

MARYLAND DEPARTMENT OF THE ENVIRONMENT

**AIR AND RADIATION ADMINISTRATION
APPLICATION FOR A PERMIT TO CONSTRUCT**

DOCKET #20-23

COMPANY: Schuster Concrete Ready Mix LLC

LOCATION: 3625 E Monument St., Baltimore, MD 21205

APPLICATION: One (1) Metrotrak 2.5 ton per hour waste concrete crusher equipped with a diesel-fired engine rated at 188 horsepower and one (1) McCloskey 13 ton per hour screener equipped with a diesel-fired engine rated at 130 horsepower, using wet suppression systems to control fugitive dust.

<u>ITEM</u>	<u>DESCRIPTION</u>
1	Notice of Application and Opportunity to Request an Informational Meeting
2	Environmental Justice (EJ) Information - EJ Fact Sheet and MDE Score and Screening Report
3	Permit to Construct Application Forms – Form 5, Form 5T, emissions calculations, safety data sheet, site plan, and vendor information.
4	Evidence of Zoning Approval

**DEPARTMENT OF THE ENVIRONMENT
AIR AND RADIATION ADMINISTRATION**

**NOTICE OF APPLICATION AND
OPPORTUNITY TO REQUEST AN INFORMATIONAL MEETING**

The Maryland Department of the Environment, Air and Radiation Administration (ARA) received a permit-to-construct application from Schuster Concrete Ready Mix LLC on November 6, 2023 for the installation of one (1) Metrotrak 2.5 ton per hour waste concrete crusher equipped with a diesel-fired engine rated at 188 horsepower and one (1) McCloskey 13 ton per hour screener equipped with a diesel-fired engine rated at 130 horsepower, using wet suppression systems to control fugitive dust. The proposed installation will be located at 3625 E Monument St., Baltimore, MD 21205.

In accordance with HB 1200/Ch. 588 of 2022, the applicant provided an environmental justice (EJ) Score for the census tract in which the project is located using the Maryland EJ mapping tool. The EJ Score, expressed as a statewide percentile, was shown to be 95, which the Department has verified. This score considers three demographic indicators, minority population above 50%, poverty rate above 25%, and limited English proficiency above 15%, to identify underserved communities. Multiple environmental health indicators are used to identify overburdened communities.

Copies of the application, the MDE EJ Screening Tool Report (which includes the score), and other supporting documents are available for public inspection on the Department's website at <https://mde.maryland.gov/programs/Permits/AirManagementPermits/Pages/index.aspx> (click on Docket Number 20-23). Any applicant-provided information regarding a description of the environmental and socioeconomic indicators contributing to that EJ score can also be found at the listed website. Such information has not yet been reviewed by the Department. A review of the submitted information will be conducted when the Department undertakes its technical review of all documents included in the application.

Pursuant to the Environment Article, Section 1-603, Annotated Code of Maryland, the Department will hold an informational meeting to discuss the application and the permit review process if the Department receives a written request for a meeting within 10 working days from the date of the second publication of this notice. A requested informational meeting will be held virtually using teleconference or internet-based conferencing technology unless a specific request for an in-person informational meeting is received. All requests for an informational meeting should be directed to the attention of Ms. Shannon Heafey, Air Quality Permits Program by email to shannon.heafey@maryland.gov or by mail to the Air and Radiation Administration, 1800 Washington Boulevard, Baltimore, Maryland 21230.

Further information may be obtained by calling Ms. Shannon Heafey at 410-537-4433.

Christopher R. Hoagland, Director
Air and Radiation Administration



The Applicant's Guide to Environmental Justice and Permitting

What You Need to Know

This fact sheet is designed to provide guidance to applicants on incorporating environmental justice screening requirements pursuant to House Bill 1200, effective October 1, 2022.

What is Environmental Justice?

The concept behind the term environmental justice (EJ) is that regardless of race, color, national origin, or income, all Maryland residents and communities should have an equal opportunity to enjoy an enhanced quality of life. How to assess whether equal protection is being applied is the challenge.

Communities surrounded by a disproportionate number of polluting facilities puts residents at a higher risk for health problems from environmental exposures. It is important that residents who may be adversely affected by a proposed source be aware of the current environmental issues in their community in order to have meaningful involvement in the permitting process. Resources may be available from government and private entities to ensure that community health is not negatively impacted by a new source located in the community.

Extensive research has documented that health disparities exist between demographic groups in the United States, such as differences in mortality and morbidity associated with factors that include race/ethnicity, income, and educational attainment. House Bill 1200 adds to MDE's work incorporating diversity, equity and inclusion into our mission to help overburdened and underserved communities with environmental issues.

What is House Bill 1200 and what does it require?

Effective October 1, 2022, House Bill 1200 requires a person applying for a permit from the Department under §1-601 of the Environment Article of the Annotated Code of Maryland or any permit requiring public notice and participation to include in the application an EJ Score for the census tract where the applicant is seeking the permit; requiring the Department, on receiving a certain permit application to review the EJ Score; and requiring notices to include information related to EJ Scores and generally relating to environmental permits and environmental justice screenings.

What is a "Maryland EJ Tool"?

The term "Maryland EJ Tool" means a publicly available state mapping tool that allows users to: (1) explore layers of environmental justice concern; (2) determine an overall EJ score for census tracts in the state; and (3) view additional context layers relevant to an area. The MDE EJ Screening Tool is considered a Maryland EJ Tool.

What is an "EJ Score"?

The term "EJ Score" means an overall evaluation of an area's environment and environmental justice indicators, as defined by MDE in regulation, including: (1) pollution burden exposure; (2) pollution burden environmental effects; (3) sensitive populations; and (4) socioeconomic factors.

The MDE EJ Screening Tool considers three demographic indicators, minority population above 50%, poverty rate above 25% and limited English proficiency above 15%, to identify underserved communities, and multiple environmental health indicators to identify overburdened communities. The tool uses these indicators to calculate a



The Applicant's Guide to Environmental Justice and Permitting

What You Need to Know

Final EJ Score Percentile, statewide. It is that score, linked to the census tract where the project is to be located, that needs to be reported to MDE as part of your permit application.

What does the application require?

The link for the MDE EJ Screening Tool is located on the Department's website, www.mde.maryland.gov. Click on the Environmental Justice header at the top of the Department's home page, then select EJ Screening Tool from the menu on the left. Click on Launch the EJ Screening Tool. After you open the tool, click okay on the opening screen. At the top right, please click the first button for the MDE Screening Report. Input the address of the proposed installation in the address bar. Click on the Report button. Once the report has been generated select the print icon and save it in a .pdf format.

The applicant needs to include the MDE Screening Report with the EJ Score from the MDE EJ Screening Tool as part of the permit application upon submission. An application will not be considered complete without the report.

The applicant is encouraged to provide the Department with a discussion about the environmental exposures in the community. This will provide pertinent information about how the applicant should proceed with engaging with the community. Residents of a community with a high indicator score and a high degree of environmental exposure should be afforded broader opportunities to participate in the permit process and understand the impacts a project seeking permit approval may have on them.

Questions

For air quality permits, please call 410-537-3230.

For water permits, please call 410-537-4145.

For land permits pertaining to Solid Waste, please call 410-537-3098. For land permits pertaining to Oil Control, please call 410-537-3483.

For land permits pertaining to Animal Feeding Operations, please call 410-537-4423.

For land permits pertaining to Biosolids, please call 410-537-3403.

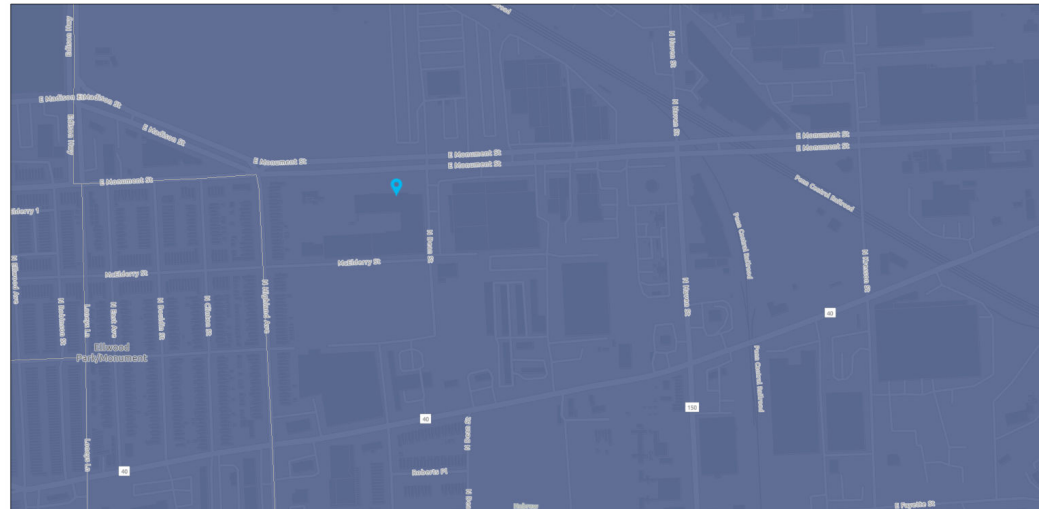


MDE Screening Report

Area of Interest (AOI) Information

Area : 3.14 mi²

Nov 9 2023 12:26:48 Eastern Standard Time



MDE Final EJ Score (%ile score)

- 0% - 24.9th %ile
- 25% - 49.9th %ile
- 50% - 74.9th %ile
- 75% - 100th %ile



MDE, OS, OMT, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Summary

Name	Count	Area(mi ²)	Length(mi)
MDE Final EJ Score (%ile score)	22	3.14	N/A
Overburdened Communities Combined Score	22	3.14	N/A
Overburdened Pollution Environmental Score (%ile score)	22	3.14	N/A
Overburdened Exposure Score (%ile score)	22	3.14	N/A
Overburdened Sensitive Population (%ile score)	22	3.14	N/A
Socioeconomic/Demographic Score 2020 (Percentile score) (Underserved Community)	22	3.14	N/A
Air Emissions Facilities	6	N/A	N/A
Sulfur Dioxide (2010)	0	0	N/A
Ozone (2015)	1	3.14	N/A

Fine Particles (2012)	1	3.14	N/A
Biosolids FY 2020 and Current Permit Details	0	N/A	N/A
Biosolids FY2010 - 2014 Permit Details	0	N/A	N/A
Biosolids FY2009 Expired Permit Details	0	N/A	N/A
Biosolids FY 2020 and Current Permits Distribution By Acreage	0	0	N/A
Biosolids FY2015 - 2019 Permits Distribution By Acreage	1	3.14	N/A
Biosolids FY2010 - 2014 Permits Distribution By Acreage	1	3.14	N/A
Biosolids FY2009 Permits Expired Distribution By Acreage	1	3.14	N/A
Biosolids FY 2020 and Current Permit Distribution By Percent Coverage	1	3.14	N/A
Biosolids FY2015 - 2019 Permit Distribution By Percent Coverage	1	3.14	N/A
Biosolids FY2010 - 2014 Permit Distribution By Percent Coverage	1	3.14	N/A
Biosolids FY2009 Expired Permit Distribution By Percent Coverage	1	3.14	N/A
Concentrated Animal Feeding Operations (CAFOs)	0	N/A	N/A
Composting Facilities	0	N/A	N/A
Food Scrap Acceptors	0	N/A	N/A
Landfills	1	N/A	N/A
Correctional Facilities	0	N/A	N/A
Industrial Food Suppliers	0	N/A	N/A
Residential Colleges	0	N/A	N/A
Non-Residential Colleges	0	N/A	N/A
Hospitals	0	N/A	N/A
High Schools	1	N/A	N/A
Grocery Stores	89	N/A	N/A
10 Miles from Landfill	16	50.23	N/A
10 Miles from Composting Facility	0	0	N/A
General Composting Facilities Tier 2 (MD)	0	N/A	N/A
Commercial Anaerobic Digester (MD)	0	N/A	N/A
Out of State Facilities	0	N/A	N/A
30 mile buffer (Maryland)	3	9.42	N/A
30 Mile Buffer (Out of State)	0	0	N/A
Land Restoration Facilities	37	N/A	N/A
Determinations (points)	9	N/A	N/A
Determinations (areas)	12	0.14	N/A
Entities	41	N/A	N/A
Active Coal Mine Sites	0	N/A	N/A
Historic Mine Facilities	0	N/A	N/A

All Permitted Solid Waste Acceptance Facilities	1	N/A	N/A
Municipal Solid Waste Acceptance Facilities	0	N/A	N/A
Maryland Dam Locations	0	N/A	N/A
Maryland Pond Locations	0	N/A	N/A
Surface Water Intakes	0	N/A	N/A
Wastewater Discharge Facilities	8	N/A	N/A
Drinking Water	0	N/A	N/A
Clean Water	0	N/A	N/A

MDE Final EJ Score (%ile score)

#	Census tract identifier	Geographic Area Name	Total Population	Final EJ Score Percent (for this tract)	Final EJ Score Percentile (Distribution across Maryland)	Area(mi ²)
1	24510260404	Census Tract 2604.04, Baltimore city, Maryland	1987	42.54	95.01	1.06
2	24510260401	Census Tract 2604.01, Baltimore city, Maryland	3290	48.22	99.11	0.29
3	24510260303	Census Tract 2603.03, Baltimore city, Maryland	1211	39.18	90.50	0.22
4	24510080302	Census Tract 803.02, Baltimore city, Maryland	2787	41.41	93.78	0.17
5	24510260700	Census Tract 2607, Baltimore city, Maryland	2563	31.90	63.64	0.14
6	24510261000	Census Tract 2610, Baltimore city, Maryland	2437	40.84	93.03	0.12
7	24510260800	Census Tract 2608, Baltimore city, Maryland	2358	38.60	89.13	0.12
8	24510070200	Census Tract 702, Baltimore city, Maryland	3735	48.38	99.18	0.12
9	24510010200	Census Tract 102, Baltimore city, Maryland	3042	28.37	41.63	0.11
10	24510070100	Census Tract 701, Baltimore city, Maryland	2569	50.09	99.79	0.11
11	24510010300	Census Tract 103, Baltimore city, Maryland	2341	25.30	25.15	0.11
12	24510060200	Census Tract 602, Baltimore city, Maryland	2973	39.53	91.18	0.10
13	24510080301	Census Tract 803.01, Baltimore city, Maryland	2171	44.15	96.31	0.09
14	24510060100	Census Tract 601, Baltimore city, Maryland	2925	39.64	91.32	0.09
15	24510260900	Census Tract 2609, Baltimore city, Maryland	3483	32.46	67.26	0.07
16	24510080200	Census Tract 802, Baltimore city, Maryland	796	44.61	96.92	0.07
17	24510070300	Census Tract 703, Baltimore city, Maryland	1133	43.54	95.90	0.05
18	24510261100	Census Tract 2611, Baltimore city, Maryland	1975	28.20	40.60	0.03
19	24510260501	Census Tract 2605.01, Baltimore city, Maryland	4788	42.43	94.60	0.03
20	24510060300	Census Tract 603, Baltimore city, Maryland	1709	37.46	86.33	0.03
21	24510080400	Census Tract 804, Baltimore city, Maryland	1045	41.46	93.85	0.01
22	24510260302	Census Tract 2603.02, Baltimore city, Maryland	6618	44.28	96.51	< 0.01

Overburdened Communities Combined Score

#	GEOID20	Geographic_Area_Name	TotalPop	Overburd_Exposure_Percent	Overburd_Exposure_Percentile	Overburd_Poll_Enviro_Percent	Overburd_Poll_Enviro_Percentile	Sensitive_Population_Percent
1	24510260404	Census Tract 2604.04, Baltimore city, Maryland	1,987	58.38	99.45	29.76	99.45	49.90
2	24510260401	Census Tract 2604.01, Baltimore city, Maryland	3,290	51.75	90.91	29.96	99.52	76.87
3	24510260303	Census Tract 2603.03, Baltimore city, Maryland	1,211	50.91	87.15	20.73	93.51	55.30
4	24510080302	Census Tract 803.02, Baltimore city, Maryland	2,787	51.41	89.54	20.76	93.64	56.95
5	24510260700	Census Tract 2607, Baltimore city, Maryland	2,563	54.90	96.99	25.89	98.50	45.43
6	24510261000	Census Tract 2610, Baltimore city, Maryland	2,437	50.89	87.08	24.31	97.40	66.71
7	24510260800	Census Tract 2608, Baltimore city, Maryland	2,358	51.80	91.18	24.60	97.74	53.06
8	24510070200	Census Tract 702, Baltimore city, Maryland	3,735	50.73	86.40	20.77	93.71	88.97
9	24510010200	Census Tract 102, Baltimore city, Maryland	3,042	50.22	83.46	18.69	90.02	57.64
10	24510070100	Census Tract 701, Baltimore city, Maryland	2,569	51.90	91.46	23.13	96.72	82.07
11	24510010300	Census Tract 103, Baltimore city, Maryland	2,341	51.05	87.97	20.42	93.10	43.71
12	24510060200	Census Tract 602, Baltimore city, Maryland	2,973	51.01	87.83	20.68	93.37	64.28
13	24510080301	Census Tract 803.01, Baltimore city, Maryland	2,171	49.04	76.90	21.09	94.46	64.84
14	24510060100	Census Tract 601, Baltimore city, Maryland	2,925	51.23	88.93	20.86	93.98	55.23
15	24510260900	Census Tract 2609, Baltimore city, Maryland	3,483	50.47	85.24	23.51	97.13	67.76
16	24510080200	Census Tract 802, Baltimore city, Maryland	796	49.57	79.49	20.15	92.21	65.82
17	24510070300	Census Tract 703, Baltimore city, Maryland	1,133	51.19	88.59	22.55	96.10	65.70
18	24510261100	Census Tract 2611, Baltimore city, Maryland	1,975	51.17	88.52	21.70	95.08	48.21
19	24510260501	Census Tract 2605.01, Baltimore city, Maryland	4,788	56.24	97.95	31.56	99.73	62.62

20	24510060300	Census Tract 603, Baltimore city, Maryland	1,709	51.44	89.68	21.34	94.67	70.60
21	24510080400	Census Tract 804, Baltimore city, Maryland	1,045	49.46	79.22	20.24	92.62	57.05
22	24510260302	Census Tract 2603.02, Baltimore city, Maryland	6,618	49.15	77.38	20.20	92.48	79.30

#	Sensitive_Population_Percentile	OverburdenedAllPercent	OverburdenedAllPercentile	Area(mi²)
1	27.48	92.21	90.43	1.06
2	87.22	99.79	95.76	0.29
3	40.33	79.90	84.21	0.22
4	43.54	89.54	94.94	0.17
5	19.14	74.37	46.62	0.14
6	65.96	92.82	76.08	0.12
7	34.52	90.64	84.01	0.12
8	98.63	98.97	98.22	0.12
9	45.45	74.98	19.55	0.11
10	94.12	99.59	99.04	0.11
11	16.68	48.46	8.34	0.11
12	59.47	91.11	83.25	0.10
13	60.70	94.19	93.57	0.09
14	40.19	86.60	88.04	0.09
15	68.49	89.95	45.45	0.07
16	64.05	97.13	79.90	0.07
17	63.36	93.23	81.54	0.05
18	23.65	59.88	19.07	0.03
19	56.39	97.81	95.83	0.03
20	74.71	93.10	51.81	0.03
21	44.02	87.42	74.85	0.01
22	91.25	96.38	99.79	< 0.01

