021. The report includes prior year actual and current year budget for comparability.

The attached cash flow statement is provided by the City of Peoria's Finance Department for the month ending November 2021. November 2021 revenues and expenses are from the City of Peoria's financial accounting system.

12/03/2021
 14:43:06

 City of Peoria, IL
 PCCL EXPENSE REPORT

 PAGE 1
 glflxrpt

FROM 2021 10 TO 2021 11

	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	ACTUALS	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
6020000 SOLID WASTE							
580101 OPTR - GENERAL							
6020000 580101 OPT - GEN	76,000	0	76,000	76,000.00	.00	.00	100.0%
6021001 SWST - GENERAL GOVT							
503122 AUDITORS/ACTUARIES							
6021001 503122 AUDITORS	2,500	0	2,500	2,500.00	.00	.00	100.0%
503410 TELEPHONE / CELL PHONE							
6021001 503410 TELE CELL	1,000	0	1,000	36.01	.00	963.99	3.6%
513648 LANDFILL							
6021001 513648 LANDFILL	335,500	0	335,500	87,349.74	10,129.79	238,020.47	29.1%
523648 LANDFILL							
6021001 523648 M2003 LANDFILL	0	0	0	791.00	.00	-791.00	.0%
GRAND TOTAL	415,000	0	415,000	166,676.75	10,129.79	238,193.46	42.6%

12/03/2021
 14:43:07

City of Peoria, IL
 PCCL EXPENSE REPORT

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REPORT OPTIONS

	Field #	Total	Page Break	
Sequence 1	9	N	N	From Yr/Per: 2021/10
Sequence 2	11	N	N	To Yr/Per: 2021/11
Sequence 3	0	N	N	Budget Year: 2021
Sequence 4	0	N	N	Print totals only: N
				Format type: 1
				Double space: N
Report title:				Suppress zero bal accts: Y
PCCL EXPENSE REPORT				Amounts/totals exceed 999 million dollars: N
				Roll projects to object: N
				Print journal detail: N
Includes accounts exceeding 0% of budget.				From Yr/Per: 2020/ 1
Print Full or Short description: S				To Yr/Per: 2020/12
Print full GL account: N				Include budget entries: Y
Sort by full GL account: N				Incl encumb/liq entries: Y
Print Revenues-Version headings: N				Sort by JE # or PO #: J
Print revenue as credit: Y				Detail format option: 1
Print revenue budgets as zero: N				Multiyear view: D
				Budget From Yr/Per: /
				To Yr/Per: /
Include biennium-to-date actuals/encumbrances: N				

12/03/2021
 14:41:58

 City of Peoria, IL
 PCCL REVENUE REPORT

 PAGE 1
 glflxrpt

FROM 2021 10 TO 2021 11

	ORIGINAL ESTIM REV	ESTIM REV ADJSTMTS	REVISED EST REV	ACTUAL REVENUE	REMAINING REVENUE	PCT COLL
6020000 SOLID WASTE						
474010 INTEREST - CASH/INVEST						
6020000 474010 INT - CASH	0	0	0	-61.46	61.46	.0%
6021001 SWST - GENERAL GOVT						
451090 FEES - OTHER						
6021001 451090 FEES	-415,000	0	-415,000	-77,549.00	-337,451.00	18.7%
GRAND TOTAL	-415,000	0	-415,000	-77,610.46	-337,389.54	18.7%

12/03/2021
 14:41:59

City of Peoria, IL
 PCCL REVENUE REPORT

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 glflxrpt

REPORT OPTIONS

Sequence	Field #	Total	Page Break	
Sequence 1	9	N	N	From Yr/Per: 2021/10
Sequence 2	11	N	N	To Yr/Per: 2021/11
Sequence 3	0	N	N	Budget Year: 2021
Sequence 4	0	N	N	Print totals only: N
				Format type: 1
				Double space: N
				Suppress zero bal accts: Y
				Amounts/totals exceed 999 million dollars: N
				Roll projects to object: N
				Print journal detail: N
				From Yr/Per: 2020/ 1
				To Yr/Per: 2020/12
				Include budget entries: Y
				Incl encumb/liq entries: Y
				Sort by JE # or PO #: J
				Detail format option: 1
				Multiyear view: D
				Budget From Yr/Per: /
				To Yr/Per: /

Report title:
 PCCL REVENUE REPORT

Includes accounts exceeding 0% of budget.
 Print Full or Short description: S
 Print full GL account: N
 Sort by full GL account: N
 Print Revenues-Version headings: Y
 Print revenue as credit: Y
 Print revenue budgets as zero: N

Include biennium-to-date actuals/encumbrances: N

**Peoria City/County Landfill
Cash Flow Statement - Cash Basis
November 30, 2021**

Beginning Balance November 1, 2020 \$ 454,720.45

Plus Deposits:

11/3/2021	SBA Towers II LLC	\$ 1,041.71	
11/8/2021	Waste Management - Host Fee	\$ 36,119.14	
11/30/2021	Interest (Not posted as of 12/2/21)		
			\$ 37,160.85

Less Electronic Debits & A/P Checks

11/19/2021	City of Peoria Administrative Fee	\$ 76,000.00	
11/19/2021	City of Peoria Audit Fees	\$ 2,500.00	
11/19/2021	Armature Motor - Emergency Repair	\$ 14,139.55	
11/19/2021	Foth Infrastructure and Environmental	\$ 35,407.95	
11/19/2021	Ameren Illinois	\$ 309.33	
11/19/2021	PDC Services Inc	\$ 770.42	
11/19/2021	Millennia Professional Services	\$ 791.00	
			\$ 129,918.25

Ending Cash Balance November 30, 2021 \$ 361,963.05

**Peoria City/County Landfill
Cash Flow Statement -Cash Basis
October 31, 2021**

Beginning Balance October 1, 2021	\$ 451,029.34
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Plus Deposits:

10/15/2021	Waste Management - Host Fee	\$ 39,346.44	
10/15/2021	SBA Towers II LLC	\$ 1,041.71	
10/31/2021	Interest	\$ 61.46	
			\$ 40,449.61

Less Electronic Debits & A/P Checks

10/15/2021	Foth Infrastructure and Environmental	\$ 36,559.82	
10/29/2021	Ameren Illinois	\$ 162.67	
10/29/2021	Verizon Wireless	\$ 36.01	
			\$ 36,758.50

Ending Cash Balance October 31, 2021	<u><u>\$ 454,720.45</u></u>
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LANDFILL FUND MONTHLY - REVENUE & EXPENSE BUDGET VS ACTUAL