Overburdened Pollution Environmental Score (%ile score)

#	GEOID20	Geographic_Area_Name	RentalsOccupiedPre79Percent	Percentile	PercentRMP	PercentRMPEJ	PercentHazWaste	PercentHazWasteEJ
1	24510260404	Census Tract 2604.04, Baltimore city, Maryland	45.88	52.43	79.37	72.95	40.49	68.93
2	24510260401	Census Tract 2604.01, Baltimore city, Maryland	42.48	80.18	67.63	59.53	27.37	55.04
3	24510260303	Census Tract 2603.03, Baltimore city, Maryland	9.64	21.87	50.18	78.84	21.97	72.06
4	24510080302	Census Tract 803.02, Baltimore city, Maryland	34.40	72.80	49.13	78.80	36.37	75.99
5	24510260700	Census Tract 2607, Baltimore city, Maryland	21.89	54.48	59.33	31.20	52.45	30.40
6	24510261000	Census Tract 2610, Baltimore city, Maryland	44.07	73.68	58.73	64.86	43.48	62.55
7	24510260800	Census Tract 2608, Baltimore city, Maryland	48.60	80.04	62.31	53.37	43.96	51.47
8	24510070200	Census Tract 702, Baltimore city, Maryland	55.04	83.73	47.96	89.11	45.95	86.82
9	24510010200	Census Tract 102, Baltimore city, Maryland	21.82	65.00	54.38	10.62	47.45	10.24
10	24510070100	Census Tract 701, Baltimore city, Maryland	51.50	72.93	53.35	88.09	41.59	84.94
11	24510010300	Census Tract 103, Baltimore city, Maryland	31.82	66.10	56.38	12.98	52.68	12.65
12	24510060200	Census Tract 602, Baltimore city, Maryland	49.11	83.32	49.25	62.46	47.70	60.85
13	24510080301	Census Tract 803.01, Baltimore city, Maryland	47.14	67.26	44.29	82.88	39.60	80.76
14	24510060100	Census Tract 601, Baltimore city, Maryland	45.15	83.39	53.45	72.44	43.97	70.58
15	24510260900	Census Tract 2609, Baltimore city, Maryland	29.67	84.35	66.92	17.73	55.83	17.27
16	24510080200	Census Tract 802, Baltimore city, Maryland	41.35	44.36	42.76	75.49	35.78	72.79
17	24510070300	Census Tract 703, Baltimore city, Maryland	65.11	57.76	46.19	82.33	55.55	81.89
18	24510261100	Census Tract 2611, Baltimore city, Maryland	24.78	56.60	61.63	23.72	62.81	23.11
19	24510260501	Census Tract 2605.01, Baltimore city, Maryland	43.21	89.61	48.89	50.38	50.54	49.60

20	24510060300	Census Tract 603, Baltimore city, Maryland	47.07	66.99	48.29	42.97	58.51	42.30
21	24510080400	Census Tract 804, Baltimore city, Maryland	45.84	51.95	41.76	83.08	44.05	81.80
22	24510260302	Census Tract 2603.02, Baltimore city, Maryland	27.56	91.18	36.35	73.38	24.31	69.98

#	PercentSuperFund NPL	PercentSuperFund NPLEJ	PercentHazWW	PercentHazWWEJ	BrownFPercent	Percentile_1	PercentPowerPlans	Percentile_12
1	51.77	76.37	38.68	73.40	2.53	99.66	9.09	95.42
2	77.62	63.60	54.55	78.36	0.00	0.00	0.00	0.00
3	50.40	84.23	53.56	85.30	0.84	97.20	0.00	0.00
4	27.29	80.72	39.67	77.37	0.00	0.00	0.00	0.00
5	59.38	33.00	38.68	43.64	1.27	98.56	0.00	0.00
6	40.73	67.17	31.74	62.49	0.00	0.00	0.00	0.00
7	47.87	55.85	17.85	35.71	0.84	97.20	0.00	0.00
8	21.07	89.31	16.86	51.58	0.00	0.00	0.00	0.00
9	24.71	10.65	19.84	8.93	0.00	0.00	0.00	0.00
10	28.98	90.23	32.73	75.38	0.00	0.00	0.00	0.00
11	20.05	12.73	22.81	11.90	0.00	0.00	0.00	0.00
12	21.22	62.60	18.85	42.65	0.00	0.00	0.00	0.00
13	19.64	83.02	38.68	78.36	0.42	93.44	0.00	0.00
14	27.31	74.20	17.85	45.63	0.00	0.00	0.00	0.00
15	34.14	18.17	23.80	16.86	1.27	98.56	0.00	0.00
16	20.36	75.61	40.67	77.37	0.42	93.44	0.00	0.00
17	18.80	82.46	16.86	48.60	0.42	93.44	0.00	0.00
18	25.27	23.79	20.83	19.84	0.00	0.00	0.00	0.00
19	100.00	54.94	39.67	62.49	1.69	99.18	0.00	0.00
20	18.89	42.59	18.85	30.75	0.42	93.44	0.00	0.00
21	17.79	82.29	32.73	73.40	0.00	0.00	0.00	0.00
22	40.05	79.23	53.56	84.31	0.00	0.00	0.00	0.00

#	PercentCAFOS	Percentile_12_13	PercentActiveMines	Percentile_12_13_14	PollutionEnvironmentalPercent	PollnEnvironmentalPercercentile	Area(mi²)
1	0.00	0.00	0.00	0.00	29.76	99.45	1.06
2	0.00	0.00	0.00	0.00	29.96	99.52	0.29
3	0.00	0.00	0.00	0.00	20.73	93.51	0.22
4	0.00	0.00	0.00	0.00	20.76	93.64	0.17
5	0.00	0.00	0.00	0.00	25.89	98.50	0.14
6	0.00	0.00	0.00	0.00	24.31	97.40	0.12
7	0.00	0.00	0.00	0.00	24.60	97.74	0.12
8	0.00	0.00	0.00	0.00	20.77	93.71	0.12
9	0.00	0.00	0.00	0.00	18.69	90.02	0.11
10	0.00	0.00	0.00	0.00	23.13	96.72	0.11
11	0.00	0.00	0.00	0.00	20.42	93.10	0.11
12	0.00	0.00	0.00	0.00	20.68	93.37	0.10
13	0.00	0.00	0.00	0.00	21.09	94.46	0.09
14	0.00	0.00	0.00	0.00	20.86	93.98	0.09
15	0.00	0.00	0.00	0.00	23.51	97.13	0.07
16	0.00	0.00	0.00	0.00	20.15	92.21	0.07
17	0.00	0.00	0.00	0.00	22.55	96.10	0.05
18	0.00	0.00	0.00	0.00	21.70	95.08	0.03
19	0.00	0.00	0.00	0.00	31.56	99.73	0.03
20	0.00	0.00	0.00	0.00	21.34	94.67	0.03
21	0.00	0.00	0.00	0.00	20.24	92.62	0.01
22	0.00	0.00	0.00	0.00	20.20	92.48	< 0.01

Overburdened Exposure Score (%ile score)

#	GEOID20	Geographic_Area_Name	Total_Pop	PercentNATA_Cancer	Percentile_NATA_Cancer	PercentNATA_Res p_HI	Percentile_NATA_Resp_HI	PercentNATA_Diesel
1	24510260404	Census Tract 2604.04, Baltimore city, Maryland	1,987.00	60.00	62.21	80.00	69.38	53.88
2	24510260401	Census Tract 2604.01, Baltimore city, Maryland	3,290.00	60.00	51.28	80.00	57.19	50.94
3	24510260303	Census Tract 2603.03, Baltimore city, Maryland	1,211.00	60.00	68.61	80.00	76.52	45.91
4	24510080302	Census Tract 803.02, Baltimore city, Maryland	2,787.00	60.00	68.58	80.00	76.49	51.12
5	24510260700	Census Tract 2607, Baltimore city, Maryland	2,563.00	60.00	26.88	80.00	29.98	55.18
6	24510261000	Census Tract 2610, Baltimore city, Maryland	2,437.00	60.00	55.87	80.00	62.31	54.23
7	24510260800	Census Tract 2608, Baltimore city, Maryland	2,358.00	60.00	45.97	80.00	51.27	55.11
8	24510070200	Census Tract 702, Baltimore city, Maryland	3,735.00	60.00	77.55	80.00	86.49	53.43
9	24510010200	Census Tract 102, Baltimore city, Maryland	3,042.00	60.00	9.15	80.00	10.20	56.58
10	24510070100	Census Tract 701, Baltimore city, Maryland	2,569.00	60.00	76.66	80.00	85.50	52.66
11	24510010300	Census Tract 103, Baltimore city, Maryland	2,341.00	60.00	11.18	80.00	12.47	58.55
12	24510060200	Census Tract 602, Baltimore city, Maryland	2,973.00	60.00	54.35	80.00	60.62	55.04
13	24510080301	Census Tract 803.01, Baltimore city, Maryland	2,171.00	60.00	72.88	80.00	81.29	51.89
14	24510060100	Census Tract 601, Baltimore city, Maryland	2,925.00	60.00	63.04	80.00	70.31	54.11
15	24510260900	Census Tract 2609, Baltimore city, Maryland	3,483.00	60.00	15.27	80.00	17.03	56.68
16	24510080200	Census Tract 802, Baltimore city, Maryland	796.00	60.00	66.38	80.00	74.04	50.29
17	24510070300	Census Tract 703, Baltimore city, Maryland	1,133.00	60.00	72.40	80.00	80.75	53.95
18	24510261100	Census Tract 2611, Baltimore city, Maryland	1,975.00	60.00	20.43	80.00	22.78	57.50
19	24510260501	Census Tract 2605.01, Baltimore city, Maryland	4,788.00	60.00	43.85	80.00	48.90	52.96

20	24510060300	Census Tract 603, Baltimore city, Maryland	1,709.00	60.00	37.39	80.00	41.70	55.38
21	24510080400	Census Tract 804, Baltimore city, Maryland	1,045.00	60.00	73.06	80.00	81.49	52.46
22	24510260302	Census Tract 2603.02, Baltimore city, Maryland	6,618.00	60.00	65.90	80.00	73.50	43.75

#	Percentile_NATA_Diesel	PercentNATA_PM25	PercentileNATA_PM25	PercentOzone	PercentileOzone	PercentTraffic	PercentileTraffic	PercentTRI
1	71.42	98.47	65.19	99.00	69.01	17.76	68.59	57.89
2	57.56	98.37	53.73	98.94	56.88	20.51	57.16	5.26
3	74.40	98.60	71.90	98.90	76.11	8.05	63.88	15.79
4	76.99	99.06	74.74	98.92	76.07	5.51	56.29	0.00
5	31.20	98.68	28.73	99.08	29.82	30.47	31.28	15.79
6	64.15	99.08	60.89	99.03	61.97	14.74	59.55	0.00
7	53.37	98.84	49.14	99.02	50.99	10.92	46.18	10.53
8	89.03	99.30	84.51	98.94	86.02	14.18	82.65	0.00
9	10.62	99.13	9.97	99.06	10.15	7.01	8.18	0.00
10	87.04	99.18	83.55	98.93	85.04	19.16	84.53	5.26
11	13.12	99.36	12.42	99.04	12.40	11.45	11.37	0.00
12	63.10	99.35	60.38	98.99	60.29	14.70	57.93	0.00
13	82.75	99.26	79.43	98.88	80.85	2.29	41.07	0.00
14	72.38	99.15	68.71	99.01	69.93	17.58	68.74	0.00
15	17.73	98.87	16.32	99.10	16.94	9.15	14.78	0.00
16	74.52	99.26	72.35	98.83	72.75	8.21	62.62	0.00
17	83.12	99.43	80.42	98.93	80.31	17.20	78.94	0.00
18	23.98	98.95	21.84	99.10	22.66	8.56	19.52	5.26
19	49.78	98.01	45.03	99.09	48.64	44.06	52.10	15.79
20	43.41	99.49	41.53	98.95	41.48	17.66	41.23	0.00
21	82.95	99.38	81.15	98.86	81.04	4.98	58.18	0.00
22	69.78	98.70	70.44	98.85	73.10	11.95	67.81	0.00

#	PercentileTRI	PercentHazWasteLF	Percentile_HazWasteLF	PollutionExposurePercent	PollutionExposurePercentile	Area(mi²)
1	99.79	0.00	0.00	58.38	99.45	1.06
2	80.18	0.00	0.00	51.75	90.91	0.29
3	94.87	0.00	0.00	50.91	87.15	0.22
4	0.00	16.67	95.49	51.41	89.54	0.17
5	94.87	0.00	0.00	54.90	96.99	0.14
6	0.00	0.00	0.00	50.89	87.08	0.12
7	91.73	0.00	0.00	51.80	91.18	0.12
8	0.00	0.00	0.00	50.73	86.40	0.12
9	0.00	0.00	0.00	50.22	83.46	0.11
10	80.18	0.00	0.00	51.90	91.46	0.11
11	0.00	0.00	0.00	51.05	87.97	0.11
12	0.00	0.00	0.00	51.01	87.83	0.10
13	0.00	0.00	0.00	49.04	76.90	0.09
14	0.00	0.00	0.00	51.23	88.93	0.09
15	0.00	0.00	0.00	50.47	85.24	0.07
16	0.00	0.00	0.00	49.57	79.49	0.07
17	0.00	0.00	0.00	51.19	88.59	0.05
18	80.18	0.00	0.00	51.17	88.52	0.03
19	94.87	0.00	0.00	56.24	97.95	0.03
20	0.00	0.00	0.00	51.44	89.68	0.03
21	0.00	0.00	0.00	49.46	79.22	0.01
22	0.00	0.00	0.00	49.15	77.38	< 0.01

Overburdened Sensitive Population (%ile score)

#	GEOID20	Geographic_Area_Name	PerAstma	PercentileAst	PerMyo	PercentileMyo	PerLow	PercentileLow
1	24510260404	Census Tract 2604.04, Baltimore city, Maryland	46.10	26.59	21.90	14.63	50.90	28.37
2	24510260401	Census Tract 2604.01, Baltimore city, Maryland	93.00	73.55	80.60	63.64	72.30	65.48
3	24510260303	Census Tract 2603.03, Baltimore city, Maryland	83.40	29.32	54.30	20.78	0.00	0.00
4	24510080302	Census Tract 803.02, Baltimore city, Maryland	79.50	58.65	41.70	34.24	36.90	28.98
5	24510260700	Census Tract 2607, Baltimore city, Maryland	37.30	27.89	30.60	24.54	24.30	15.45
6	24510261000	Census Tract 2610, Baltimore city, Maryland	71.00	48.12	50.40	35.89	58.00	39.37
7	24510260800	Census Tract 2608, Baltimore city, Maryland	33.30	22.49	27.10	20.44	84.00	55.37
8	24510070200	Census Tract 702, Baltimore city, Maryland	93.30	79.84	81.90	70.75	91.60	83.19
9	24510010200	Census Tract 102, Baltimore city, Maryland	51.00	43.47	44.30	37.73	46.20	39.23
10	24510070100	Census Tract 701, Baltimore city, Maryland	90.00	60.08	71.50	49.01	97.70	67.87
11	24510010300	Census Tract 103, Baltimore city, Maryland	39.40	26.86	31.30	22.90	10.60	8.95
12	24510060200	Census Tract 602, Baltimore city, Maryland	54.00	44.63	42.90	36.77	80.60	65.76
13	24510080301	Census Tract 803.01, Baltimore city, Maryland	78.00	47.16	39.20	26.18	75.70	46.48
14	24510060100	Census Tract 601, Baltimore city, Maryland	40.00	33.29	31.90	28.91	75.70	61.18
15	24510260900	Census Tract 2609, Baltimore city, Maryland	59.20	56.05	56.30	51.54	61.10	59.26
16	24510080200	Census Tract 802, Baltimore city, Maryland	75.40	18.25	35.50	9.64	98.60	20.78
17	24510070300	Census Tract 703, Baltimore city, Maryland	87.90	28.78	66.00	23.58	28.40	9.57
18	24510261100	Census Tract 2611, Baltimore city, Maryland	30.00	17.84	23.00	15.11	45.70	24.81
19	24510260501	Census Tract 2605.01, Baltimore city, Maryland	68.40	76.62	66.10	72.93	36.80	49.21

20	24510060300	Census Tract 603, Baltimore city, Maryland	69.50	33.63	39.90	21.33	84.30	40.19
21	24510080400	Census Tract 804, Baltimore city, Maryland	68.30	21.12	26.70	9.50	63.60	16.68
22	24510260302	Census Tract 2603.02, Baltimore city, Maryland	90.50	97.95	71.70	91.39	71.80	95.28

#	PercentBroad	PercentileBroad	PercentSens	PercentileSens	Area(mi ²)
1	19.29	30.49	34.55	25.02	1.06
2	38.43	95.28	71.08	74.49	0.29
3	15.86	37.87	38.39	22.01	0.22
4	29.19	87.35	46.82	52.31	0.17
5	10.48	37.46	25.67	26.33	0.14
6	12.54	39.71	47.99	40.77	0.12
7	32.16	86.40	44.14	46.17	0.12
8	10.91	38.48	69.43	68.06	0.12
9	10.94	54.55	38.11	43.75	0.11
10	30.93	73.89	72.53	62.71	0.11
11	6.46	23.10	21.94	20.45	0.11
12	20.39	72.25	49.47	54.85	0.10
13	33.53	74.50	56.61	48.58	0.09
14	26.70	86.40	43.57	52.44	0.09
15	5.55	37.87	45.54	51.18	0.07
16	46.22	59.67	63.93	27.08	0.07
17	19.51	26.25	50.45	22.04	0.05
18	5.87	18.25	26.14	19.00	0.03
19	20.84	86.60	48.03	71.34	0.03
20	11.29	28.78	51.25	30.98	0.03
21	28.74	43.95	46.84	22.81	0.01
22	16.81	94.74	62.70	94.84	< 0.01

Socioeconomic/Demographic Score 2020 (Percentile score) (Underserved Community)

#	Census tract identifier	Geographic Area Name	Total Population	Percent Poverty	Percent Minority	Percent Limited English Proficiency	Demographic Score (Percent for this tract)	Demographic Score (Percentile Distribution across Maryland)	Area(mi ²)
1	24510260404	Census Tract 2604.04, Baltimore city, Maryland	1,987	60.54	65.43	16.47	47.48	92.53	1.06
2	24510260401	Census Tract 2604.01, Baltimore city, Maryland	3,290	43.07	60.76	16.38	40.07	82.11	0.29
3	24510260303	Census Tract 2603.03, Baltimore city, Maryland	1,211	54.04	84.89	1.09	46.67	91.78	0.22
4	24510080302	Census Tract 803.02, Baltimore city, Maryland	2,787	43.32	95.55	1.10	46.66	91.64	0.17
5	24510260700	Census Tract 2607, Baltimore city, Maryland	2,563	22.47	31.95	9.02	21.15	46.61	0.14
6	24510261000	Census Tract 2610, Baltimore city, Maryland	2,437	42.72	70.41	7.48	40.20	82.52	0.12
7	24510260800	Census Tract 2608, Baltimore city, Maryland	2,358	37.15	55.94	8.48	33.86	70.32	0.12
8	24510070200	Census Tract 702, Baltimore city, Maryland	3,735	59.41	97.62	0.82	52.62	97.19	0.12
9	24510010200	Census Tract 102, Baltimore city, Maryland	3,042	5.90	12.62	0.86	6.46	5.35	0.11
10	24510070100	Census Tract 701, Baltimore city, Maryland	2,569	58.08	97.16	3.13	52.79	97.40	0.11
11	24510010300	Census Tract 103, Baltimore city, Maryland	2,341	5.81	16.83	0.71	7.78	9.73	0.11
12	24510060200	Census Tract 602, Baltimore city, Maryland	2,973	43.70	66.36	0.84	36.97	76.42	0.10
13	24510080301	Census Tract 803.01, Baltimore city, Maryland	2,171	47.77	99.82	2.05	49.88	95.27	0.09
14	24510060100	Census Tract 601, Baltimore city, Maryland	2,925	51.52	76.14	1.03	42.90	86.84	0.09
15	24510260900	Census Tract 2609, Baltimore city, Maryland	3,483	12.20	18.72	0.00	10.31	17.34	0.07
16	24510080200	Census Tract 802, Baltimore city, Maryland	796	42.09	92.34	0.00	44.81	89.65	0.07
17	24510070300	Census Tract 703, Baltimore city, Maryland	1,133	50.57	96.03	3.30	49.97	95.41	0.05

18	24510261100	Census Tract 2611, Baltimore city, Maryland	1,975	17.01	24.35	0.00	13.79	28.31	0.03
19	24510260501	Census Tract 2605.01, Baltimore city, Maryland	4,788	38.10	50.69	12.85	33.88	70.39	0.03
20	24510060300	Census Tract 603, Baltimore city, Maryland	1,709	25.45	50.26	1.76	25.83	55.31	0.03
21	24510080400	Census Tract 804, Baltimore city, Maryland	1,045	59.62	88.33	0.00	49.31	94.38	0.01
22	24510260302	Census Tract 2603.02, Baltimore city, Maryland	6,618	35.12	98.32	1.76	45.07	90.27	< 0.01

Air Emissions Facilities

#	Agency Interest ID	Facility Name	Agency Interest Alt Name	Premises ID	Emission Year	Air Code	NAIC Code	NAIC Description
1	2487	Petroleum Fuel and Terminal Co - Erdman Ave	Petroleum Fuel and Terminal Co - Erdman Ave-2487	510-0677	2021	Title V	424,710	Petroleum Bulk Stations and Terminals
2	5220	Mid Atlantic Baking Co	Mid Atlantic Baking Co-5220	510-0283	2021	SOP	311,812	Commercial Bakeries
3	5618	Constellation Energy Group - Philadelphia Road	Constellation Energy Group - Philadelphia Road-5618	510-0265	2021	Title V	221,112	Fossil Fuel Electric Power Generation
4	19700	Potts & Callahan, Inc.	Potts & Callahan, Inc.-19700	510-2856	2021	SOP	212,319	Other Crushed and Broken Stone Mining and Quarrying
5	31481	Rowen Concrete, Inc.	Rowen Concrete, Inc.-31481	510-3419	2021	SOP	327,320	Ready-Mix Concrete Manufacturing
6	63585	Baltimore Recycling Center LLC	Baltimore Recycling Center LLC-63585	510-3184	2021	SOP	562,920	Materials Recovery Facilities

#	Physical Address	Physical City	Physical State	Physical Zip Code	County	Carbon Monoxide (CO)	Nitrous Oxide	Particulate Matter (PT)
1	5101 Erdman Ave	Baltimore	MD	21,205	Baltimore City	0.18	0.72	0.07
2	3800 E Baltimore St	Baltimore	MD	21,224	Baltimore City	11.69	13.92	0.00
3	3914 Pulaski Hwy	Baltimore	MD	21,205	Baltimore City	1.02	169.25	0.68
4	5001 Pulaski Hwy	Baltimore	MD	21,224	Baltimore City	0.00	0.00	14.25
5	4600 E Fayette St	Baltimore	MD	21,224	Baltimore City	0.00	0.00	0.00
6	1030 Edison Hwy	Baltimore	MD	21,213	Baltimore City	0.00	0.00	0.00

#	Particulate Matter (10 Filterable)	Particulate Matter (2.5 Filterable)	PM Condensables	Volatile Organic Compounds (VOC)	Sulphur Dioxide (SOx)	Carbon Dioxide	Mercury	Methane
1	0.04	0.01	0.05	347.97	1.54	807.17	0.00	0.00
2	0.26	0.26	0.79	27.55	0.08	16,707.60	0.00	0.32
3	1.42	1.24	2.24	0.12	2.49	50,038.02	0.00	2.03
4	11.01	4.50	0.00	0.00	0.00	0.00	0.00	0.00
5	32.18	0.48	0.00	0.00	0.01	720.25	0.00	0.00
6	1.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00

#	Billable Criteria Pollutants (BCRI)	Billable Hazardous Pollutants (BHAP)	Total Billable and Non-Bilable Hazardous Air Pollutant Emissions (HAPS)	Count
1	350.32	0.00	2.94	1
2	42.61	0.00	0.00	1
3	175.51	0.00	0.05	1
4	11.01	0.00	0.00	1
5	32.19	0.00	0.00	1
6	1.08	0.00	0.00	1

Ozone (2015)

#	STATEFP10	COUNTYFP10	COUNTYNS10	GEOID10	NAME10	Ozone NAA Area	8-Hr Ozone (2015) Designation	8-HR Ozone (2015) Classification	8-Hr Ozone (2015) Status	Area(mi ²)
1	24	510	01702381	24510	Baltimore	Baltimore, MD	Nonattainment	Moderate	No Data	3.14

Fine Particles (2012)

#	STATEFP10	COUNTYFP10	COUNTYNS10	GEOID10	NAME10	PM2.5 (2012) Status	Area(mi ²)
1	24	510	01702381	24510	Baltimore	Attainment/Unclassifiable	3.14

Biosolids FY2015 - 2019 Permits Distribution By Acreage

#	County Name	FY2015to2019	Area(mi ²)
1	Baltimore City	No Data	3.14

Biosolids FY2010 - 2014 Permits Distribution By Acreage

#	County Name	FY2010to2014	Area(mi ²)
1	Baltimore City	No Data	3.14

Biosolids FY2009 Permits Expired Distribution By Acreage

#	County Name	FY2009	Area(mi ²)
1	Baltimore City	No Data	3.14

Biosolids FY 2020 and Current Permit Distribution By Percent Coverage

#	County Name	FY2020andAfter	Area(mi ²)
1	Baltimore City	No Data	3.14

Biosolids FY2015 - 2019 Permit Distribution By Percent Coverage

#	County Name	FY2015to2019	Area(mi²)
1	Baltimore City	No Data	3.14

Biosolids FY2010 - 2014 Permit Distribution By Percent Coverage

#	County Name	FY2010to2014	Area(mi²)
1	Baltimore City	No Data	3.14

Biosolids FY2009 Expired Permit Distribution By Percent Coverage

#	County Name	FY2009	Area(mi²)
1	Baltimore City	No Data	3.14

Landfills

#	County	Type	Facility_N	ADDRESS	SITE__ACRE	AI_No_	Owner_Type	PERMITNUMB	EXPIRATION	Count
1	BALTIMORECITY	WPT	Baltimore Recycling CenterPF&TS	1030 Edison Highway, Baltimore MD 21213.	12.50	63,585.00	PRI	2014-WPT-0631	12/27/2019, 7:00 PM	1

High Schools

#	City	State	Zip	County	Food_Scrap	Total_Enro	Count
1	Baltimore	MD	21205	Baltimore City	2041	54	1

Grocery Stores

#	County	Name	Address	City	State	Zip	Source	Accpt_SNAP	Count
1	Baltimore City	"Unnamed"	2946 E Preston St	Baltimore	MD	21,213.00	CLF	No Data	1
2	Baltimore City	24 Seven	3408 Eastern Ave	Baltimore	MD	21,224.00	SNAP	Yes	1
3	Baltimore City	A & L Liquor Store	452 N Patterson Park Ave	Baltimore	MD	21,231.00	CLF, SNAP	Yes	1
4	Baltimore City	A Plus Groceries And Deli Llc 2	2611 Jefferson St	Baltimore	MD	21,205.00	CLF, SNAP	Yes	1
5	Baltimore City	A&C Carryout	1145 N Milton Ave	Baltimore	MD	21,213.00	CLF	No Data	1
6	Baltimore City	Aldi Inc 30	3250 E Fayette St	Baltimore	MD	21,224.00	CLF, SNAP, TRF	Yes	1
7	Baltimore City	Angel's Mart	4501 Eastern Ave	Baltimore	MD	21,224.00	CLF	No Data	1
8	Baltimore City	B & C Grocery / Gomez Grocery	2600 E Chase St	Baltimore	MD	21,213.00	SNAP, TRF	Yes	1
9	Baltimore City	Barato Grocery Llc / Moriah Grocery	3101 E Baltimore St	Baltimore	MD	21,224.00	CLF, SNAP	Yes	1
10	Baltimore City	Bk Foods / Mars Food Mart	2434 E Monument St	Baltimore	MD	21,205.00	CLF, SNAP	Yes	1
11	Baltimore City	Bright View Mart	3400 E Baltimore St	Baltimore	MD	21,224.00	SNAP	Yes	1
12	Baltimore City	Cinco De Mayo Iv Incorporated	417 S Highland Ave	Baltimore	MD	21,224.00	CLF, SNAP	Yes	1
13	Baltimore City	Clariza Grocery	2642 E Monument St	Baltimore	MD	21,205.00	CLF	No Data	1
14	Baltimore City	Coco Mart Inc	2401 Jefferson St	Baltimore	MD	21,205.00	CLF, SNAP	Yes	1
15	Baltimore City	Cooley's Grocery	2739 Ashland Ave	Baltimore	MD	21,205.00	CLF, SNAP	Yes	1
16	Baltimore City	Corona Grocery Llc	3520 E Lombard St	Baltimore	MD	21,224.00	CLF, SNAP	Yes	1
17	Baltimore City	Curley Street Corner Grocery	164 N Curley St	Baltimore	MD	21,224.00	CLF, SNAP	Yes	1
18	Baltimore City	D & L One Stop Groceries Llc	2944 E Preston St	Baltimore	MD	21,213.00	SNAP	Yes	1
19	Baltimore City	Daily Grocery	3900 Claremont St	Baltimore	MD	21,224.00	SNAP	Yes	1
20	Baltimore City	Decker Liquor Inc	1241 N Decker Ave	Baltimore	MD	21,213.00	SNAP	Yes	1
21	Baltimore City	Decker Street Convenience Store	101 N Decker Ave	Baltimore	MD	21,224.00	CLF, SNAP	Yes	1
22	Baltimore City	Deli Latino	3133 Eastern Ave	Baltimore	MD	21,224.00	CLF, SNAP	Yes	1
23	Baltimore City	Dilone Grocery & Restaurant	157 N Lakewood Ave	Baltimore	MD	21,224.00	CLF, SNAP	Yes	1
24	Baltimore City	Dipasquales Imported	3700 Gough St	Baltimore	MD	21,224.00	CLF,TRF	No Data	1
25	Baltimore City	Dr Deli & Grocery Llc	2808 Jefferson St	Baltimore	MD	21,205.00	CLF, SNAP	Yes	1
26	Baltimore City	Edison Grocery And Carryout	1501 Edison Highway	Baltimore	MD	21,213.00	SNAP	Yes	1
27	Baltimore City	Family Snack's	3200 E Baltimore St	Baltimore	MD	21,224.00	CLF, SNAP	Yes	1

28	Baltimore City	Five Star	3325 E Baltimore St	Baltimore	MD	21,224.00	CLF, SNAP	Yes	1
29	Baltimore City	Franks Grocery & Deli	601 N Potomac St	Baltimore	MD	21,205.00	CLF, SNAP	Yes	1
30	Baltimore City	Friends Grocery	3531 Claremont St	Baltimore	MD	21,224.00	SNAP	Yes	1
31	Baltimore City	G-Mart International Foods 6	3800 E Lombard St.	Baltimore	MD	21,224.00	SNAP	Yes	1
32	Baltimore City	Garcia Groceries	2341 E Fayette St	Baltimore	MD	21,224.00	CLF, SNAP	Yes	1
33	Baltimore City	Garcia Grocery Llc	2440 E Chase St	Baltimore	MD	21,213.00	SNAP	Yes	1
34	Baltimore City	George's Grocery And Grill	165 N Potomac St	Baltimore	MD	21,224.00	CLF, SNAP	Yes	1
35	Baltimore City	Gomez K & S Grocery / Green's Variety	1301 N Luzerne Ave	Baltimore	MD	21,213.00	CLF, SNAP	Yes	1
36	Baltimore City	Hernandez Grocery & Deli	2300 E Monument St	Baltimore	MD	21,205.00	CLF	No Data	1
37	Baltimore City	Highland Grocery & Deli	19 S Highland Ave	Baltimore	MD	21,224.00	CLF, SNAP	Yes	1
38	Baltimore City	Highland Town Groceries	403 S Conkling St	Baltimore	MD	21,224.00	SNAP	Yes	1
39	Baltimore City	Hispano American Grocery	3401 E Lombard St	Baltimore	MD	21,224.00	TRF	No Data	1
40	Baltimore City	Hispano American Grocery & Carryout (La Roca)	3200 Pulaski Hwy	Baltimore	MD	21,224.00	SNAP	Yes	1
41	Baltimore City	Hispano American Grocery 2 Inc	100 S Highland Ave	Baltimore	MD	21,224.00	CLF, SNAP	Yes	1
42	Baltimore City	Hyes Grocery	2819 E Madison St	Baltimore	MD	21,205.00	CLF, SNAP	Yes	1
43	Baltimore City	J & J Carryout & Grocery	2423 E Monument St	Baltimore	MD	21,205.00	SNAP	Yes	1
44	Baltimore City	J&K Grocery And Deli	101 N Streeper St	Baltimore	MD	21,224.00	CLF, SNAP	Yes	1
45	Baltimore City	Jeremys Grocery And Deli Llc	2400 E Fayette St	Baltimore	MD	21,224.00	CLF, SNAP	Yes	1
46	Baltimore City	John's Deli And Grocery	300 S Highland St	Baltimore	MD	21,224.00	CLF	No Data	1
47	Baltimore City	Jongs Grocery	1333 N Milton Ave	Baltimore	MD	21,213.00	CLF, SNAP	Yes	1
48	Baltimore City	Kenwood Deli & Grocery / Kim Deli & Grocery	157 N Kenwood Ave	Baltimore	MD	21,224.00	CLF, SNAP	Yes	1
49	Baltimore City	La Bodega Grocery And Deli	2900 E Monument St	Baltimore	MD	21,205.00	CLF, SNAP	Yes	1
50	Baltimore City	La Roca Grocery	3210 Pulaski Hwy	Baltimore	MD	21,224.00	CLF	No Data	1

51	Baltimore City	Latino Grocery & Deli Corporation 1	3248 E Baltimore St	Baltimore	MD	21,224.00	CLF, SNAP	Yes	1
52	Baltimore City	Linwood Grocery	230 N Linwood Ave	Baltimore	MD	21,224.00	SNAP	Yes	1
53	Baltimore City	Little Girl Grocery / Day Up Grocery	4600 Eastern Ave	Baltimore	MD	21,224.00	CLF, SNAP	Yes	1
54	Baltimore City	Lucia Food Market / Ozz Market	746 N Patterson Park Ave	Baltimore	MD	21,205.00	CLF, SNAP	Yes	1
55	Baltimore City	Lucky Corner	2330 E Fairmount Ave	Baltimore	MD	21,224.00	CLF, SNAP	Yes	1
56	Baltimore City	Lucky Market	535 N Glover St	Baltimore	MD	21,205.00	CLF, SNAP	Yes	1
57	Baltimore City	Maakaf Mart	2422 E Monument St	Baltimore	MD	21,205.00	SNAP	Yes	1
58	Baltimore City	Madina Grocery	415 S Conkling St	Baltimore	MD	21,224.00	CLF, SNAP	Yes	1
59	Baltimore City	Maisa Mart	3300 Eastern Ave	Baltimore	MD	21,224.00	CLF, SNAP	Yes	1
60	Baltimore City	Malik Food Mart Corp	2401 E Biddle St	Baltimore	MD	21,213.00	SNAP	Yes	1
61	Baltimore City	Mama Grocery Store	847 N Montford Ave	Baltimore	MD	21,205.00	CLF, SNAP, TRF	Yes	1
62	Baltimore City	Moriah Inc 3102	3100 E Baltimore St	Baltimore	MD	21,224.00	SNAP	Yes	1
63	Baltimore City	Murrays 8060	2238 E Monument St	Baltimore	MD	21,205.00	CLF, SNAP, TRF	Yes	1
64	Baltimore City	Murrays 8077	4530 Erdman Ave	Baltimore	MD	21,213.00	CLF, SNAP	Yes	1
65	Baltimore City	Nanas Deli & Grocery Store	540 N Milton Ave	Baltimore	MD	21,205.00	CLF, SNAP	Yes	1
66	Baltimore City	Neighborhood Friend Corp / Sober Inc Grocery Store	2535 E Monument St	Baltimore	MD	21,205.00	CLF, SNAP	Yes	1
67	Baltimore City	Nephew's Food Market	3129 Mcelderry St	Baltimore	MD	21,205.00	CLF, SNAP	Yes	1
68	Baltimore City	New Easternmart Cafe & Deli	3221 Eastern Avenue	Baltimore	MD	21,224.00	CLF, SNAP	Yes	1
69	Baltimore City	Obama's Express Variety	2415 Orleans St	Baltimore	MD	21,224.00	SNAP, CLF	No Data	1
70	Baltimore City	One Plus One Grocery & Deli	2708 Orleans St	Baltimore	MD	21,224.00	SNAP	Yes	1
71	Baltimore City	Patel's Corner 143 li	700 N Kenwood Ave	Baltimore	MD	21,205.00	CLF, SNAP, TRF	Yes	1
72	Baltimore City	Patels Corner I	2701 E Monument St	Baltimore	MD	21,205.00	SNAP	Yes	1
73	Baltimore City	Patels Corner lii / Twins Corner	3001 E Monument St	Baltimore	MD	21,205.00	CLF, SNAP	Yes	1
74	Baltimore City	Patterson Food Market	2245 E Fayette St	Baltimore	MD	21,231.00	CLF, SNAP	Yes	1
75	Baltimore City	Price Value Supermarket Corp.	2509 E Monument St	Baltimore	MD	21,205.00	CLF, SNAP, TRF	Yes	1