FOR YEARS ENDING DECEMBER 31, 2020 & 2021

DESCRIPTION	JANUARY			FEBRUARY			MARCH			APRIL	
	2020 Actual	2021 Budget	2021 Actual	2020 Actual	2021 Budget	2021 Actual	2020 Actual	2021 Budget	2021 Actual	2020 Actual	2021 Budget
REVENUES											
Host Fees (\$2.49/Ton)	\$ 35,649.60	\$ 37,116.67	\$ 31,898.72	\$ 33,161.53	\$ 37,116.67	\$ 24,740.45	\$ 25,315.07	\$ 37,116.67	\$ 22,625.70	\$ 30,399.21	\$ 37,116.67
Leases	\$ 1,042.80	\$ 1,833.33	\$ -	\$ 2,002.50	\$ 1,833.33	\$ 2,042.56	\$ 1,001.25	\$ 1,833.33	\$ -	\$ 1,001.25	\$ 1,833.33
Interest Earned											
On Cash Balance	\$ 713.69	\$ 333.33	\$ 76.46	\$ 566.03	\$ 333.33	\$ 63.74	\$ 576.67	\$ 333.33	\$ 64.58	\$ 345.14	\$ 333.33
Other Revenues (Altorfer Scrap Recovery)											
TOTAL REVENUES	\$ 37,406.09	\$ 39,283.33	\$ 31,975.18	\$ 35,730.06	\$ 39,283.33	\$ 26,846.75	\$ 26,892.99	\$ 39,283.33	\$ 22,690.28	\$ 31,745.60	\$ 39,283.33
EXPENSES											
Municipal Reimbursements											
City Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
County Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
City Audit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Consultant Guidance and Operational Costs											
General Guidance & Compliance (Clean Air Act Permit Rpt)	\$ -	\$ 9,166.67	\$ -	\$ 13,395.46	\$ 9,166.67	\$ -	\$ 8,815.42	\$ 9,166.67	\$ 12,344.72	\$ -	\$ 9,166.67
Groundwater Support/Reporting	\$ -	\$ 3,750.00	\$ -	\$ 13,516.18	\$ 3,750.00	\$ -	\$ 6,333.79	\$ 3,750.00	\$ 8,713.80	\$ -	\$ 3,750.00
LF#1 Gas System & Leache Management Ops.	\$ -	\$ 9,583.33	\$ -	\$ 12,240.22	\$ 9,583.33	\$ -	\$ 5,772.42	\$ 9,583.33	\$ 8,834.34	\$ -	\$ 9,583.33
LF#1 Construction Engineering	\$ -	\$ 833.33	\$ -	\$ -	\$ 833.33	\$ -	\$ 1,792.20	\$ 833.33	\$ 4,339.29	\$ -	\$ 833.33
LF #2 to LF #3 Transition Activities	\$ -	\$ 1,250.00	\$ -	\$ 955.33	\$ 1,250.00	\$ -	\$ 113.75	\$ 1,250.00	\$ 3,689.46	\$ -	\$ 1,250.00
Liquids & Gas Replacement Materials	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Offsite Liquids Disposal	\$ -	\$ -	\$ -	\$ 1,763.88	\$ -	\$ -	\$ 432.88	\$ -	\$ -	\$ -	\$ -
Professional Personnel											
Contracted/Capital Improvements											
Post Closure Care	\$ -	\$ 1,250.00	\$ -	\$ -	\$ 1,250.00	\$ -	\$ -	\$ 1,250.00	\$ -	\$ -	\$ 1,250.00
Leachate Extraction Improvements	\$ -	\$ 416.67	\$ -	\$ -	\$ 416.67	\$ -	\$ -	\$ 416.67	\$ -	\$ -	\$ 416.67
GCCS Improvement Projects	\$ -	\$ 416.67	\$ -	\$ -	\$ 416.67	\$ -	\$ -	\$ 416.67	\$ -	\$ -	\$ 416.67
Non Permit Property Maintenance	\$ -	\$ 625.00	\$ -	\$ -	\$ 625.00	\$ -	\$ -	\$ 625.00	\$ -	\$ -	\$ 625.00
Committee's Operational Expenses											
Off-Site Liquids Disposal(Transport & Leachate Treatment (PDC/GPSPD	\$ -	\$ 1,250.00	\$ -	\$ -	\$ 1,250.00	\$ -	\$ 2,020.83	\$ 1,250.00	\$ 733.78	\$ 614.26	\$ 1,250.00
Telephone	\$ -	\$ 41.67	\$ -	\$ -	\$ 41.67	\$ -	\$ -	\$ 41.67	\$ 36.01	\$ 216.40	\$ 41.67
Electricity	\$ -	\$ 500.00	\$ -	\$ -	\$ 500.00	\$ 414.15	\$ -	\$ 500.00	\$ 642.04	\$ 667.22	\$ 500.00
Unplanned/Contingency											
Groundwater Assessments/Contingency	\$ -	\$ 625.00	\$ -	\$ -	\$ 625.00	\$ -	\$ -	\$ 625.00	\$ -	\$ -	\$ 625.00
GCCS Contingency	\$ -	\$ 625.00	\$ -	\$ -	\$ 625.00	\$ -	\$ -	\$ 625.00	\$ 5,839.60	\$ -	\$ 625.00
Unplanned Services and Repairs	\$ -	\$ 625.00	\$ -	\$ 60.45	\$ 625.00	\$ -	\$ 924.14	\$ 625.00	\$ 4,039.33	\$ 2,188.80	\$ 625.00
Capital Fund Allocation (where should remediation project go?)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL EXPENSES	\$ -	\$ 30,958.33	\$ -	\$ 41,931.52	\$ 30,958.33	\$ 414.15	\$ 26,205.43	\$ 30,958.33	\$ 49,212.37	\$ 3,686.68	\$ 30,958.33
Excess Revenues over Expenses	\$ 37,406.09	\$ 8,325.00	\$ 31,975.18	\$ (6,201.46)	\$ 8,325.00	\$ 26,432.60	\$ 687.56	\$ 8,325.00	\$ (26,522.09)	\$ 28,058.92	\$ 8,325.00
BEGINNING BALANCE	\$ 370,976.32	\$ 240,991.87	\$ 399,984.02	\$ 408,382.41	\$ 399,316.87	\$ 431,959.20	\$ 402,180.95	\$ 407,641.87	\$ 458,391.80	\$ 402,868.51	\$ 415,966.87
<i>Capital Fund Balance (encumbered balance \$150,000 Project)</i>		<i>150,000.00</i>									
ENDING BALANCE	\$ 408,382.41	\$ 399,316.87	\$ 431,959.20	\$ 402,180.95	\$ 407,641.87	\$ 458,391.80	\$ 402,868.51	\$ 415,966.87	\$ 431,869.71	\$ 430,927.43	\$ 424,291.87