76	Baltimore City	Quick Stop Convenience Store	237 N Patterson Park Ave	Baltimore	MD	21,231.00	CLF, SNAP	Yes	1
77	Baltimore City	Ricardos Grocery	3027 E Baltimore St	Baltimore	MD	21,224.00	CLF,TRF	<i>No Data</i>	1
78	Baltimore City	Shop Express	2335 Orleans St	Baltimore	MD	21,224.00	SNAP, CLF	Yes	1
79	Baltimore City	Shop Smart Deli Grocery Llc	2520 E Monument St	Baltimore	MD	21,205.00	SNAP	Yes	1
80	Baltimore City	Solly Beauty & Convience Store	421 S Conkling St	Baltimore	MD	21,224.00	SNAP	Yes	1
81	Baltimore City	Spanick Grocery	246 N Rose St	Baltimore	MD	21,224.00	CLF, SNAP, TRF	Yes	1
82	Baltimore City	Spencer Carryout	2446 E Preston St	Baltimore	MD	21,213.00	SNAP	Yes	1
83	Baltimore City	Sun Grocery	2338 E Monument St	Baltimore	MD	21,205.00	CLF, SNAP	Yes	1
84	Baltimore City	Sunny Grocery	600 N Curley St	Baltimore	MD	21,205.00	CLF, SNAP	Yes	1
85	Baltimore City	The Basement Store	2740 E Preston St	Baltimore	MD	21,213.00	CLF, SNAP	Yes	1
86	Baltimore City	The Market At Highlandtown	3801 Eastern Ave	Baltimore	MD	21,224.00	CLF, SNAP, TRF	Yes	1
87	Baltimore City	Twin City Grocery	3039 E Monument St	Baltimore	MD	21,205.00	SNAP, TRF	Yes	1
88	Baltimore City	Twin Grocery	801 N Glover St	Baltimore	MD	21,205.00	CLF, SNAP, TRF	Yes	1
89	Baltimore City	Van Market	101 S Potomac St	Baltimore	MD	21,224.00	CLF	<i>No Data</i>	1

10 Miles from Landfill

#	County	Type	Facility_N	ADDRESS	FILL	SITE__ACRE	AI_No_	Owner_Type
1	ANNEARUNDEL	WPT	Curtis Creek PF & TS	23 Stahl Point Road, Baltimore MD 21226.	-	12.80	23,330.00	PRI
2	BALTIMORE	WRF	Honeygo Run Rubble Landfill SE	10710 Philadelphia Road, Perry Hall MD 21128.	77	117.00	20,643.00	PRI
3	BALTIMORE	WPF	Recovermat Mid-Atlantic, LLC PF	2202 Halethorpe Farm Road, Halethorpe MD 21227.	-	8.50	18,296.00	PRI
4	BALTIMORE	WTS	Western Acceptance Facility TS	3310 Transway Road, Halethorpe MD 21227.	6	6.00	10,889.00	CTY
5	BALTIMORECITY	WPT	Baltimore Processing & Transfer Cntr.	5800 Chemical Road, Baltimore MD 21226.	-	15.60	10,299.00	PRI
6	BALTIMORECITY	WPT	Baltimore Recycling Center PF & TS	1030 Edison Highway, Baltimore MD 21213.	-	12.50	63,585.00	PRI
7	BALTIMORECITY	WMI	Baltimore Regional MWI	3200 Hawkins Point Road, Baltimore MD 21226	-	4.00	439.00	PRI
8	BALTIMORECITY	WPT	Daniels Sharp smart PF & TS	6611 Chandlery Street, Baltimore MD 21224	-	1.00	63,950.00	PRI
9	BALTIMORECITY	WIF	Fort Armistead Road-Lot 15 LF	3601 Fort Armistead Road, Baltimore MD 21226.	32	65.00	100,995.00	PRI
10	BALTIMORECITY	WIF	Hawkins Pt. Plant Industrial Waste LF	3901 Fort Armistead Road, Baltimore MD 21226.	30	30.00	22,198.00	PRI
11	BALTIMORECITY	WPF	L & J Processing Facility	222 North Calverton Road, Baltimore MD 21223.	-	1.00	64,649.00	PRI
12	BALTIMORECITY	WTS	Northwest Transfer Station	5030 Reisterstown Road, Baltimore MD 21215.	-	6.60	23,220.00	MUN
13	BALTIMORECITY	WMF	Quarantine Road Municipal LF	6100 Quarantine Road, Baltimore MD 21226.	126	153.00	13,670.00	MUN
14	BALTIMORECITY	WTE	Southwest Resource Recovery	1801 Annapolis Road, Baltimore MD 21230.	-	15.00	472.00	PRI
15	BALTIMORECITY	WPT	Stericycle Medical Waste PF & TS	5901 Chemical Road, Baltimore MD 21226.	-	2.40	8,713.00	PRI
16	BALTIMORECITY	WIF	W.R. Grace & Co. - Conn.	5500 Chemical Road, Baltimore MD 21226.	10.7	157.00	2,102.00	PRI

#	MD_GRID__E	PERMITNUMB	EXPIRATION	Area(mi²)
1	917 /500	2013-WPT-0539	12/18/2018, 7:00 PM	3.14
2	958 /564	2014-WRF-0579A	10/12/2019, 8:00 PM	3.14
3	888 /506	2010-WPF-0341	12/25/2015, 7:00 PM	3.14
4	905 /510	2015-WTS-0599	5/10/2020, 8:00 PM	3.14
5	921 /499	2013-WPT-0627	2/23/2019, 7:00 PM	3.14
6	920 /535	2014-WPT-0631	12/27/2019, 7:00 PM	3.14
7	926 /568	2011-WIN-0036	3/7/2017, 7:00 PM	3.14
8	950 /525	2015-WPT-0633	2/8/2020, 7:00 PM	3.14
9	927/500	2011-WIF-0653	9/25/2018, 8:00 PM	3.14
10	925 /501	2005-WIF-0527A	1/3/2016, 7:00 PM	3.14
11	896/531	2008-WPF-0634	6/28/2016, 8:00 PM	3.14
12	855 /550	2010-WTS-0038	1/16/2016, 7:00 PM	3.14
13	922 /502	2014-WMF-0325	11/8/2019, 7:00 PM	3.14
14	904 /523	2011-WTE-0030	10/5/2016, 8:00 PM	3.14
15	921 /501	2014-WPT-0591	12/9/2019, 7:00 PM	3.14
16	921 /500	2012-WIF-0613	1/29/2017, 7:00 PM	3.14

30 mile buffer (Maryland)

#	Facility_Name_1	Facility_Contact_1	Contact_Phone	Contact_Email_1	Contact_2	Contact_2_Phone	Contact_2_Email	URL	Area(mi²)
1	Bioenergy DEVCO - Maryland Organics Recycling Facility	Vinnie Bevivino	(202) 360-1805	Vbevivino@bioenergydevco.com	Mike Manna	(609) 744-2819	mmanna@bioenergydevco.com	https://www.bioenergydevco.com/maryland-organics-recycling-facility/	3.14
2	Veteran Compost - Aberdeen	Justen Garrity	(443) 584-3478	info@veterancompost.com	No Data	No Data	No Data	https://www.veterancompost.com/	3.14
3	Composting Facility at Alpha Ridge Landfill	Bureau of Environmental Services	(410) 313-6444	No Data	No Data	No Data	No Data	https://www.howardcountymd.gov/public-works/composting-facility	3.14

Land Restoration Facilities

#	Brownfields Master Inventory Number (BMI #). BMI #s are formatted MD####.	Site Name	Other names the site may be known by	Location of Site	City of Site	State of Site	County of Site	Zip code of site	ShapeArea	Count
1	MD0092	Monument Street Landfill	No Data	3500 East Monument Street (Monument Street and Edison Highway)	Baltimore	Maryland	Baltimore City	21205	29.00	1
2	MD0929	Kelco Property	No Data	4020 East Baltimore Street	Baltimore	Maryland	Baltimore City	21224	0.31	1
3	MD0244	F. Bowie Smith & Son, Inc	No Data	4500 East Lombard Street	Baltimore	Maryland	Baltimore City	21224	10.00	1
4	MD1031	Chesapeake Machine	No Data	210 South Janney Street	Baltimore	Maryland	Baltimore City	21224	0.84	1
5	MD1032	Hiken Brothers	No Data	307 South Eaton Street	Baltimore	Maryland	Baltimore City	21224	0.40	1
6	MD0379	East Federal Street Site	No Data	East of 3520 East Federal Street	Baltimore	Maryland	Baltimore City	21213	2.35	1
7	MD1063	Former Southern Can Company	3500 E. Biddle Street	3500 East Biddle Street	Baltimore	Maryland	Baltimore City	21213	22.50	1
8	MD1070	806 North Haven Street	No Data	806 North Haven Street	Baltimore	Maryland	Baltimore City	21205	0.00	1
9	MD0051	Baltimore Steel Drum Corp.	No Data	910 South Kresson Street	Baltimore	Maryland	Baltimore City	21205	0.00	1
10	MD0273	Bruning Paint Co.	Part of South Haven Properties (VCP), Haven Overlook	601 South Haven Street	Baltimore	Maryland	Baltimore City	21224	1.50	1
11	MD0263	Conrail Orangeville Yard	No Data	6000 East Lombard Street/4400 Fayette Street	Baltimore	Maryland	Baltimore City	21224	0.00	1
12	MD1205	Former Esskay Plant	No Data	3800 East Baltimore Street	Baltimore	Maryland	Baltimore City	21224	12.70	1
13	MD0473	Ainsworth Paint Mfg Site	No Data	3200 East Biddle Street	Baltimore	Maryland	Baltimore City	21213	0.00	1
14	MD1238	Pat Blox Property	No Data	807 North Haven Street	Baltimore	Maryland	Baltimore City	21205	7.60	1
15	MD1405	3800 E Biddle Street	Former Continental Can Company; Former Cars Site	3800 East Biddle Street	Baltimore	Maryland	Baltimore City	21202	14.43	1
16	MD1409	Ackerman and Baynes, Inc. Property	4211-4215 Erdman Avenue	4215 Erdman Avenue	Baltimore	Maryland	Baltimore City	21213	3.78	1
17	MD0233	Highlandtown Gas	BGE Highlandtown Substation	3913 Pulaski Highway	Baltimore	Maryland	Baltimore City	21224	5.41	1

18	MD1455	7 Acre AK Steel Parcel	<i>No Data</i>	1120 Edison Highway	Baltimore	Maryland	Baltimore City	21205	6.93	1
19	MD0354	Continental Can Co. - USA Plant #16	Part of 3800 E Biddle Street VCP	3701 Duncanwood Lane	Baltimore	Maryland	Baltimore City	21213	0.00	1
20	MD0106	Armco Baltimore Works	Partially overlaps Former Republic Steet (VCP)	3501 East Biddle Street	Baltimore	Maryland	Baltimore City	21213	14.00	1
21	MD0645	Simpson and Doeller Label Company	East Preston Company; Levinson & Klein Furniture	2827 East Preston Street	Baltimore	Maryland	Baltimore City	21213	1.62	1
22	MD1639	Sinclair and Valentine, L.P.	Flint Ink Corporation	3520 East Federal Street	Baltimore	Maryland	Baltimore City	21213	1.70	1
23	MD1646	1301 Edison Highway	<i>No Data</i>	1301 Edison Highway	Baltimore	Maryland	Baltimore City	21213	15.84	1
24	MD1698	Bea Sharp Cleaners	<i>No Data</i>	2303-9 East Jefferson Street	Baltimore	Maryland	Baltimore City	21205	0.00	1
25	MD1771	Oldham Crossing	<i>No Data</i>	4600 Gough Street, 120 South Oldham Street, 160 South Oldham Street	Baltimore	Maryland	Baltimore City	21224	0.00	1
26	MD1850	Consolidated Dry Cleaners	Arcade Cleaners & Laundry Inc.	3201 Nobel Street	Baltimore	Maryland	Baltimore City	21224	0.00	1
27	MD1876	Spiniello Companies	Former Doracon & Southern Can; Part of Fomer Southern Can Brownfields Site (MD1063)	3500 East Biddle Street	Baltimore	Maryland	Baltimore City	21213	8.00	1
28	MD1879	New Paris Cleaners (Baltimore City)	New Patterson Cleaners	3019 East Baltimore Street	Baltimore	Maryland	Baltimore City	21224	0.00	1
29	MD1133	Former Republic Steel Facility (3501 East Biddle Street and 4100 Ashland Avenue)	BTR Biddle Property; Armco Baltimore Works; Includes Armco, Inc. (MD-106)	3501 East Biddle Street and 4100 Ashland Avenue	Baltimore	Maryland	Baltimore City	21213	40.63	1
30	MD1948	4000 East Monument Street	Bendix Radio Corporation; Rheem Research Products, Inc; Allied Research Products; Allied Metal Finishing Corp. American Plating	4000-4008 East Monument Street	Baltimore	Maryland	Baltimore City	21205	1.45	1
31	MD1964	101 South Ellwood Street	Highlandtown Middle School; Patterson Park Junior HS	101 South Ellwood Street	Baltimore	Maryland	Baltimore City	21224	1.16	1

32	MD1987	1601 Edison Highway	Former Rockland Industries; Pompeian	1601 Edison Highway	Baltimore	Maryland	Baltimore City	21213	22.10	1
33	MD1989	4900 and 5000 East Monument Street	Volunteers of America Chesapeake & Carolinas	4900 and 5000 East Monument Street	Baltimore	Maryland	Baltimore City	21205	0.00	1
34	MD1991	155 Grundy Street and 4020 E. Pratt Street	Highlandtown Plaza Co-op Apartments	155 Grundy Street and 4020 East Pratt Street	Baltimore	Maryland	Baltimore City	21230	0.00	1
35	MD2007	3819 Bank Street	Searfoss, L. Epstein and Sons Inc, 3825 Bank Street; 3904 Eastern Avenue	3819 and 3825 Bank Street and 3904 Eastern Avenue	Baltimore	Maryland	Baltimore City	21224	1.02	1
36	MD2086	Frank C Bocek Park	<i>No Data</i>	3000 East Madison Street	Baltimore	Maryland	Baltimore City	21205	16.50	1
37	MD1849	Chesapeake Chemical Company	3919 East Baltimore Street (original address)	3800 East Lombard Street	Baltimore	Maryland	Baltimore City	21224	0.00	1

Determinations (points)

#	Site Name	Entity receiving the determination from the LRP.	Issue Date	Type of determination issued: NFA (No Further Action), NFRD (No Further Requirements Determination), or COC (Certificate of Completion)	Last inspection date	Indicates whether the determination includes an environmental covenant (EC)	Property has Unrestricted residential use	Property has Restricted residential use	Count
1	Kelco Property	Highlandtown Bakery Facilities, LLC	5/1/2003, 8:00 PM	NFRD	9/10/2017, 8:00 PM	No	No	No	1
2	Former Esskay Plant	Essex Community College Foundation	4/13/1999, 8:00 PM	NFRD	9/10/2017, 8:00 PM	No	No	No	1
3	3800 E Biddle Street	Mayor and City Council of Baltimore City	6/15/2009, 8:00 PM	COC	<i>No Data</i>	No	No	No	1
4	Ackerman and Baynes, Inc. Property	Ackerman and Baynes, Inc.	9/12/2005, 8:00 PM	COC	<i>No Data</i>	No	No	No	1
5	Former Esskay Plant	Maryland Economic Dev. Corp.	12/6/1999, 7:00 PM	NFRD	<i>No Data</i>	No	No	No	1
6	Former Republic Steel Facility (3501 East Biddle Street and 4100 Ashland Avenue)	BTR Biddle, LLC	2/16/2010, 7:00 PM	COC	9/21/2020, 8:00 PM	Yes	No	No	1
7	Ackerman and Baynes, Inc. Property	Richard D. Smith	10/24/2005, 8:00 PM	COC	<i>No Data</i>	No	No	No	1
8	101 South Ellwood Street	KF Patterson Owner, LLC	6/18/2019, 8:00 PM	NFA w/EC	<i>No Data</i>	Yes	No	No	1
9	4000 East Monument Street	MEL Properties, LLC	1/12/2020, 7:00 PM	NFRD	<i>No Data</i>	Yes	No	No	1

Determinations (areas)

#	Site Name	Entity receiving the determination from the LRP.	Issue Date	Type of determination issued: NFA (No Further Action), NFRD (No Further Requirements Determination), or COC (Certificate of Completion)	Last inspection date	Indicates whether the determination includes an environmental covenant (EC)	Property has Unrestricted residential use	Property has Restricted residential use	Area(mi ²)
1	Haven Overlook	Haven Rock, LLC (Townhomes)	11/5/2020, 7:00 PM	NFRD	<i>No Data</i>	Yes	No	Yes	< 0.01
2	Kelco Property	Highlandtown Bakery Facilities, LLC	5/1/2003, 8:00 PM	NFRD	9/10/2017, 8:00 PM	No	No	No	< 0.01
3	Haven Overlook	Haven Rock, LLC (Commercial)	11/5/2020, 7:00 PM	EC Only	<i>No Data</i>	Yes	No	No	< 0.01
4	South Haven Properties	Scott Paint Company, Inc.	11/16/2008, 7:00 PM	NFRD	<i>No Data</i>	Yes	No	No	< 0.01
5	101 South Ellwood Street	KF Patterson Owner, LLC	6/18/2019, 8:00 PM	NFA w/EC	<i>No Data</i>	Yes	No	No	< 0.01
6	4000 East Monument Street	MEL Properties, LLC	1/12/2020, 7:00 PM	NFRD	<i>No Data</i>	Yes	No	No	< 0.01
7	Ackerman and Baynes, Inc. Property	Ackerman and Baynes, Inc.	9/12/2005, 8:00 PM	COC	<i>No Data</i>	No	No	No	< 0.01
8	Ackerman and Baynes, Inc. Property	Richard D. Smith	10/24/2005, 8:00 PM	COC	<i>No Data</i>	No	No	No	< 0.01
9	Former Esskay Plant	Essex Community College Foundation	4/13/1999, 8:00 PM	NFRD	9/10/2017, 8:00 PM	No	No	No	0.01
10	Former Esskay Plant	Maryland Economic Dev. Corp.	12/6/1999, 7:00 PM	NFRD	<i>No Data</i>	No	No	No	0.01
11	3800 E Biddle Street	Mayor and City Council of Baltimore City	6/15/2009, 8:00 PM	COC	<i>No Data</i>	No	No	No	0.02
12	Former Republic Steel Facility (3501 East Biddle Street and 4100 Ashland Avenue)	BTR Biddle, LLC	2/16/2010, 7:00 PM	COC	9/21/2020, 8:00 PM	Yes	No	No	0.07

Entities

#	Brownfields Master Inventory Number (BMI #). This is the site ID number LRP uses to identify sites. BMI #s are formatted MD####.	Site Name	Other names the site may be known by.	Location of Site	City of Site	State of Site	County of Site	Zip code of site
1	MD0092	Monument Street Landfill	No Data	3500 East Monument Street (Monument Street and Edison Highway)	Baltimore	Maryland	Baltimore City	21205
2	MD0929	Kelco Property	No Data	4020 East Baltimore Street	Baltimore	Maryland	Baltimore City	21224
3	MD0244	F. Bowie Smith & Son, Inc	No Data	4500 East Lombard Street	Baltimore	Maryland	Baltimore City	21224
4	MD1031	Chesapeake Machine	No Data	210 South Janney Street	Baltimore	Maryland	Baltimore City	21224
5	MD1032	Hiken Brothers	No Data	307 South Eaton Street	Baltimore	Maryland	Baltimore City	21224
6	MD0379	East Federal Street Site	No Data	East of 3520 East Federal Street	Baltimore	Maryland	Baltimore City	21213
7	MD1063	Former Southern Can Company	3500 E. Biddle Street	3500 East Biddle Street	Baltimore	Maryland	Baltimore City	21213
8	MD1070	806 North Haven Street	No Data	806 North Haven Street	Baltimore	Maryland	Baltimore City	21205
9	MD0051	Baltimore Steel Drum Corp.	No Data	910 South Kresson Street	Baltimore	Maryland	Baltimore City	21205
10	MD0273	Bruning Paint Co.	Part of South Haven Properties (VCP), Haven Overlook	601 South Haven Street	Baltimore	Maryland	Baltimore City	21224
11	MD0263	Conrail Orangeville Yard	No Data	6000 East Lombard Street/4400 Fayette Street	Baltimore	Maryland	Baltimore City	21224
12	MD1238	Pat Blox Property	No Data	807 North Haven Street	Baltimore	Maryland	Baltimore City	21205
13	MD1405	3800 E Biddle Street	Former Continental Can Company; Former Cars Site	3800 East Biddle Street	Baltimore	Maryland	Baltimore City	21202
14	MD0233	Highlandtown Gas	BGE Highlandtown Substation	3913 Pulaski Highway	Baltimore	Maryland	Baltimore City	21224
15	MD1455	7 Acre AK Steel Parcel	No Data	1120 Edison Highway	Baltimore	Maryland	Baltimore City	21205
16	MD0354	Continental Can Co. - USA Plant #16	Part of 3800 E Biddle Street VCP	3701 Duncanwood Lane	Baltimore	Maryland	Baltimore City	21213
17	MD0106	Armco Baltimore Works	Partially overlaps Former Republic Steet (VCP)	3501 East Biddle Street	Baltimore	Maryland	Baltimore City	21213
18	MD0645	Simpson and Doeller Label Company	East Preston Company; Levinson & Klein Furniture	2827 East Preston Street	Baltimore	Maryland	Baltimore City	21213
19	MD1639	Sinclair and Valentine, L.P.	Flint Ink Corporation	3520 East Federal Street	Baltimore	Maryland	Baltimore City	21213
20	MD1646	1301 Edison Highway	No Data	1301 Edison Highway	Baltimore	Maryland	Baltimore City	21213

21	MD1698	Bea Sharp Cleaners	<i>No Data</i>	2303-9 East Jefferson Street	Baltimore	Maryland	Baltimore City	21205
22	MD1771	Oldham Crossing	<i>No Data</i>	4600 Gough Street, 120 South Oldham Street, 160 South Oldham Street	Baltimore	Maryland	Baltimore City	21224
23	MD1850	Consolidated Dry Cleaners	Arcade Cleaners & Laundry Inc.	3201 Nobel Street	Baltimore	Maryland	Baltimore City	21224
24	MD1876	Spiniello Companies	Former Doracon & Southern Can; Part of Fomer Southern Can Brownfields Site (MD1063)	3500 East Biddle Street	Baltimore	Maryland	Baltimore City	21213
25	MD1879	New Paris Cleaners (Baltimore City)	New Patterson Cleaners	3019 East Baltimore Street	Baltimore	Maryland	Baltimore City	21224
26	MD1133	Former Republic Steel Facility (3501 East Biddle Street and 4100 Ashland Avenue)	BTR Biddle Property; Armco Baltimore Works; Includes Armco, Inc. (MD-106)	3501 East Biddle Street and 4100 Ashland Avenue	Baltimore	Maryland	Baltimore City	21213
27	MD1948	4000 East Monument Street	Bendix Radio Corporation; Rheem Research Products, Inc; Allied Research Products; Allied Metal Finishing Corp. American Plating	4000-4008 East Monument Street	Baltimore	Maryland	Baltimore City	21205
28	MD1964	101 South Ellwood Street	Highlandtown Middle School; Patterson Park Junior HS	101 South Ellwood Street	Baltimore	Maryland	Baltimore City	21224
29	MD1987	1601 Edison Highway	Former Rockland Industries; Pompeian	1601 Edison Highway	Baltimore	Maryland	Baltimore City	21213
30	MD1989	4900 and 5000 East Monument Street	Volunteers of America Chesapeake & Carolinas	4900 and 5000 East Monument Street	Baltimore	Maryland	Baltimore City	21205
31	MD1991	155 Grundy Street and 4020 E. Pratt Street	Highlandtown Plaza Co-op Apartments	155 Grundy Street and 4020 East Pratt Street	Baltimore	Maryland	Baltimore City	21230
32	MD2086	Frank C Bocek Park	<i>No Data</i>	3000 East Madison Street	Baltimore	Maryland	Baltimore City	21205
33	MD1849	Chesapeake Chemical Company	3919 East Baltimore Street (original address)	3800 East Lombard Street	Baltimore	Maryland	Baltimore City	21224
34	MD1205	Former Esskay Plant	<i>No Data</i>	3800 East Baltimore Street	Baltimore	Maryland	Baltimore City	21224
35	MD0473	Ainsworth Paint Mfg Site	<i>No Data</i>	3200 East Biddle Street	Baltimore	Maryland	Baltimore City	21213
36	MD1409	Ackerman and Baynes, Inc. Property	4211-4215 Erdman Avenue	4215 Erdman Avenue	Baltimore	Maryland	Baltimore City	21213
37	MD2007	3819 Bank Street	Searfoss, L. Epstein and Sons Inc, 3825 Bank Street; 3904 Eastern Avenue	3819 and 3825 Bank Street and 3904 Eastern Avenue	Baltimore	Maryland	Baltimore City	21224

#	Area of site in acres	File Available Electronically. Please note that a PIA request must be completed to review LRP files. In addition, only a portion of a file may be available electronically.	Provides a link to the fact sheet for the property.	Count
1	29.00	Yes	Fact Sheet Not Available.	1
2	0.31	No	https://mde.maryland.gov/programs/land/MarylandBrownfieldVCP/Documents/www.mde.state.md.us/assets/document/Kelco.pdf	1
3	10.00	No	https://mde.maryland.gov/programs/land/MarylandBrownfieldVCP/Documents/www.mde.state.md.us/assets/document/Brownfields/F_Bowie_Smith.pdf	1
4	0.84	No	Fact Sheet Not Available.	1
5	0.40	No	Fact Sheet Not Available.	1
6	2.35	No	Fact Sheet Not Available.	1
7	22.50	No	https://mde.maryland.gov/programs/land/MarylandBrownfieldVCP/Documents/www.mde.state.md.us/assets/document/Brownfields/Former_Southern_Can_Company.pdf	1
8	0.00	No	Fact Sheet Not Available.	1
9	0.00	No	https://mde.maryland.gov/programs/land/MarylandBrownfieldVCP/Documents/www.mde.state.md.us/assets/document/Brownfields/Baltimore_Steel_Drum.pdf	1
10	1.50	No	http://mde.maryland.gov/programs/Land/MarylandBrownfieldVCP/Documents/www.mde.state.md.us/assets/document/South%20Haven(1).pdf	1
11	0.00	No	https://mde.maryland.gov/programs/land/MarylandBrownfieldVCP/Documents/Conrail%20Orangeville%20Yard.pdf	1
12	7.60	No	Fact Sheet Not Available.	1
13	14.43	No	https://mde.maryland.gov/programs/LAND/MarylandBrownfieldVCP/Documents/www.mde.state.md.us/assets/document/brownfields/3800_E_Biddle.pdf	1
14	5.41	No	https://mde.maryland.gov/programs/land/MarylandBrownfieldVCP/Documents/www.mde.state.md.us/assets/document/Brownfields/Highlandtown_Gas.pdf	1
15	6.93	No	Fact Sheet Not Available.	1
16	0.00	No	Fact Sheet Not Available.	1
17	14.00	No	https://mde.maryland.gov/programs/land/MarylandBrownfieldVCP/Documents/www.mde.state.md.us/assets/document/Brownfields/Armco_Inc_Baltimore_Works.pdf	1
18	1.62	No	https://mde.maryland.gov/programs/LAND/MarylandBrownfieldVCP/Documents/Simpson%20-%20Doeller.pdf	1
19	1.70	Yes	Fact Sheet Not Available.	1
20	15.84	No	Fact Sheet Not Available.	1
21	0.00	No	Fact Sheet Not Available.	1
22	0.00	No	Fact Sheet Not Available.	1
23	0.00	No	Fact Sheet Not Available.	1

24	8.00	No	https://mde.maryland.gov/programs/land/MarylandBrownfieldVCP/Documents/www.mde.state.md.us/assets/document/Brownfields/Former_Southern_Can_Company.pdf	1
25	0.00	No	Fact Sheet Not Available.	1
26	40.63	No	Fact Sheet Not Available.	1
27	1.45	Yes	Fact Sheet Not Available.	1
28	1.16	No	Fact Sheet Not Available.	1
29	22.10	No	Fact Sheet Not Available.	1
30	0.00	No	Fact Sheet Not Available.	1
31	0.00	No	Fact Sheet Not Available.	1
32	16.50	No	Fact Sheet Not Available.	1
33	0.00	Yes	Fact Sheet Not Available.	1
34	12.70	Yes	https://mde.maryland.gov/programs/land/MarylandBrownfieldVCP/Documents/www.mde.state.md.us/assets/document/Brownfields/Esskay.pdf	2
35	0.00	No	https://mde.maryland.gov/programs/LAND/MarylandBrownfieldVCP/Documents/Ainsworth.pdf	2
36	3.78	No	https://mde.maryland.gov/programs/LAND/MarylandBrownfieldVCP/Documents/www.mde.state.md.us/assets/document/brownfields/Ackerman_Baynes.pdf	2
37	1.02	No	Fact Sheet Not Available.	2

All Permitted Solid Waste Acceptance Facilities

#	county	AI_ID	master_ai_name	Facility_Type	OwnerType	permit_number	ai_physical_address	permit_class	Count
1	Baltimore City	63,585	Baltimore Recycling Center LLC	Processing Facility & Transfer Station	Private (Commercial)	2019-WPT-0690	1030 Edison Hwy, Baltimore, MD 21213	New	1

Wastewater Discharge Facilities

#	AID	FAC_NAME	Comments	ValidateCo	GIS_Action	GIS_Comments	Corrective	ZipCodeCom
1	8,134	Patterson Park Boat Lake	No Data	Data Verified Accurate Against Parcel Data	No Data	No Data	No Data	No Data
2	0	PETROLEUM FUEL AND TERMINAL - ERDMAN AVE	No Data	Data Verified Accurate Against MD 8 Digit Watershed	No Data	No Data	No Data	No Data
3	0	ROWEN CONCRETE, INC.	No Data	Data Verified Accurate Based Upon Follow Up Research By MDE	No Data	No Data	No Data	No Data
4	0	EDISON HIGHWAY RECYCLING FACILITY	No Data	Data Verified Accurate Based Upon Follow Up Research By MDE	No Data	No Data	No Data	No Data
5	0	ROWEN CONCRETE, INC.	No Data	Data Verified Accurate Against MD 8 Digit Watershed	No Data	No Data	No Data	No Data
6	22,064	Falls Grove at Riva Trace	No Data	Data Verified Accurate Against MD 8 Digit Watershed	No Data	No Data	No Data	No Data
7	31,481	Rowen Concrete, Inc.	No Data	Watershed Number Difference	No Data	No Data	Parcel sits in two watersheds. Moved point to correct watershed.	No Data
8	10,156	Patuxent Materials, Inc.-Edison Hwy Recycle Plant	No Data	Watershed Number Difference	No Data	No Data	Moved to correct parcel within correct watershed.	Moved to correct parcel in zip code provided.

#	CBSEG_92	BAY_TRIB	MD12DIG	County	MDMajorTrib	HUC	Tier2Catchments_yn	Tier2Catchments
1	PATMH	02130903	021309031010	3	4	020600031203	0	No Data
2	BACOH	02130901	021309011041	3	4	020600030702	0	No Data
3	BACOH	02130901	021309011041	3	4	020600030702	0	No Data
4	PATMH	02130903	021309031010	3	4	020600031203	0	No Data
5	BACOH	02130901	021309011041	3	4	020600030702	0	No Data
6	PATMH	02130903	021309031010	3	4	020600031203	0	No Data
7	BACOH	02130901	021309011041	3	4	020600030702	0	No Data
8	PATMH	02130903	021309031010	3	4	020600030702	0	No Data

#	Tier3Catchments_yn	Tier3Catchments	SSPRA_yn	SSPRA	Impaired_yn	Impaired	WQA_yn	WQA
1	0	No Data	0	No Data	1	Pesticides, Nutrients(Nitrogen, Phosphorous), Trash, Sediments, Metals, Biological, PCB, Bacteria, (DO)	1	Metals
2	0	No Data	0	No Data	1	Ions, Sediments, Bacteria, Stream Modification, Habitat	0	No Data
3	0	No Data	0	No Data	1	Ions, Sediments, Stream Modification, Habitat	0	No Data
4	0	No Data	0	No Data	1	Ions, Sediments, Bacteria, Stream Modification, Habitat	0	No Data
5	0	No Data	0	No Data	1	Sediments, Stream Modification, Habitat, Ions	0	No Data
6	0	No Data	0	No Data	1	Bacteria, Sediments, Stream Modification, Habitat, Ions	0	No Data
7	0	No Data	0	No Data	1	Habitat, Ions, Sediments, Stream Modification	0	No Data
8	0	No Data	0	No Data	1	Stream Modification, Habitat, Ions, Sediments, Bacteria	0	No Data

#	T3038Dig_yn	T3038Dig	TMDL8Dig_yn	TMDL8Dig	MHTArcheo_yn	MHTArcheo	Facility_Type	State_Num
1	1	Trash, Metals, Biological, Bacteria	1	Pesticides, Nutrients(Nitrogen, Phosphorous), Sediments, PCB, (DO)	0	No Data	No Data	No Data
2	1	Ions, Sediments	1	Bacteria	0	No Data	No Data	No Data
3	1	Ions, Sediments	0	No Data	0	No Data	No Data	No Data
4	1	Ions, Sediments	1	Bacteria	0	No Data	No Data	No Data
5	1	Sediments, Ions	0	No Data	0	No Data	No Data	No Data
6	1	Sediments, Ions	1	Bacteria	0	No Data	No Data	No Data
7	1	Ions, Sediments	0	No Data	0	No Data	No Data	No Data
8	1	Ions, Sediments	1	Bacteria	0	No Data	No Data	No Data

#	WatershedYear	WatershedQuarter	WatershedCode	WatershedName	SimplePermittingAction	PermitAge	CycleYear	PreDraftComplete
1	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
2	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
3	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
4	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
5	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
6	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
7	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
8	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

#	DatePreDraftComplete	DraftPermitCompleteBy	IssueBy	AppFee	Bill	Amount	DSCHG_RATE	SW_AUTH_ROD
1	No Data	No Data	No Data	No Data	0	0.00	0.00	0
2	No Data	No Data	No Data	No Data	0	0.00	0.00	0
3	No Data	No Data	No Data	No Data	0	0.00	0.00	0
4	No Data	No Data	No Data	No Data	0	0.00	0.00	0
5	No Data	No Data	No Data	No Data	0	0.00	0.00	0
6	No Data	No Data	No Data	No Data	0	0.00	0.00	0
7	No Data	No Data	No Data	No Data	0	0.00	0.00	0
8	No Data	No Data	No Data	No Data	0	0.00	0.00	0

#	P2_OR_C_Bay_2000	District	SurWellName	SurWellSource	SurWellDist	CommWellName	CommWellSource	CommWellDist
1	0	46	No Data	No Data	-99.00	No Data	No Data	-99.00
2	0	45	No Data	No Data	-99.00	No Data	No Data	-99.00
3	0	46	No Data	No Data	-99.00	No Data	No Data	-99.00
4	0	45	No Data	No Data	-99.00	No Data	No Data	-99.00
5	0	46	No Data	No Data	-99.00	No Data	No Data	-99.00
6	0	46	No Data	No Data	-99.00	No Data	No Data	-99.00
7	0	46	No Data	No Data	-99.00	No Data	No Data	-99.00
8	0	45	No Data	No Data	-99.00	No Data	No Data	-99.00

#	CommWellProtect	Active	Include	ManualActive	Count
1	0	0	1	0	1
2	0	0	1	0	1
3	0	0	1	0	1
4	0	0	1	0	1
5	0	0	1	0	1
6	0	0	1	1	1
7	0	1	1	1	1
8	0	0	1	1	1

Schuster Concrete

3717 Crondall Lane
P.O. Box 517
Owings Mills, Maryland 21117
410-363-9620 - Admin Offices
Toll Free: 1-87-Schuster - Dispatch/Orders
www.schusterconcrete.com

November 6, 2023

Maryland Department of the Environment
Air and Radiation Management Administration
Air Quality Permits Program
1800 Washington Blvd
Baltimore, MD 21230

Dear MDE Representative:

Included with this letter is an Application for Processing/Manufacturing Equipment. This application is for a permit to construct to install concrete crushing equipment at 3625 East Monument St, Baltimore, MD 21205.

If you have any questions, please contact me at 443-821-6953

Sincerely,

Noah Harmon
Environmental Administrator



AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

OWNER OF EQUIPMENT/PROCESS	
COMPANY NAME:	Schuster Concrete Ready Mix LLC
COMPANY ADDRESS:	3713 Crondall Lane, Owings Mills, MD 21117
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Schuster Concrete Ready Mix LLC - Monument Street Plant
PREMISES ADDRESS:	3625 East Monument Street, Baltimore, MD 21205
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Noah Harmon
JOB TITLE:	Environmental Administrator
PHONE NUMBER:	410-363-9620
EMAIL ADDRESS:	nharmonschusterconcrete.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
Concrete reprocessing	

Application is hereby made to the Department of the Environment for a Permit to Construct for the following equipment or process as required by the State of Maryland Air Quality Regulation, COMAR 26.11.02.09.

Check each item that you have submitted as part of your application package.

- Application package cover letter describing the proposed project
- Complete application forms (Note the number of forms included or NA if not applicable.)

No. <u> 1 </u> Form 5	No. <u> NA </u> Form 11
No. <u> NA </u> Form 5T	No. <u> NA </u> Form 41
No. <u> NA </u> Form 5EP	No. <u> NA </u> Form 42
No. <u> NA </u> Form 6	No. <u> NA </u> Form 44
No. <u> NA </u> Form 10	
- Vendor/manufacturer specifications/guarantees
- Evidence of Workman's Compensation Insurance
- Process flow diagrams with emission points
- Site plan including the location of the proposed source and property boundary
- Material balance data and all emissions calculations
- Material Safety Data Sheets (MSDS) or equivalent information for materials processed and manufactured.
- Certificate of Public Convenience and Necessity (CPCN) waiver documentation from the Public Service Commission ⁽¹⁾
- Documentation that the proposed installation complies with local zoning and land use requirements ⁽²⁾

(1) Required for emergency and non-emergency generators installed on or after October 1, 2001 and rated at 2001 kW or more.

(2) Required for applications subject to Expanded Public Participation Requirements.

APPLICATION FOR FUEL BURNING EQUIPMENT

Information Regarding Public Outreach

For Air Quality Permit to Construct applications subject to public review, applicants should consider the following information in the initial stages of preparing a permit application.

If you are not sure at the time you are applying for a permit whether public review of your application is required or for information on steps you can take to engage the surrounding community where your planned project will be located, please contact the Air Quality Permits Program at 410-537-3225 and seek their advice.

Communicating and engaging the local community as early as possible in your planning and development process is an important aspect of your project and should be considered a priority. Environmental Justice or "EJ" is a movement to inform, involve, and engage communities impacted by potential and planned environmental projects by affording citizens opportunities to learn about projects and discuss any concerns regarding impacts.

Although some permit applications are subject to a formal public review process prescribed by statute, the Department strongly encourages you to engage neighboring communities separate from and well ahead of the formal permitting process. Sharing your plans by way of community meetings, informational outreach at local gatherings or through local faith-based organizations can initiate a rewarding and productive dialogue that will reduce anxiety and establish a permanent link with your neighbors in the community.