LANDFILL FUND MONTHLY - REVENUE & EXPENSE BUDGET

FOR YEARS ENDING DECEMBER 31, 2020 & 2021

DESCRIPTION	MAY				JUNE			JULY			2020 Actual
	2021 Actual	2020 Actual	2021 Budget	2021 Actual	2020 Actual	2021 Budget	2021 Actual	2020 Actual	2021 Budget	2021 Actual	
REVENUES											
Host Fees (\$2.49/Ton)	\$ 36,700.25	\$ 33,891.77	\$ 37,116.67	\$ 38,106.05	\$ 35,504.85	\$ 37,116.67	\$ 35,430.28	\$ 37,723.68	\$ 37,116.67	\$ 39,044.97	\$ 42,764.47
Leases	\$ 2,042.56	\$ 1,021.28	\$ 1,833.33	\$ -	\$ 8,948.52	\$ 1,833.33	\$ 1,041.71	\$ 2,399.71	\$ 1,833.33	\$ 4,862.16	\$ (357.15)
Interest Earned											
On Cash Balance	\$ 56.78	\$ 452.79	\$ 333.33	\$ 61.41	\$ 261.65	\$ 333.33	\$ 57.19	\$ 183.33	\$ 333.33	\$ 61.06	\$ 114.84
Other Revenues (Altorfer Scrap Recovery)											
TOTAL REVENUES	\$ 38,799.59	\$ 35,365.84	\$ 39,283.33	\$ 38,167.46	\$ 44,715.02	\$ 39,283.33	\$ 36,529.18	\$ 40,306.72	\$ 39,283.33	\$ 43,968.19	\$ 42,522.16
EXPENSES											
Municipal Reimbursements											
City Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
County Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,500.00	\$ -	\$ -	\$ -	\$ -
City Audit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Consultant Guidance and Operational Costs											
General Guidance & Compliance (Clean Air Act Permit Rpt)	\$ 6,096.57	\$ 7,837.79	\$ 9,166.67	\$ -	\$ -	\$ 9,166.67	\$ -	\$ 23,672.11	\$ 9,166.67	\$ 34,245.10	\$ 7,375.99
Groundwater Support/Reporting	\$ 5,987.63	\$ 2,054.85	\$ 3,750.00	\$ -	\$ -	\$ 3,750.00	\$ -	\$ 7,907.22	\$ 3,750.00	\$ 12,400.10	\$ 4,372.35
LF#1 Gas System & Leache Management Ops.	\$ 8,053.81	\$ 12,147.27	\$ 9,583.33	\$ -	\$ -	\$ 9,583.33	\$ -	\$ 19,880.79	\$ 9,583.33	\$ 25,498.80	\$ 12,070.04
LF#1 Construction Engineering	\$ 6,943.64	\$ 1,941.55	\$ 833.33	\$ -	\$ -	\$ 833.33	\$ -	\$ 1,380.20	\$ 833.33	\$ 1,892.01	\$ 821.43
LF #2 to LF #3 Transition Activities	\$ 373.38	\$ 448.05	\$ 1,250.00	\$ -	\$ -	\$ 1,250.00	\$ -	\$ 149.35	\$ 1,250.00	\$ 4,614.41	\$ 483.94
Liquids & Gas Replacement Materials	\$ -	\$ 412.23	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Offsite Liquids Disposal	\$ -	\$ 816.28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,861.27	\$ -	\$ -	\$ 880.65
Professional Personnel											
Contracted/Capital Improvements											
Post Closure Care	\$ -	\$ -	\$ 1,250.00	\$ -	\$ -	\$ 1,250.00	\$ -	\$ -	\$ 1,250.00	\$ -	\$ -
Leachate Extraction Improvements	\$ -	\$ -	\$ 416.67	\$ -	\$ -	\$ 416.67	\$ -	\$ -	\$ 416.67	\$ -	\$ 133.90
GCCS Improvement Projects	\$ -	\$ -	\$ 416.67	\$ -	\$ -	\$ 416.67	\$ -	\$ -	\$ 416.67	\$ -	\$ -
Non Permit Property Maintenance			\$ 625.00	\$ -		\$ 625.00			\$ 625.00		
Committee's Operational Expenses											
Off-Site Liquids Disposal(Transport & Leachate Treatment (PDC/GPSD	\$ 139.32	\$ 2,113.71	\$ 1,250.00	\$ -	\$ 78.67	\$ 1,250.00	\$ 45.69	\$ 3,043.04	\$ 1,250.00	\$ 2,270.74	\$ -
Telephone	\$ 36.01	\$ 36.01	\$ 41.67	\$ 144.04	\$ -	\$ 41.67		\$ 36.35	\$ 41.67	\$ 36.01	\$ 72.02
Electricity		\$ 351.43	\$ 500.00	\$ 675.59	\$ 384.34	\$ 500.00		\$ 773.97	\$ 500.00	\$ 354.82	\$ -
Unplanned/Contingency											
Groundwater Assessments/Contingency		\$ -	\$ 625.00		\$ -	\$ 625.00	\$ -	\$ -	\$ 625.00	\$ -	\$ -
GCCS Contingency	\$ 5,313.42	\$ -	\$ 625.00		\$ -	\$ 625.00	\$ -	\$ -	\$ 625.00	\$ -	\$ -
Unplanned Services and Repairs		\$ 2,782.00	\$ 625.00	\$ 6,050.00	\$ -	\$ 625.00	\$ -	\$ -	\$ 625.00	\$ 3,452.56	
Capital Fund Allocation (where should remediation project go?)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,502.71	\$ -	\$ -	\$ -	\$ -
TOTAL EXPENSES	\$ 32,943.78	\$ 30,941.17	\$ 30,958.33	\$ 6,869.63	\$ 463.01	\$ 30,958.33	\$ 25,048.40	\$ 58,704.30	\$ 30,958.33	\$ 84,764.55	\$ 26,210.32
Excess Revenues over Expenses	\$ 5,855.81	\$ 4,424.67	\$ 8,325.00	\$ 31,297.83	\$ 44,252.01	\$ 8,325.00	\$ 11,480.78	\$ (18,397.58)	\$ 8,325.00	\$ (40,796.36)	\$ 16,311.84
BEGINNING BALANCE	\$ 431,869.71	\$ 430,927.43	\$ 424,291.87	\$ 437,725.52	\$ 435,352.10	\$ 432,616.87	\$ 469,023.35	\$ 479,604.11	\$ 440,941.87	\$ 480,504.13	\$ 461,206.53
<i>Capital Fund Balance (encumbered balance \$150,000 Project)</i>											
ENDING BALANCE	\$ 437,725.52	\$ 435,352.10	\$ 432,616.87	\$ 469,023.35	\$ 479,604.11	\$ 440,941.87	\$ 480,504.13	\$ 461,206.53	\$ 449,266.87	\$ 439,707.77	\$ 477,518.37