All parties benefit when there is good communication. The Department can assist applicants in developing an outreach plan that fits the needs of both the company and the public.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd ▪ Baltimore, Maryland 21230
(410) 537-3230 ▪ 1-800-633-6101 ▪ www.mde.state.md.us

Air and Radiation Management Administration ▪ Air Quality Permits Program

APPLICATION FOR PROCESSING/MANUFACTURING EQUIPMENT

Permit to Construct Registration Update Initial Registration

1A. Owner of Equipment/Company Name

Schuster Concrete Ready Mix LLC

Mailing Address

3713 Crondall Lane

Street Address

Owings Mills

MD

21117

City

State

Zip

Telephone Number

(443) 738-9921

Signature

Jay Harman

Manager

Jay Harman

Print Name and Title

DO NOT WRITE IN THIS BLOCK
2. REGISTRATION NUMBER

County No.

1-2

Premises No.

3-6

Registration Class

7

Equipment No.

8-11

Data Year

12-13

Application Date

11-6-23

Date

1B. Equipment Location and Telephone Number (if different from above)

3625 East Monument Street

Street Number and Street Name

Baltimore

MD

21205

City/Town

State

Zip

()

Telephone Number

Premises Name (if different from above)

3. Status (A= New, B= Modification to Existing Equipment, C= Existing Equipment)

Status

New Construction
Begun (MM/YY)

New Construction
Completed (MM/YY)

Existing Initial
Operation (MM/YY)

A

15

2 3

16-19

20-23

20-23

4. Describe this Equipment: Make, Model, Features, Manufacturer (include Maximum Hourly Input Rate, etc.)

2014 Powerscreen Metrotrak HA Serial # OMO54280

5. Workmen's Compensation Coverage

015630632

3/31/2022

Company

New Hampshire Insurance Company

Binder/Policy Number

Expiration Date

NOTE: Before a Permit to Construct may be issued by the Department, the applicant must provide the Department with proof of worker's compensation coverage as required under Section 1-202 of the Worker's Compensation Act.

6A. Number of Pieces of Identical Equipment Units to be Registered/Permitted at this Time 0

6B. Number of Stack/Emission Points Associated with this Equipment 1

7. Person Installing this Equipment (if different from Number 1 on Page 1)

Name Same as above Title _____

Company _____

Mailing Address/Street _____

City/Town _____ State _____ Telephone (____) _____

8. Major Activity, Product or Service of Company at this Location

The production and distribution of concrete. This crusher will be utilized for the crushing of waste concrete for re-use.

9. Control Devices Associated with this Equipment

None

24-0

Simple/Multiple Cyclone	Spray/Adsorb Tower	Venturi Scrubber	Carbon Adsorber	Electrostatic Precipitator	Baghouse	Thermal/Catalytic Afterburner	Dry Scrubber
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24-1	24-2	24-3	24-4	24-5	24-6	24-7	24-8

Other

Describe _____
24-9

10. Annual Fuel Consumption for this Equipment

OIL-1000 GALLONS	SULFUR %	GRADE	NATURAL GAS-1000 FT ³	LP GAS-100 GALLONS	GRADE
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
26-31	32-33	34	35-41	42-45	
COAL- TONS	SULFUR %	ASH%	WOOD-TONS	MOISTURE %	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
46-52	53-55	56-58	59-63	64-65	
OTHER FUELS	<input type="text"/>	ANNUAL AMOUNT CONSUMED	OTHER FUEL	<input type="text"/>	ANNUAL AMOUNT CONSUMED
Off-Road Diesel	66-1	5000 gallons	(Specify Type)	66-2	(Specify Units of Measure)
(Specify Type)		(Specify Units of Measure)			

1= Coke 2= COG 3=BFG 4=Other

11. Operating Schedule (for this Equipment)

Continuous Operation	Batch Process	Hours per Batch	Batch per Week	Hours per Day	Days Per Week	Days per Year
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
67-1	67-2	68-69		70-71	72	73-75
Seasonal Variation in Operation:						(Total Seasons= 100%)
No Variation	Winter Percent	Spring Percent	Summer Percent	Fall Percent		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
76	77-78	79-80	81-82	83-84		

12. Equivalent Stack Information- is Exhaust through Doors, Windows, etc. Only? (Y/N)

N

85

If not, then

Height Above Ground (FT)

Inside Diameter at Top

Exit Temperature (°F)

Exit Velocity (FT/SEC)

	10'	3"
--	-----	----

86-88

		4"
--	--	----

89-91

	4	5	0
--	---	---	---

92-95

--	--	--

96-98

NOTE:

Attach a block diagram of process/process line, indicating new equipment as reported on this form and all existing equipment, including control devices and emission points.

13. Input Materials (for this equipment only)

Is any of this data to be considered confidential? N (Y or N)

NAME	CAS NO. (IF APPLICABLE)	PER HOUR	INPUT RATE		UNITS
			UNITS	PER YEAR	
1. Concrete (Waste)		2.5	tons	10000	tons
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					

TOTAL

14. Output Materials (for this equipment)

Process/Product Stream

NAME	CAS NO. (IF APPLICABLE)	PER HOUR	OUTPUT RATE		UNITS
			UNITS	PER YEAR	
1. Concrete (Crushed)		2.5	tons	10000	tons
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					

TOTAL

15. Waste Streams- Solid and Liquid

NAME	CAS NO. (IF APPLICABLE)	PER HOUR	OUTPUT RATE		UNITS
			UNITS	PER YEAR	
1. None					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					

TOTAL

16. Total Stack Emissions (for this equipment only) in Pounds Per Operating Day

Particulate Matter
 0 .05

99-104

Oxides of Sulfur
 3

105-110

Oxides of Nitrogen
 5

111-116

Carbon Monoxide
 1 0

177-122

Volatile Organic Compounds
 0 .5

123-128

PM-10
 0 .05

129-134

17. Total Fugitive Emissions (for this equipment only) in Pounds Per Operating Day

Particulate Matter
 0

135-139

Oxides of Sulfur
 0

140-144

Oxides of Nitrogen
 0

145-149

Carbon Monoxide
 0

150-154

Volatile Organic Compounds
 0

155-159

PM-10
 0

160-164

Method Used to Determine Emissions (1= Estimate 2= Emission Factor 3= Stack Test 4= Other)

TSP
 1

165

SOX
 1

166

NOX
 1

167

CO
 1

168

VOC
 1

169

PM10
 1

170

AIR AND RADIATION MANAGEMENT ADMINISTRATION USE ONLY

18. Date Rec'd. Local

Date Rec'd. State

Return to Local Jurisdiction

Date _____ By _____

Reviewed by Local Jurisdiction

Date _____ By _____

Reviewed by State

Date _____ By _____

19. Inventory Date

Month/Year

171-174

Equipment Code

175-177

SCC Code

178-185

20. Annual

Maximum Design

Permit to Operate

Transaction Date

Operating Rate

Hourly Rate

Month

(MM/DD/YR)

186-192

193-199

200-201

202-207

Staff Code

208-210

VOC Code

211 212

SIP Code

213 214

Regulation Code

215-218

Confidentiality

219

Point Description

220-238

Action

A: Add
C: Change

239



AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

OWNER OF EQUIPMENT/PROCESS	
COMPANY NAME:	
COMPANY ADDRESS:	
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	
PREMISES ADDRESS:	
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	
JOB TITLE:	
PHONE NUMBER:	
EMAIL ADDRESS:	
DESCRIPTION OF EQUIPMENT OR PROCESS	

Application is hereby made to the Department of the Environment for a Permit to Construct for the following equipment or process as required by the State of Maryland Air Quality Regulation, COMAR 26.11.02.09.

Check each item that you have submitted as part of your application package.

- Application package cover letter describing the proposed project
- Complete application forms (Note the number of forms included or NA if not applicable.)

No. _____ Form 5	No. _____ Form 11
No. _____ Form 5T	No. _____ Form 41
No. _____ Form 5EP	No. _____ Form 42
No. _____ Form 6	No. _____ Form 44
No. _____ Form 10	
- Vendor/manufacturer specifications/guarantees
- Evidence of Workman's Compensation Insurance
- Process flow diagrams with emission points
- Site plan including the location of the proposed source and property boundary
- Material balance data and all emissions calculations
- Material Safety Data Sheets (MSDS) or equivalent information for materials processed and manufactured.
- Certificate of Public Convenience and Necessity (CPCN) waiver documentation from the Public Service Commission ⁽¹⁾
- Documentation that the proposed installation complies with local zoning and land use requirements ⁽²⁾

⁽¹⁾ Required for emergency and non-emergency generators installed on or after October 1, 2001 and rated at 2001 kW or more.

⁽²⁾ Required for applications subject to Expanded Public Participation Requirements.

APPLICATION FOR FUEL BURNING EQUIPMENT

Information Regarding Public Outreach

For Air Quality Permit to Construct applications subject to public review, applicants should consider the following information in the initial stages of preparing a permit application.

If you are not sure at the time you are applying for a permit whether public review of your application is required or for information on steps you can take to engage the surrounding community where your planned project will be located, please contact the Air Quality Permits Program at 410-537-3225 and seek their advice.

Communicating and engaging the local community as early as possible in your planning and development process is an important aspect of your project and should be considered a priority. Environmental Justice or "EJ" is a movement to inform, involve, and engage communities impacted by potential and planned environmental projects by affording citizens opportunities to learn about projects and discuss any concerns regarding impacts.

Although some permit applications are subject to a formal public review process prescribed by statute, the Department strongly encourages you to engage neighboring communities separate from and well ahead of the formal permitting process. Sharing your plans by way of community meetings, informational outreach at local gatherings or through local faith-based organizations can initiate a rewarding and productive dialogue that will reduce anxiety and establish a permanent link with your neighbors in the community.

All parties benefit when there is good communication. The Department can assist applicants in developing an outreach plan that fits the needs of both the company and the public.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd ▪ Baltimore, Maryland 21230
(410) 537-3230 ▪ 1-800-633-6101 ▪ www.mde.state.md.us

Air and Radiation Management Administration ▪ Air Quality Permits Program

APPLICATION FOR PROCESSING/MANUFACTURING EQUIPMENT

Permit to Construct Registration Update Initial Registration

1A. Owner of Equipment/Company Name

Mailing Address

Street Address

City State Zip

Telephone Number

()

Signature

Print Name and Title

Date

1B. Equipment Location and Telephone Number (if different from above)

Street Number and Street Name

City/Town State Zip Telephone Number ()

Premises Name (if different from above)

3. Status (A= New, B= Modification to Existing Equipment, C= Existing Equipment)

Status	New Construction Begun (MM/YY)	New Construction Completed (MM/YY)	Existing Initial Operation (MM/YY)
<input type="text" value="C"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
15	16-19	20-23	20-23

4. Describe this Equipment: Make, Model, Features, Manufacturer (include Maximum Hourly Input Rate, etc.)

2013 Chieftain Metrotrack 1400

5. Workmen's Compensation Coverage 015630632

3/15/23

Binder/Policy Number

Expiration Date

Company New Hampshire Insurance Co.

NOTE: Before a Permit to Construct may be issued by the Department, the applicant must provide the Department with proof of worker's compensation coverage as required under Section 1-202 of the Worker's Compensation Act.

6A. Number of Pieces of Identical Equipment Units to be Registered/Permitted at this Time

6B. Number of Stack/Emission Points Associated with this Equipment 1

DO NOT WRITE IN THIS BLOCK
2. REGISTRATION NUMBER

County No.		Premises No.			
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1-2		3-6			
Registration Class		Equipment No.			
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
7		8-11			
Data Year		Application Date			
<input type="text"/>	<input type="text"/>	<input type="text"/>			
12-13					

7. Person Installing this Equipment (if different from Number 1 on Page 1)

Name _____ Title _____

Company _____

Mailing Address/Street _____

City/Town _____ State _____ Telephone (____) _____

8. Major Activity, Product or Service of Company at this Location

9. Control Devices Associated with this Equipment

None

24-0

Simple/Multiple Cyclone

24-1

Spray/Adsorb Tower

24-2

Venturi Scrubber

24-3

Carbon Adsorber

24-4

Electrostatic Precipitator

24-5

Baghouse

24-6

Thermal/Catalytic Afterburner

24-7

Dry Scrubber

24-8

Other

Describe _____

24-9

10. Annual Fuel Consumption for this Equipment

OIL-1000 GALLONS

26-31

SULFUR %

32-33

GRADE

34

NATURAL GAS-1000 FT³

35-41

LP GAS-100 GALLONS

42-45

GRADE

COAL - TONS

46-52

SULFUR %

53-55

ASH%

56-58

WOOD-TONS

59-63

MOISTURE %

64-65

OTHER FUELS

ANNUAL AMOUNT CONSUMED

(Specify Type)

66-1

(Specify Units of Measure)

OTHER FUEL

ANNUAL AMOUNT CONSUMED

(Specify Type)

66-2

(Specify Units of Measure)

1=Coke 2= COG 3=BFG 4=Other

11. Operating Schedule (for this Equipment)

Continuous Operation

67-1

Batch Process

67-2

Hours per Batch

68-69

Batch per Week

69-70

Hours per Day

70-71

Days Per Week

72

Days per Year

73-75

Seasonal Variation in Operation:

No Variation

76

Winter Percent

77-78

Spring Percent

79-80

Summer Percent

81-82

Fall Percent

83-84

(Total Seasons= 100%)



12. Equivalent Stack Information- is Exhaust through Doors, Windows, etc. Only? (Y/N)

N

85

If not, then

Height Above Ground (FT)

Inside Diameter at Top

Exit Temperature (°F)

Exit Velocity (FT/SEC)

	15'	
--	-----	--

86-88

	42.5"	
--	-------	--

89-91

	4	5	0
--	---	---	---

92-95

--	--	--

96-98

NOTE:

Attach a block diagram of process/process line, indicating new equipment as reported on this form and all existing equipment, including control devices and emission points.

13. Input Materials (for this equipment only)

Is any of this data to be considered confidential? N (Y or N)

	NAME	CAS NO. (IF APPLICABLE)	PER HOUR	INPUT RATE		UNITS
				UNITS	PER YEAR	
1.	Concrete Waste		13	tons	17000	tons
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						

TOTAL

14. Output Materials (for this equipment)

Process/Product Stream

	NAME	CAS NO. (IF APPLICABLE)	PER HOUR	OUTPUT RATE		UNITS
				UNITS	PER YEAR	
1.	Concrete Waste		13	tons	17000	tons
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						

TOTAL

15. Waste Streams- Solid and Liquid

	NAME	CAS NO. (IF APPLICABLE)	PER HOUR	OUTPUT RATE		UNITS
				UNITS	PER YEAR	
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						

TOTAL

16. Total Stack Emissions (for this equipment only) in Pounds Per Operating Day

Particulate Matter [][][][][][] .05 99-104	Oxides of Sulfur [][][][][][] 3 105-110	Oxides of Nitrogen [][][][][][] 5 111-116
Carbon Monoxide [][][][][][] 1 0 177-122	Volatile Organic Compounds [][][][][][] .5 123-128	PM-10 [][][][][][] .05 129-134

17. Total Fugitive Emissions (for this equipment only) in Pounds Per Operating Day

Particulate Matter [][][][][][] 0 135-139	Oxides of Sulfur [][][][][][] 0 140-144	Oxides of Nitrogen [][][][][][] 0 145-149
Carbon Monoxide [][][][][][] 0 150-154	Volatile Organic Compounds [][][][][][] 0 155-159	PM-10 [][][][][][] 0 160-164

Method Used to Determine Emissions (1= Estimate 2= Emission Factor 3= Stack Test 4= Other)

TSP [] 1 165	SOX [] 1 166	NOX [] 1 167	CO [] 1 168	VOC [] 1 169	PM10 [] 1 170
---------------------	---------------------	---------------------	--------------------	---------------------	----------------------

AIR AND RADIATION MANAGEMENT ADMINISTRATION USE ONLY

18. Date Rec'd. Local _____	Date Rec'd. State _____	Return to Local Jurisdiction Date _____ By _____
Reviewed by Local Jurisdiction Date _____ By _____	Reviewed by State Date _____ By _____	

19. Inventory Date [][][][][][] 171-174	Month/Year [][][][][][] 175-177	Equipment Code [][][][][][] 178-185	SCC Code [][][][][][][][][][] 178-185
--	--	--	--

20. Annual Operating Rate [][][][][][][][][][] 186-192	Maximum Design Hourly Rate [][][][][][][][][][] 193-199	Permit to Operate Month [][][][][][] 200-201	Transaction Date (MM/DD/YR) [][][][][][][][][][] 202-207
---	--	---	---

Staff Code [][][][][][] 208-210	VOC Code [][][][][][] 211 212	SIP Code [][][][][][] 213 214	Regulation Code [][][][][][][][][][] 215-218	Confidentiality [][][][][][] 219
Point Description [] 220-238				Action [] A: Add [] C: Change 239

MARYLAND DEPARTMENT OF THE ENVIRONMENT
 Air and Radiation Management Administration • Air Quality Permits Program
 1800 Washington Boulevard • Baltimore, Maryland 21230
 (410)537-3225 • 1-800-633-6101 • www.mde.maryland.gov

FORM 5T: Toxic Air Pollutant (TAP) Emissions Summary and Compliance Demonstration

Applicant Name: _____

Step 1: Quantify premises-wide emissions of Toxic Air Pollutants (TAP) from new and existing installations in accordance with COMAR 26.11.15.04. Attach supporting documentation as necessary.

Toxic Air Pollutant (TAP)	CAS Number	Class I or Class II?	Screening Levels ($\mu\text{g}/\text{m}^3$)			Estimated Premises Wide Emissions of TAP			
						Actual Total Existing TAP Emissions	Projected TAP Emissions from Proposed Installation	Premises Wide Total TAP Emissions	
			1-hour	8-hour	Annual	(lb/hr)	(lb/hr)	(lb/hr)	(lb/yr)
<i>ex. ethanol</i>	3763722	II	N/A	574	N/A	0.60	0.15	0.75	1500
<i>ex. benzene</i>	71432	I	80	16	0.13	0.5	0.75	1.00	400

(attach additional sheets as necessary.)

Note: Screening levels can be obtained from the Department's website (<http://www.mde.maryland.gov>) or by calling the Department.

Step 2: Determine which TAPs are exempt from further review. A TAP that meets either of the following Class I or Class II small quantity emitter exemptions is exempt from further TAP compliance demonstration requirements under Step 3 and Step 4.

Class II TAP Small Quantity Emitter Exemption Requirements (COMAR 26.11.15.03B(3)(a))

A Class II TAP is exempt from Step 3 and Step 4 if the Class II TAP meets the following requirements: Premises wide emissions of the TAP shall not exceed 0.5 pounds per hour, and any applicable 1-hour or 8-hour screening level for the TAP must be greater than $200 \mu\text{g}/\text{m}^3$.

Class I TAP Small Quantity Emitter Exemption Requirements (COMAR 26.11.15.03B(3)(b))

A Class I TAP is exempt from Step 3 and Step 4 if the Class I TAP meets the following requirements: Premises wide emissions of the TAP shall not exceed 0.5 pounds per hour and 350 pounds per year, any applicable 1-hour or 8-hour screening level for the TAP must be greater than $200 \mu\text{g}/\text{m}^3$, and any applicable annual screening level for the TAP must be greater than $1 \mu\text{g}/\text{m}^3$.

If a TAP meets either the Class I or Class II TAP Small Quantity Emitter Exemption Requirements, no further review under Step 3 and Step 4 are required for that specific TAP.

FORM 5T: Toxic Air Pollutant (TAP) Emissions Summary and Compliance Demonstration

Step 3: Best Available Control Technology for Toxics Requirement (T-BACT, COMAR 26.11.15.05)

In the following table, list all TAP emission reduction options considered when determining T-BACT for the proposed installation. The options should be listed in order beginning with the most effective control strategy to the least effective strategy. Attach supporting documentation as necessary.

Target Pollutants	Emission Control Option	% Emission Reduction	Costs		T-BACT Option Selected? (yes/no)
			Capital	Annual Operating	
<i>ex. ethanol and benzene</i>	<i>Thermal Oxidizer</i>	<i>99</i>	<i>\$50,000</i>	<i>\$100,000</i>	<i>no</i>
<i>ex. ethanol and benzene</i>	<i>Low VOC materials</i>	<i>80</i>	<i>0</i>	<i>\$100,000</i>	<i>yes</i>

(attach additional sheets as necessary)

Step 4: Demonstrating Compliance with the Ambient Impact Requirement (COMAR 26.11.15.06)

Each TAP not exempt in Step 2 must be individually evaluated to determine that the emissions of the TAP will not adversely impact public health. The evaluation consists of a series of increasingly non-conservative (and increasingly rigorous) tests. Once a TAP passes a test in the evaluation, no further analysis is required for that TAP. "Demonstrating Compliance with the Ambient Impact Requirement under the Toxic Air Pollutant (TAP) Regulations (COMAR 26.11.15.06)" provides guidance on conducting the evaluation. Summarize your results in the following table. Attach supporting documentation as necessary.

Toxic Air Pollutant (TAP)	CAS Number	Screening Levels ($\mu\text{g}/\text{m}^3$)			Premises Wide Total TAP Emissions		Allowable Emissions Rate (AER) per COMAR 26.11.16.02A		Off-site Concentrations per Screening Analysis ($\mu\text{g}/\text{m}^3$)			Compliance Method Used?
		1-hour	8-hour	Annual	(lb/hr)	(lb/yr)	(lb/hr)	(lb/yr)	1-hour	8-hour	Annual	AER or Screen
<i>ex. ethanol</i>	<i>3763722</i>	<i>N/A</i>	<i>574</i>	<i>N/A</i>	<i>0.75</i>	<i>1500</i>	<i>0.89</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>AER</i>
<i>ex. benzene</i>	<i>71432</i>	<i>80</i>	<i>16</i>	<i>0.13</i>	<i>1.00</i>	<i>400</i>	<i>0.04</i>	<i>36.52</i>	<i>1.5</i>	<i>1.05</i>	<i>0.12</i>	<i>Screen</i>

(attach additional sheets as necessary)

If compliance with the ambient impact requirement cannot be met using the allowable emissions rate method or the screening analysis method, refined dispersion modeling techniques may be required. Please consult with the Department's Air Quality Permit Program prior to conducting dispersion modeling methods to demonstrate compliance.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

3/15/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER HMS Insurance Associates, Inc. 20 Wight Ave Suite 300 Hunt Valley MD 21030	CONTACT NAME: Megan Schlossenberg PHONE (A/C. No. Ext): 443-632-3323 E-MAIL ADDRESS: mschlossenberg@hmsia.com		FAX (A/C. No): 443-632-3499
	INSURER(S) AFFORDING COVERAGE		
INSURED Schuster Concrete Ready Mix, LLC P.O. Box 517 Owings Mills MD 21117	SCHUCON-02	INSURER A :	National Union Fire Insurance of Pittsburgh PA 19445
		INSURER B :	New Hampshire Insurance Company 23841
		INSURER C :	Great American Insurance Company 16691
		INSURER D :	
		INSURER E :	
		INSURER F :	

COVERAGES

CERTIFICATE NUMBER: 2140720119

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC <input type="checkbox"/> OTHER:			GL9925611	4/1/2023	4/1/2024	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 25,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY <input checked="" type="checkbox"/> H/B Phys Dmg \$50,000.			CA4544925	4/1/2023	4/1/2024	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Comp/Coll Deductible \$ 250/500
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			TUU247860305	4/1/2023	4/1/2024	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 \$
B	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input checked="" type="checkbox"/> Y	N/A	WC39326821	4/1/2023	4/1/2024	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 Insurance Verification

CERTIFICATE HOLDER**CANCELLATION**

Insurance Verification

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Table 3.3-1. EMISSION FACTORS FOR UNCONTROLLED GASOLINE AND DIESEL INDUSTRIAL ENGINES^a

Pollutant	Gasoline Fuel (SCC 2-02-003-01, 2-03-003-01)		Diesel Fuel (SCC 2-02-001-02, 2-03-001-01)		EMISSION FACTOR RATING
	Emission Factor (lb/hp-hr) (power output)	Emission Factor (lb/MMBtu) (fuel input)	Emission Factor (lb/hp-hr) (power output)	Emission Factor (lb/MMBtu) (fuel input)	
NO _x	0.011	1.63	0.031	4.41	D
CO	6.96 E-03 ^d	0.99 ^d	6.68 E-03	0.95	D
SO _x	5.91 E-04	0.084	2.05 E-03	0.29	D
PM-10 ^b	7.21 E-04	0.10	2.20 E-03	0.31	D
CO ₂ ^c	1.08	154	1.15	164	B
Aldehydes	4.85 E-04	0.07	4.63 E-04	0.07	D
TOC					
Exhaust	0.015	2.10	2.47 E-03	0.35	D
Evaporative	6.61 E-04	0.09	0.00	0.00	E
Crankcase	4.85 E-03	0.69	4.41 E-05	0.01	E
Refueling	1.08 E-03	0.15	0.00	0.00	E

^a References 2,5-6,9-14. When necessary, an average brake-specific fuel consumption (BSFC) of 7,000 Btu/hp-hr was used to convert from lb/MMBtu to lb/hp-hr. To convert from lb/hp-hr to kg/kw-hr, multiply by 0.608. To convert from lb/MMBtu to ng/J, multiply by 430. SCC = Source Classification Code. TOC = total organic compounds.

^b PM-10 = particulate matter less than or equal to 10 µm aerodynamic diameter. All particulate is assumed to be ≤ 1 µm in size.

^c Assumes 99% conversion of carbon in fuel to CO₂ with 87 weight % carbon in diesel, 86 weight % carbon in gasoline, average BSFC of 7,000 Btu/hp-hr, diesel heating value of 19,300 Btu/lb, and gasoline heating value of 20,300 Btu/lb.

^d Instead of 0.439 lb/hp-hr (power output) and 62.7 lb/mmBtu (fuel input), the correct emissions factors values are 6.96 E-03 lb/hp-hr (power output) and 0.99 lb/mmBtu (fuel input), respectively. This is an editorial correction. March 24, 2009

**MARYLAND DEPARTMENT OF THE ENVIRONMENT
AIR AND RADIATION ADMINISTRATION
AIR QUALITY PERMITS PROGRAM**

**Procedures for Estimating PM-10 Emissions and Demonstrating Compliance with the Air
Toxics Ambient Impact Requirement for Crystalline Silica Emissions
from Crushing and Screening Operations**

1. Table 1 lists emission factors for different activities in a typical crushing and screening plant.

Table 1: PM₁₀ Emission Factors

Equipment	Emission Factor ^(a) (lb PM-10/ton)	Number of Pieces of Equipment	Total Emission Factor (lb PM-10/ton)
Crusher with wet suppression (WS)	0.00054	1	.00054
Screen with WS	0.00074	0	0
Conveyor Transfer Points with WS	4.6 x 10 ⁻⁵ (0.000046)		0
Truck Unloading	1.6 x 10 ⁻⁵ (0.000016)	-----	1.6 x 10 ⁻⁵
Truck Loading	0.0001	-----	0.0001
Storage Piles	0.0016	-----	0.0016
TOTAL EMISSION FACTOR (TEF):	-----	-----	.0023

(a) From AP-42, Table 11.19.2-2 and Equation 1 of Section 13.2.4-4 (Assuming moisture content of 2.1%, a mean wind speed of 6.9 miles per hour, and a particle size multiplier of 0.35 for particles less than 10 µm in diameter)

5.

Total Respirable Crystalline Silica Emissions (lbs/hr) = 0.01 (CS x (TEF x TPH))

Where:

0.01 = Percent of PM-10 emissions that is respirable, expressed as a decimal (from Appendix C of the 2009 ACGIH TLV Booklet)

CS = Percent by weight of total crystalline silica in material expressed as a decimal (ex. 1% = 0.01)

TEF = Total emission factor in pounds of PM-10 per ton (from Table 1)

TPH = Projected production of the plant in tons per hour

Total Respirable Crystalline Silica Emissions (lbs/hr) = 0.01 (0.4 x (.0023 x 8))= 7.4 e-5

Per Year: .01 (0.4 x (.0023 x 10,000)) = .092


SAFETY DATA SHEET (SDS)

Ready Mixed Concrete

Section 1. Identification

Product identifier:	Ready Mixed Concrete
Other means of identification:	Concrete, Ready Mix Concrete, Concrete Ready Mix, Portland Cement Concrete, Ready Mix Grout, Permeable Concrete, Shotcrete, Gunitite, Colored Concrete, Flowable Fill, Roller- Compacted Concrete, Fiber Reinforced Concrete
Identified uses:	Concrete is widely used as a structural component in many construction applications.
Supplier's details:	Schuster Concrete Ready Mix, LLC 3713 Crondall Lane, Owings Mills MD 21117 410-363-9620
Emergency telephone number:	Schuster Concrete Ready Mix, LLC – Ross Jackson 443-506-1741 Poison Help line: 1-800-222-1222

Section 2. Hazards Identification

Classification of mixture:	Skin Corrosion/Irritation: Category 1 Eye Damage/Irritation: Category 1 Sensitization – Skin: Category 1 Specific Target Organ Toxicity (Single Exposure) (Respiratory tract irritation): Category 3
Signal word:	Danger
Pictograms:	
Hazard statements:	Cause severe skin burns and serious eye damage. May cause an allergic skin reaction. May cause respiratory irritation.
Precautionary statements:	Wear protective gloves. Wear eye and/or face protection. Avoid breathing dust. Wash hands thoroughly after handling. May cause eye and skin burns. See Section 4 for additional details. May present risk of engulfment. See Section 7 for additional details. Overexposure to wet concrete can cause severe, potentially irreversible tissue (skin, eye, respiratory tract) damage in

Continued...	the form of chemical burns, including third degree burns. The same severe injury can occur if wet or moist skin is exposed to dry Ready Mixed Concrete dust. Clothing wet with moisture from concrete can transmit the caustic effects to the skin, causing chemical burns. Ready Mixed Concrete may cause skin burns with little warning; discomfort or pain cannot be relied upon to alert a person to a serious injury. Pain or the severity of the burn may not be felt or known until hours after the exposure. Medical conditions which may be aggravated by exposure: Contact with wet concrete may aggravate existing skin conditions. Sensitivity to hexavalent chromium can be aggravated by exposure.
Hazards not otherwise classified:	Not applicable.

Section 3. Composition/Information on Ingredients

Substance/mixture:	Mixture (Portland Cement, Coarse Aggregate, Fine Aggregate, Water, Admixtures)	
CAS number:	Not applicable.	
Product code:	Not applicable.	
Ingredient name (Structure of Ready Mixed Concrete may contain the following in some concentration ranges):	%	CAS Number
Quartz (Aggregates)	0-80	14808-60-7
Limestone (Aggregates)	0-80	131 7-65-3
Portland cement	0-20	65997-15-1
Slag cement	0-15	N/A
Fly ash	0-10	68131-74-8
<p>Any concentration shown as a range is to protect confidentiality or is due to batch variation. Chemical admixtures may be present in ranges of less than 1%.</p> <p>Individual composition of hazardous constituents may vary between types/different mix designs of Ready Mixed Concrete.</p> <p>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.</p> <p>Occupational exposure limits, if available, are listed in Section 8.</p>		

Section 4. First-aid Measures

Inhalation:	Seek medical help if coughing or other symptoms persist. Inhalation of large amounts of Ready Mixed Concrete requires immediate medical attention. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the individual is not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.
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<p>Skin contact:</p> <p>Continued...</p>	<p>Get medical attention immediately. Heavy exposure to Ready Mixed Concrete dust, wet concrete or associated water requires prompt attention. Quickly remove contaminated clothing, shoes, and leather goods such as watchbands and belts. Quickly wash or brush away Ready Mixed Concrete. Immediately wash thoroughly with gently flowing water and non-abrasive pH neutral soap. Seek medical attention for rashes, burns, irritation, dermatitis and prolonged unprotected exposures to wet concrete, concrete mixtures or liquids from wet concrete. Burns should be treated as caustic burns. Ready Mixed Concrete may cause skin burns with little warning. Discomfort or pain cannot be relied upon to alert a person to a serious injury. You may not feel pain or the severity of the burn until hours after the exposure. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure.</p>
<p>Eye contact:</p>	<p>Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician.</p>
<p>Ingestion:</p>	<p>Get medical attention immediately. Call a poison center or physician. Have victim rinse mouth thoroughly with water. Do not induce vomiting unless directed to do so by medical personnel. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop giving water if the exposed person feels sick as vomiting may be dangerous. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.</p>
<p>Important symptoms/effects, acute and delayed:</p>	
<p>Inhalation:</p>	<p>May cause respiratory irritation. Adverse symptoms may include the following: respiratory tract irritation, coughing</p>
<p>Skin contact:</p>	<p>May cause severe burns. May cause an allergic skin reaction. Adverse symptoms may include the following: pain or irritation, redness, blistering may occur</p>
<p>Eye contact:</p>	<p>May cause serious eye damage. Adverse symptoms may include the following: pain, watering, redness</p>
<p>Ingestion:</p>	<p>May cause burns to mouth, throat and stomach. Adverse symptoms may include the following: stomach pains</p>
<p>Indication of immediate medical attention and special treatment, if necessary:</p>	
<p>If inhaled:</p>	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Prolonged and repeated inhalation of respirable crystalline silica-containing dust in excess of appropriate exposure limits has caused silicosis, fibrosis or scar tissue formations in the lungs. Call a poison center or physician if you feel unwell.</p>

If on skin:	Wash with plenty of pH neutral soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: get medical attention. Ready Mixed Concrete may contain trace amounts of hexavalent chromium. Hexavalent chromium is associated with allergic skin reactions which may appear as contact dermatitis and skin ulcerations. Persons already sensitized may react to their first exposure to concrete. Other individuals may develop allergic dermatitis after repeated exposure to concrete. The symptoms of allergic reactions may include reddening of the skin, rash, and irritation. Symptoms of chronic exposure to wet concrete may include reddening, irritation, and eczematous rashes. Drying, thickening, and cracking of the skin and nails may also occur.
Continued...	
If in eyes:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Exposure to dust may cause immediate or delayed irritation or inflammation. Eye contact by larger amount of dry power or splashes of wet Ready Mixed Concrete may cause effects ranging from moderate eye irritation to chemical burns or blindness. Immediately call a poison center or physician.
If ingested:	Irritating to mouth, throat and stomach. Ingestion of large quantities may cause severe irritation and chemical burns of the mouth, throat, stomach and digestive tract. Do not ingest Ready Mixed Concrete. Get immediate medical attention.
Notes to physician:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Protection of first-aiders:	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wear gloves when removing contaminated clothing.
See toxicological information listed in Section 11.	

Section 5. Fire-fighting Measures

Suitable extinguishing media:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media:	None known.
Specific hazards arising from the product:	No specific fire or explosion hazard.
Hazardous thermal decomposition products may include:	Carbon dioxide, carbon monoxide, sulfur oxides, metal oxide/oxides
Special protective equipment and precautions for fire-fighters:	Fire-fighters should wear appropriate protective equipment.

Section 6. Accidental Release Measures

For non-emergency personnel:	Personnel involved with the handling of wet unhardened concrete should take steps to avoid contact with the eyes and skin, through the use of gloves and suitable clothing as described in Section 8. Silica-containing respirable dust particles may be generated by crushing, cutting, grinding, or drilling hardened concrete or concrete products, and should always be
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	avoided. Follow protective controls defined in Section 8 when handling these products. When cutting, grinding, crushing or drilling hardened concrete, use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits.
For emergency responders :	For personal protective clothing and equipment requirements, please see Section 8.
Environmental precautions:	Wet unhardened concrete should be recycled or allowed to harden and disposed. Do not wash concrete down sewage and drainage systems or into bodies of water (e.g. lakes, streams, wetlands, etc.).
Methods and materials for containment and cleaning up spills:	Place spilled material into a contained area and allow wet unhardened concrete to harden and dispose in a landfill as common solid waste. Follow applicable Federal, State, and local regulations for disposal. Uncontaminated ready mixed concrete is neither a listed nor a characteristic hazardous waste under designations by the USEPA or USDOT.
USDOT Class: Uncontaminated ready mixed concrete does not meet any hazardous material class definition found in Title 49 Code of Federal Regulations Part 173.	

Section 7. Handling and Storage

Precautions for safe handling:	When required use appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure by obtaining and following special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe dust. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities:	A key to using the product safely requires the user to recognize that Ready Mixed Concrete reacts chemically with water to produce calcium hydroxide which can cause severe chemical burns. Every attempt should be made to avoid skin and eye contact with concrete. Do not get Ready Mixed Concrete inside boots, shoes or gloves. Do not allow wet, saturated clothing to remain against the skin. Promptly remove clothing and shoes that are dusty or wet with concrete mixtures. Launder/clean clothing and shoes before reuse.