LANDFILL FUND MONTHLY - REVENUE & EXPENSE BUDGET

FOR YEARS ENDING DECEMBER 31, 2020 & 2021

DESCRIPTION	AUGUST		SEPTEMBER			OCTOBER			NOVEMBER	
	2021 Budget	2021 Actual	2020 Actual	2021 Budget	2021 Actual	2020 Actual	2021 Budget	2021 Actual	2020 Actual	2021 Budget
REVENUES										
Host Fees (\$2.49/Ton)	\$ 37,116.67	\$ 36,672.61	\$ 40,153.35	\$ 37,116.67	\$ 38,086.95	\$ 40,525.70	\$ 37,116.67	\$ 38,304.73	\$ 39,031.93	\$ 37,116.67
Leases	\$ 1,833.33	\$ 1,865.93	\$ 4,846.29	\$ 1,833.33	\$ -	\$ (942.45)	\$ 1,833.33	\$ 2,083.42	\$ 2,841.92	\$ 1,833.33
Interest Earned										
On Cash Balance	\$ 333.33	\$ 72.02	\$ 80.91	\$ 333.33	\$ 70.90	\$ 69.80	\$ 333.33	\$ 61.46	\$ 62.65	\$ 333.33
Other Revenues (Altorfer Scrap Recovery)										
TOTAL REVENUES	\$ 39,283.33	\$ 38,610.56	\$ 45,080.55	\$ 39,283.33	\$ 38,157.85	\$ 39,653.05	\$ 39,283.33	\$ 40,449.61	\$ 41,936.50	\$ 39,283.33
EXPENSES										
Municipal Reimbursements										
City Personnel	\$ -	\$ -	\$ 76,000.00	\$ -		\$ -	\$ 76,000.00	\$ -	\$ -	\$ -
County Personnel	\$ -	\$ -	\$ -	\$ -		\$ -	\$ 8,500.00	\$ -	\$ -	\$ -
City Audit	\$ -	\$ -	\$ 2,500.00	\$ -		\$ -	\$ 2,500.00	\$ -	\$ -	\$ -
Consultant Guidance and Operational Costs										
General Guidance & Compliance (Clean Air Act Permit Rpt)	\$ 9,166.67	\$ 19,634.02	\$ 12,739.56	\$ 9,166.67	\$ 6,149.62	\$ 18,535.37	\$ 9,166.67	\$ 11,818.12	\$ -	\$ 9,166.67
Groundwater Support/Reporting	\$ 3,750.00	\$ 5,022.31	\$ 3,321.04	\$ 3,750.00	\$ 1,390.70	\$ 2,291.75	\$ 3,750.00	\$ 2,441.90	\$ -	\$ 3,750.00
LF#1 Gas System & Leache Management Ops.	\$ 9,583.33	\$ 23,688.05	\$ 8,022.26	\$ 9,583.33	\$ 4,576.49	\$ 17,952.55	\$ 9,583.33	\$ 8,275.52	\$ -	\$ 9,583.33
LF#1 Construction Engineering	\$ 833.33	\$ 406.85	\$ 1,269.48	\$ 833.33	\$ 509.13	\$ 821.43	\$ 833.33	\$ 6,348.81	\$ -	\$ 833.33
LF #2 to LF #3 Transition Activities	\$ 1,250.00	\$ 650.96	\$ 224.03	\$ 1,250.00		\$ 896.11	\$ 1,250.00	\$ 456.81	\$ -	\$ 1,250.00
Liquids & Gas Replacement Materials	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
Offsite Liquids Disposal	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
Professional Personnel										
Contracted/Capital Improvements										
Post Closure Care	\$ 1,250.00	\$ -		\$ 1,250.00			\$ 1,250.00		\$ -	\$ 1,250.00
Leachate Extraction Improvements	\$ 416.67	\$ -		\$ 416.67			\$ 416.67		\$ -	\$ 416.67
GCCS Improvement Projects	\$ 416.67	\$ -		\$ 416.67			\$ 416.67		\$ -	\$ 416.67
Non Permit Property Maintenance	\$ 625.00	\$ -		\$ 625.00			\$ 625.00			\$ 625.00
Committee's Operational Expenses										
Off-Site Liquids Disposal(Transport & Leachate Treatment (PDC/GPSD	\$ 1,250.00	\$ 876.93	\$ 1,666.44	\$ 1,250.00		\$ 842.75	\$ 1,250.00		\$ 608.04	\$ 1,250.00
Telephone	\$ 41.67	\$ -		\$ 41.67	\$ 36.01	\$ 72.02	\$ 41.67	\$ 36.01	\$ -	\$ 41.67
Electricity	\$ 500.00	\$ 488.36	\$ 528.40	\$ 500.00	\$ 868.41	\$ 801.70	\$ 500.00	\$ 162.67	\$ 463.11	\$ 500.00
Unplanned/Contingency										
Groundwater Assessments/Contingency	\$ 625.00			\$ 625.00			\$ 625.00		\$ -	\$ 625.00
GCCS Contingency	\$ 625.00			\$ 625.00			\$ 625.00		\$ -	\$ 625.00
Unplanned Services and Repairs	\$ 625.00	\$ 1,149.00		\$ 625.00			\$ 625.00	\$ 7,218.66	\$ -	\$ 625.00
Capital Fund Allocation (where should remediation project go?)	\$ -		\$ -	\$ -		\$ -	\$ -		\$ -	\$ -
TOTAL EXPENSES	\$ 30,958.33	\$ 51,916.48	\$ 106,271.21	\$ 30,958.33	\$ 13,530.36	\$ 42,213.68	\$ 117,958.33	\$ 36,758.50	\$ 1,071.15	\$ 30,958.33
Excess Revenues over Expenses	\$ 8,325.00	\$ (13,305.92)	\$ (61,190.66)	\$ 8,325.00	\$ 24,627.49	\$ (2,560.63)	\$ (78,675.00)	\$ 3,691.11	\$ 40,865.35	\$ 8,325.00
BEGINNING BALANCE	\$ 449,266.87	\$ 439,707.77	\$ 477,518.37	\$ 457,591.87	\$ 426,401.85	\$ 416,327.71	\$ 465,916.87	\$ 451,029.34	\$ 413,767.08	\$ 387,241.87
<i>Capital Fund Balance (encumbered balance \$150,000 Project)</i>										
ENDING BALANCE	\$ 457,591.87	\$ 426,401.85	\$ 416,327.71	\$ 465,916.87	\$ 451,029.34	\$ 413,767.08	\$ 387,241.87	\$ 454,720.45	\$ 454,632.43	\$ 395,566.87

LANDFILL FUND MONTHLY - REVENUE & EXPENSE BUDGET

FOR YEARS ENDING DECEMBER 31, 2020 & 2021

DESCRIPTION	2021 Actual	2020 Actual	DECEMBER 2021 Budget	2021 Actual	FY2020 ACTUAL	FY2021 BUDGET	FY2021 YTD ACTUAL
REVENUES							
Host Fees (\$2.49/Ton)	\$ 36,119.14	\$ 35,699.11	\$ 37,116.67		\$ 429,820.27	\$ 445,400.00	\$ 377,729.85
Leases	\$ 1,041.71	\$ 1,021.28	\$ 1,833.33		\$ 24,827.20	\$ 22,000.00	\$ 14,980.05
Interest Earned							
On Cash Balance		\$ 68.64	\$ 333.33		\$ 3,496.14	\$ 4,000.00	\$ 645.60
Other Revenues (Altorfer Scrap Recovery)					\$ -	\$ -	\$ -
TOTAL REVENUES	\$ 37,160.85	\$ 36,789.03	\$ 39,283.33	\$ -	\$ 458,143.61	\$ 471,400.00	\$ 393,355.50
EXPENSES							
Municipal Reimbursements							
City Personnel	\$ 76,000.00	\$ -	\$ -	\$ -	\$ 76,000.00	\$ 76,000.00	\$ 76,000.00
County Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,500.00	\$ 8,500.00
City Audit	\$ 2,500.00	\$ -	\$ -	\$ -	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00
Consultant Guidance and Operational Costs							
General Guidance & Compliance (Clean Air Act Permit Rpt)	\$ 13,933.02	\$ 24,498.67	\$ 9,166.67	\$ -	\$ 116,870.37	\$ 110,000.00	\$ 104,221.17
Groundwater Support/Reporting	\$ 2,952.38	\$ 13,432.77	\$ 3,750.00	\$ -	\$ 53,229.95	\$ 45,000.00	\$ 38,908.82
LF#1 Gas System & Leache Management Ops.	\$ 7,015.53	\$ 41,447.45	\$ 9,583.33	\$ -	\$ 129,533.00	\$ 115,000.00	\$ 85,942.54
LF#1 Construction Engineering	\$ 8,353.40	\$ 3,970.21	\$ 833.33	\$ -	\$ 11,996.50	\$ 10,000.00	\$ 28,793.13
LF #2 to LF #3 Transition Activities	\$ 325.48	\$ 1,344.15	\$ 1,250.00	\$ -	\$ 4,614.71	\$ 15,000.00	\$ 10,110.50
Liquids & Gas Replacement Materials	\$ -	\$ -	\$ -	\$ -	\$ 412.23	\$ -	\$ -
Offsite Liquids Disposal	\$ -	\$ -	\$ -	\$ -	\$ 5,754.96	\$ -	\$ -
Professional Personnel		\$ 1,570.78			\$ 1,570.78	\$ -	\$ -
Contracted/Capital Improvements							
Post Closure Care	\$ -	\$ -	\$ 1,250.00		\$ -	\$ 15,000.00	\$ -
Leachate Extraction Improvements	\$ -	\$ -	\$ 416.67		\$ 133.90	\$ 5,000.00	\$ -
GCCS Improvement Projects	\$ -	\$ -	\$ 416.67		\$ -	\$ 5,000.00	\$ -
Non Permit Property Maintenance		\$ -	\$ 625.00		\$ -	\$ 7,500.00	\$ -
Committee's Operational Expenses							
Off-Site Liquids Disposal(Transport & Leachate Treatment (PDC/GPSD	\$ 770.42	\$ 582.67	\$ 1,250.00	\$ 68.65	\$ 11,570.41	\$ 15,000.00	\$ 4,905.53
Telephone		\$ 180.05	\$ 41.67		\$ 612.85	\$ 500.00	\$ 324.09
Electricity	\$ 309.33	\$ 366.06	\$ 500.00		\$ 4,336.23	\$ 6,000.00	\$ 3,915.37
Unplanned/Contingency							
Groundwater Assessments/Contingency	\$ -		\$ 625.00	\$ -	\$ -	\$ 7,500.00	\$ -
GCCS Contingency	\$ 14,139.55		\$ 625.00	\$ -	\$ -	\$ 7,500.00	\$ 25,292.57
Unplanned Services and Repairs	\$ 2,828.14	\$ 4,044.63	\$ 625.00	\$ -	\$ 10,000.02	\$ 7,500.00	\$ 24,737.69
Capital Fund Allocation (where should remediation project go?)	\$ 791.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,293.71
TOTAL EXPENSES	\$ 129,918.25	\$ 91,437.44	\$ 30,958.33	\$ 68.65	\$ 429,135.91	\$ 458,500.00	\$ 431,445.12
Excess Revenues over Expenses	\$ (92,757.40)	\$ (54,648.41)	\$ 8,325.00	\$ (68.65)	\$ 29,007.70	\$ 12,900.00	\$ (38,089.62)
BEGINNING BALANCE	\$ 454,720.45	\$ 454,632.43	\$ 395,566.87	\$ 361,963.05	\$ 370,976.32	\$ 240,991.87	\$ 399,984.02
<i>Capital Fund Balance (encumbered balance \$150,000 Project)</i>					\$ -	\$ 150,000.00	\$ -
ENDING BALANCE	\$ 361,963.05	\$ 399,984.02	\$ 403,891.87	\$ 361,894.40	\$ 399,984.02	\$ 403,891.87	\$ 361,894.40



REQUEST FOR DISCUSSION

To: Peoria City/County Landfill Committee Members

From: Mike Wiersema & Ian Johnson, Waste Management

AGENDA DATE REQUESTED: December 8, 2021

ACTION REQUESTED: Receive and File Monthly Reports

BACKGROUND: Attached are the monthly activity reports for November 2021.

1. All weekly random load checks were completed and documented with no issues to report.
2. To allow sufficient time to respond to short-term submittal requirements that may arise prior to the next Landfill Committee meeting, we respectfully request authorization for the Committee chairperson to sign such documents, subject to review and approval in advance by Foth.

FINANCIAL IMPACT: NA

Peoria City/County Landfill No. 2
Waste Management of Illinois, Inc.
Monthly Activity Report
November 2021

		Current		Landfill #2	Landfill #2
		Month		Year to Date	Year to Date
				2021	2020
Tonnage:	General Refuse				
	Haulers	13,005.40		144,213.72	146,885.59
	County Res. Free Loads	186.11		2,450.02	2,334.57
	County Res. \$5 Loads	0.46		7.97	16.77
	Roadside	2.90		17.66	34.56
	T O T A L	13,194.87		146,689.37	149,271.49
	Special Wastes				
	Industrial (Declassified)	546.32		2,121.93	7,697.61
	Industrial (Exempt)	0.00		0.00	0.00
	T O T A L	546.32		2,121.93	7,697.61
TOTAL LANDFILL RECEIPTS		13,741.19		148,811.30	156,969.10
Yard Waste Receipts					
City Contract -		0.00		0.00	0.00
All Other		0.00		0.00	0.00
T O T A L		0.00		0.00	0.00
Payments:	Payable to City/County Committee				
	General Refuse	Tons 13,005.40			
		Rate \$ 2.61			
		\$33,944.09	\$33,944.09	\$376,397.81	\$374,558.25
	Special Waste - Ind.	Tons 546.32			
		Rate \$ 2.61			
		\$1,425.90	\$1,425.90	\$5,538.24	\$19,628.91
	T O T A L		\$35,369.99	\$381,936.05	\$394,187.16
	Payable to County				
	General Refuse	Tons 13,005.40			
	Rate \$ 1.27				
	\$16,516.86	\$16,516.86	\$183,151.42	\$186,544.70	
Special Waste - Ind.	Tons 546.32				
	Rate \$ 1.27				
	\$693.83	\$693.83	\$2,694.85	\$9,775.96	
T O T A L		\$17,210.68	\$185,846.28	\$196,320.66	
Payable to/Receivable From County					
\$5 Loads		Loads 3.00			
		Rate \$ 5.00			
		\$15.00	\$15.00	\$215.00	\$435.00
Less:					
State Fee on Free and \$5 Loads		Tons 186.57			
		Rate \$ 2.22			
		(\$414.19)	(\$414.19)	(\$5,456.74)	(\$5,219.97)
T O T A L			(\$399.19)	(\$5,241.74)	(\$4,784.97)
Tonnage:	General Refuse & Special Waste				
	In county	8,216.42	59.79%	87,015.92	93,788.84
	Out of county	5,524.77	40.21%	61,795.38	63,180.26
	Mixed	-	0.00%	-	-
	T O T A L	13,741.19	100.00%	148,811.30	156,969.10