Section 8. Exposure Controls/Personal Protection

Ingredient name:	Exposure limits:			
	OSHA PEL:	ACGIH TLV:	NIOSH REL:	MSHA PEL:
Quartz* Continued...	TWA: 10 mg/m ³ / (%SiO ₂ +2) 8 hours. Form: Respirable TWA: 250 MPPCF / (%SiO ₂ +5) 8 hours. Form: Respirable	TWA: 0.025 mg/m ³ 8 hours. Form: Respirable fraction	TWA: 0.05 mg/m ³ 10 hours. Form: respirable dust	N/A
Portland cement	TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hours. Form: Total dust	TWA: 1 mg/m ³ 8 hours. Form: Respirable fraction	TWA: 5 mg/m ³ 10 hours. Form: Respirable fraction TWA: 10 mg/m ³ 10 hours. Form: Total	N/A
Limestone*	TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hours. Form: Total dust	N/A	TWA: 5 mg/m ³ 10 hours. Form: Respirable fraction TWA: 10 mg/m ³ 10 hours. Form: Total	N/A
Fly ash*	TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hours. Form: Total dust	TWA: 10 mg/m ³ 10 hours. Form: Total	N/A	N/A
Slag cement	N/A	N/A	N/A	N/A
<p>*Each of these ingredients may have crystalline silica (quartz) as a component. The percent of silica varies greatly from product to product and also within the same product. Silica exposure may occur when respirable dust is present. Dust is not present in freshly mixed unhardened Ready Mixed Concrete.</p> <p>Admixtures may be present in quantities of less than 1%.</p>				
Appropriate engineering		Use only with adequate ventilation. If user operations generate dust, use		

controls:	process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.
Individual protection measures (including Personal Protective Equipment): Continued...	<p>Clean water should always be readily available for skin and (emergency) eye washing. Periodically wash areas contacted by Ready Mixed Concrete with a pH neutral soap and clean, uncontaminated water. If clothing becomes saturated with Ready Mixed Concrete, it should be removed and replaced with clean, dry clothing.</p> <p>To prevent eye contact, wear safety glasses with side shields, safety goggles or face shields when handling dust or wet concrete. Wearing contact lenses when working with concrete is not recommended.</p> <p>Use impervious, waterproof, abrasion and alkali-resistant gloves. Do not rely on barrier creams in place of impervious gloves. Do not get Ready Mixed Concrete inside gloves.</p> <p>Use impervious, waterproof, abrasion and alkali-resistant boots and long-sleeved and long-legged clothing to protect the skin from contact with wet Ready Mixed Concrete. To reduce foot and ankle exposure, wear impervious boots that are high enough to prevent Ready Mixed Concrete from getting inside them. If finishing concrete, wear waterproof knee pads to protect knees. Do not get Ready Mixed Concrete inside boots, shoes, or gloves. Remove clothing and protective equipment that becomes saturated with concrete and immediately wash exposed areas of the body.</p> <p>Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved. Footwear and other gear to protect the skin should be approved by a specialist before handling this product.</p> <p>Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. (See OSHA Respiratory Protection Standard 29 CFR 1910.134)</p>

Section 9. Physical and Chemical Properties

Appearance (physical state, color, etc.)	Solid, semi-fluid, flowable, granular paste, varying Gray color, varying	Upper/lower flammability or explosive limits:	N/A
Odor:	Odorless	Vapor pressure:	N/A
Odor threshold:	N/A	Vapor density:	N/A
pH:	Pour solution: 12+	Relative density:	Normal weight concrete: 2.2 to 2.6
Melting point/freezing	N/A	Solubility:	N/A

point:			
Initial boiling and boiling range:	N/A	Partition coefficient: n-octanol/water:	N/A
Flash point:	Not flammable. Not combustible.	Auto-ignition temperature:	N/A
Evaporation rate:	N/A	Decomposition temperature:	N/A
Flammability (solid, gas):	N/A	Viscosity:	N/A

Section 10. Stability and Reactivity

Reactivity:	Cementitious materials react slowly with water forming hydrated compounds, releasing heat and producing a strong alkaline solution.
Chemical stability:	The product is stable.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	No specific data.
Incompatible materials:	Reactive or incompatible with the following materials: oxidizing materials, acids, aluminum and ammonium salt. Ready Mixed Concrete is highly alkaline and will react with acids to produce a violent, heat-generating reaction. Toxic gases or vapors may be given off depending on the acid involved. Reacts with acids, aluminum metals and ammonium salts. Aluminum powder and other alkali and alkaline earth elements will react in wet mortar or concrete, liberating hydrogen gas. Limestone ignites on contact with fluorine and is incompatible with acids, alum, ammonium salts, and magnesium. Silica reacts violently with powerful oxidizing agents such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride yielding possible fire and/or explosions. Silicates dissolve readily in hydrofluoric acid producing a corrosive gas - silicon tetrafluoride.
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological Information

Likely routes of exposure:	Dermal contact. Eye contact. Inhalation. Ingestion.
Symptoms:	
Inhalation:	May cause respiratory irritation. Adverse symptoms may include the following: respiratory tract irritation, coughing
Skin contact:	May cause severe burns. May cause an allergic skin reaction. Adverse symptoms may include the following: pain or irritation, redness, blistering may occur
Eye contact:	May cause serious eye damage. Adverse symptoms may include the following: pain, watering, redness
Ingestion:	May cause burns to mouth, throat and stomach. Adverse symptoms may include

	the following: stomach pains						
Delayed and immediate effects:	Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. If sensitized to hexavalent chromium, a severe allergic dermal reaction may occur when subsequently exposed to very low levels.						
Numerical measures of toxicity:	No data available.						
Ingredient name:	NPT	IARC	OSHA	MSHA	NIOSH	EPA	ACGIH
Portland cement	Known to be a human carcinogen.	N/A	N/A	N/A	N/A	N/A	A4
Quartz	Known to be a human carcinogen.	1	N/A	N/A	N/A	N/A	A2

Section 12. Ecological Information

Ecotoxicity:	Only relevant in accidental spillages of fresh unhardened concrete. If it reaches water, it can result in a slight rise in pH. Hardened concrete is inert.
Persistence and degradability:	No data available.
Bioaccumulative potential :	No data available.
Mobility in soil:	No data available.
Other adverse effects:	No known significant effects or critical hazards.

Section 13. Disposal Considerations

If disposing Ready Mixed Concrete, it should be done in accordance with local, regional, and national regulations.

The generation of waste should be avoided or minimized wherever possible.

If disposing this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Process water should not be released to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Landfill should only be considered when recycling is not feasible. This material must be disposed of in a safe manner. Avoid dispersal of spilled material and runoff in waterways, drains and sewers.

Section 14. Transport Information

UN number:	Not regulated.
UN proper shipping name:	N/A
Transport hazard class(es):	N/A
Packing group:	N/A

Environmental hazards:	None.
Transport in bulk:	Annex II of MARPOL 73/78 and the IBC Code
Special precautions:	Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory Information

OSHA Hazard Communication: This product is considered by OSHA to be a hazardous material and should be included in the employer's hazard communication program.

CERCLA/SUPERFUND: This product is not listed as a CERCLA hazardous substance.

EPCRA SARA Title III: This product has been reviewed according to the EPA Hazard Categories promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 and is considered a hazardous and a delayed health hazard.

EPCRA SARA Section 313: This product may contain substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

RCRA: If discarded in its hardened form, this product would not be a hazardous waste either by listing characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

TSCA: Portland Cement and crystalline silica are exempt from reporting under the inventory update rule.

California Proposition 65: Crystalline silica (airborne particulates of respirable size) and Chromium (hexavalent compounds) are substances known by the State of California to cause cancer.

WHMIS/DSL: Products containing crystalline silica and calcium carbonate are classified as D2A, E and are subject to WHMIS requirements.

Section 16. Other Information

Date of last revision:	February, 2016
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***NOTICE TO READER/PRODUCT USER:**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

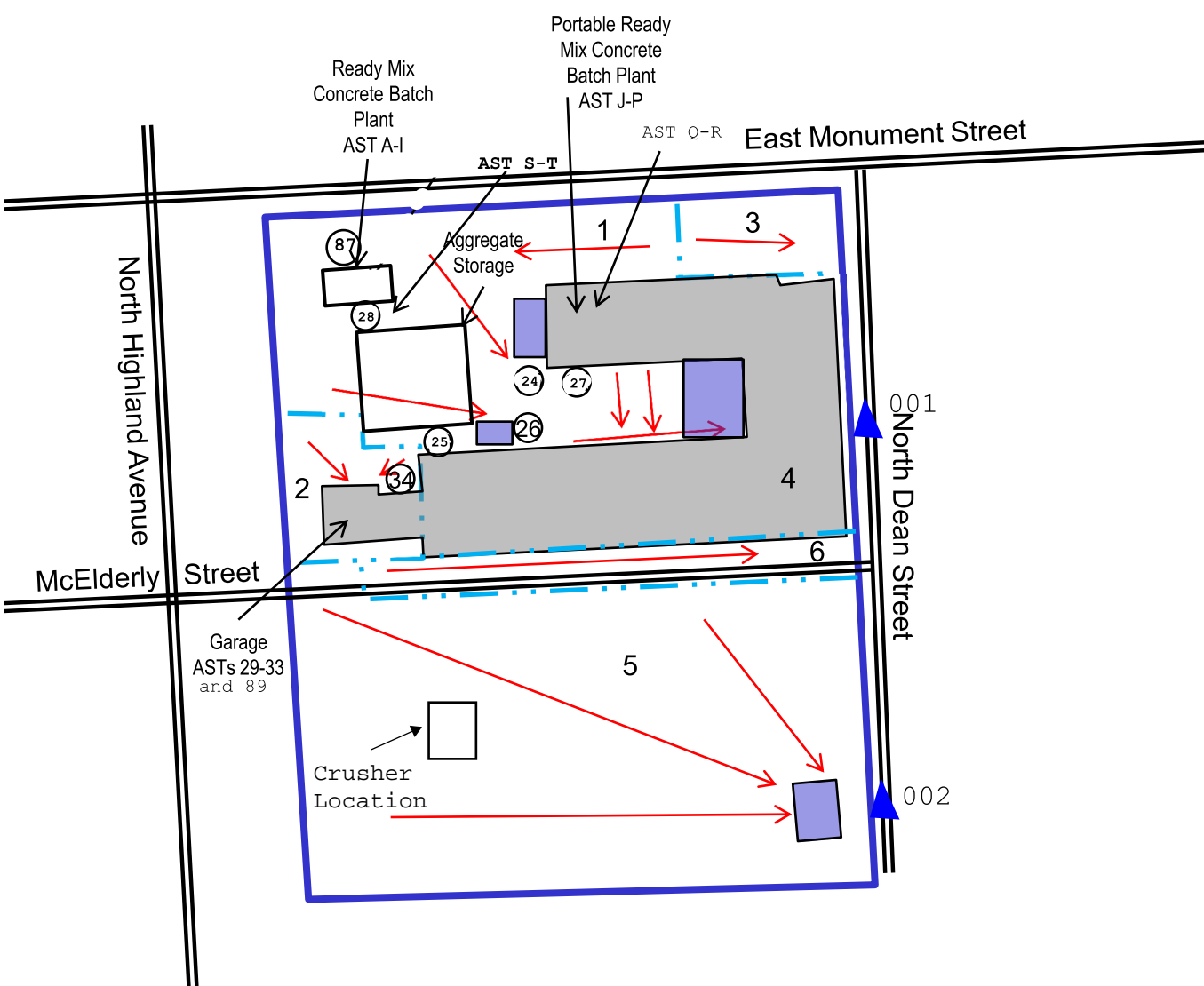
This Safety Data Sheet (SDS) is intended as a sample. While it represents ingredients and values typical for Portland cement concrete, concrete and its constituent ingredients vary in composition. Information on specific


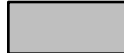

aggregates, cementitious materials, water and admixtures should be provided by the supplier upon request. The information contained in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.




The information set forth herein is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside the concrete/concrete products producer's control, the producer makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information.



Before using any portion of this draft template SDS for ready mixed concrete, the National Ready Mixed Concrete Association (NRMCA) highly recommends obtaining legal consultation first. This draft template is designed as a guide for use by NRMCA members in drafting their own company and product specific SDS.

This sample SDS was created for NRMCA through contract and coordination with the company MSDSPro, LLC, and reviewed by the NRMCA Operations, Environmental and Safety Committee.



Approximate Facility Boundary  Building Location  Settling Pond Location 

Drainage Direction  Approximate AST Location  Approximate Limits of Drainage Areas 

Drainage Area Numbers   Outfall locations



12530 Iron Bridge Road, Suite I
 Chester, Virginia 23831
 Phone: 804-454-0072 Fax: 804-454-0082

Appendix A.3 – Facility and Chemical Storage Map
 E. Monument Street Ready-Mix Concrete Plant
 3625 E. Monument Street
 Baltimore, Maryland 21205

Project No.: 17-040R	Report Date: August 2017	Drawn By: KJT
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METROTRAK HA

The Powerscreen® Metrotrak HA is a compact, high performance track mobile jaw crushing plant. With an aggressive crushing action and a high output even at tight settings, the Metrotrak is ideally suited for operators in the mining, quarrying and recycling industries.

The Metrotrak HA offers hydraulic adjustment which offers users the benefit of quickly and easily changing the size of finished product.

Features & Benefits

- Heavy duty fabricated chassis and track frame
- Stepped self-cleaning grizzly feeder
- Fully skirted product conveyor
- Grizzly by-pass and fines chute
- Hydraulically folding feed hopper
- Dust suppression system
- Economical to operate with a highly fuel efficient direct drive
- Fitted with Powerscreen Pulse Telematics system

Options

- Side conveyor
- Single pole/twin pole magnet
- Radio remote control
- Belt weigher
- Hydraulically driven water pump
- Electric refuelling pump
- Wire mesh for underscreen
- Super tooth or multi tooth jaw plates

Applications

- Sand & gravel
- Blasted rock
- River rock
- C&D waste
- Overburden
- Foundry waste
- Processed ores
- Processed minerals

Output Potential

Up to 200tph (220 US tph)*

Product Conveyor

Width: 800mm (32")
Discharge height: 2.9m (9'6")

Crusher

High capacity single toggle jaw
Chamber size: 900mm x 600mm (35" x 23")
Min CSS: 40mm (1.5")*
Max CSS: 100mm (4")*

Feeder

Vibrating pan feeder
Length: 3.8m (12'5")
Width: 800mm (2'7")

Hopper

Wear resistant feed hopper
Length: 4m (13'1")
Width: 1.8m (5'9")
Capacity: 3.6m³ (4.7yds³)



Side Conveyor (option)

Width: 600mm (23.6")
Discharge height: 2m (6'7")

Tracks

Width: 400mm (15.7")

Power Unit

Tier 3/Stage 3A: CAT C7.1 ACERT 140kW (188hp)
Tier 4F/Stage 4: CAT C7.1 140kW (188hp)
Fuel tank capacity: 400 L (106 US GAL)

METROTRAK HA

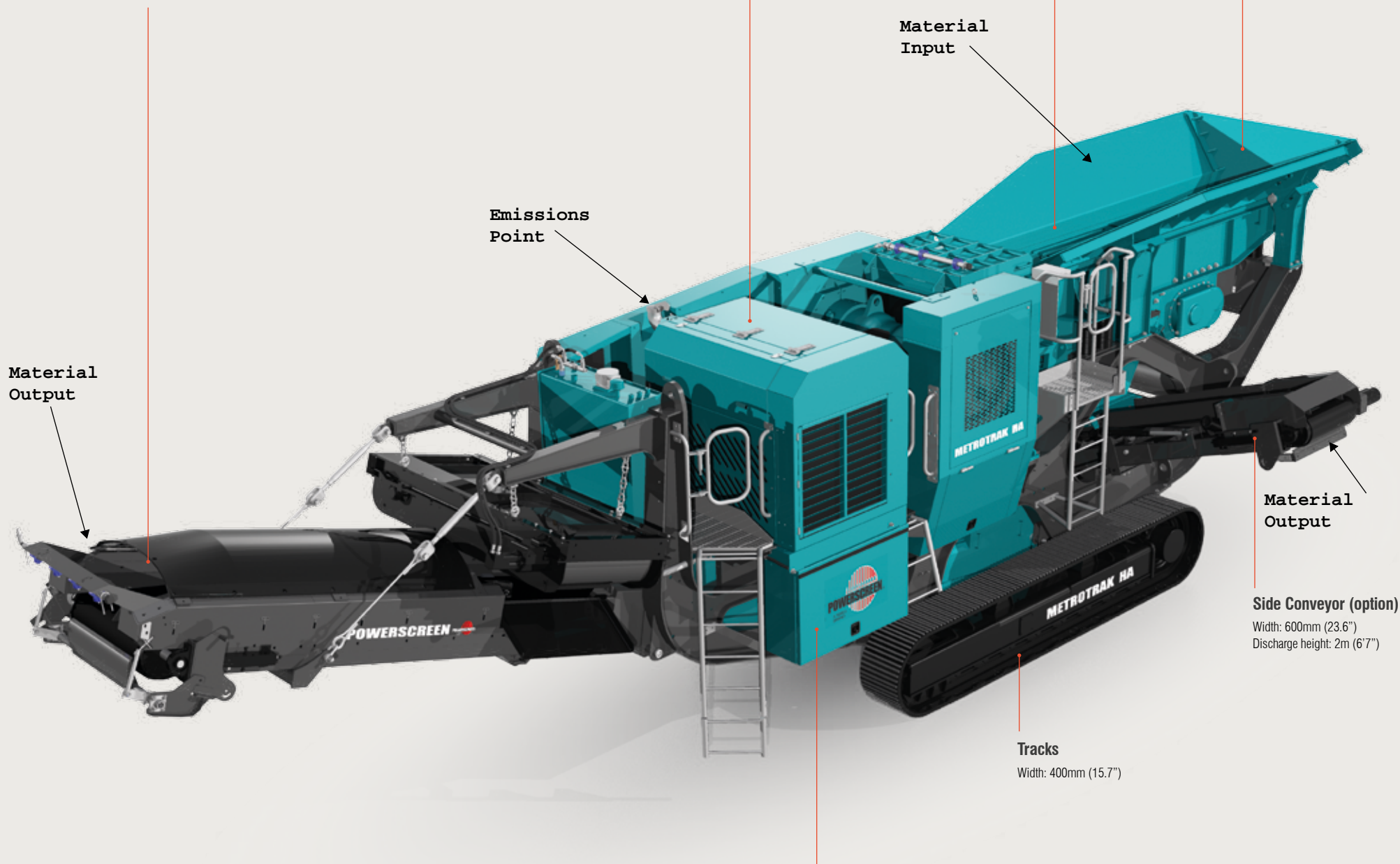
Weight (Est) (Tier 3)	28,100kg (61,949lbs)
Weight (Est) (Tier 4)	29,250kg (64,485lbs)
Transport width	2.4m (7'10")
Transport length	13.1m (43')
Transport height	3.3m (10'10")
Working width	3.87m (12'6") with side conveyor
Working length	13.1m (42'9")
Working height	3.4m (11'1")



*Depends on application
Engines are available that are certified to US EPA and EU off road diesel emission standards. Talk to your dealer about possible certification options (i.e. Tier 3/Stage 3A, Tier 4/Stage 3B, Tier 4F / Stage 4).



Discharge height: 2.9m (9'6")



Material Input

Emissions Point

Material Output

Material Output

Side Conveyor (option)

Width: 600mm (23.6")
Discharge height: 2m (6'7")

Tracks
Width: 400mm (15.7")

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2013	DPKXL7.01BL1	7.01	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Electronic Direct Injection, Turbocharger, Charge Air Cooler, Engine Control Module, Exhaust Gas Recirculation, Diesel Oxidation Catalyst, Periodic Trap Oxidizer			Crane, Loader, Tractor, Dozer, Pump, Compressor, Generator Set	

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for non-methane hydrocarbon (NMHC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kW-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			NMHC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130 ≤ kW ≤ 560	Interim Tier 4 / ALT NOx	STD	0.19	2.0	N/A	3.5	0.02	N/A	N/A	N/A
		FEL	N/A	N/A	N/A	N/A	0.01	N/A	N/A	N/A
		CERT	0.03	1.8	--	0.2	0.004	--	--	--


BE IT FURTHER RESOLVED: That the family emission limit(s) (FEL) is an emission level declared by the manufacturer for use in any averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2423 and 2427.

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 21st day of November 2012.


 Annette Hebert, Chief
 Mobile Source Operations Division

Attachment 1 of 2

Engine Model Summary Template

U-R-022-0184

11-16-2012

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
DPKXL7.01BL1	1	3566/2200	275@2200	142	103	927@1400	191	88	DDI TAA ECM DOC PTOX EGR
DPKXL7.01BL1	2	3564/2200	250@2200	132	91	842@1400	177	81	DDI TAA ECM DOC PTOX EGR
DPKXL7.01BL1	3	3562/2200	237@2200	126	89	801@1400	167	77	DDI TAA ECM DOC PTOX EGR
DPKXL7.01BL1	4	3558/2200	213@2200	116	84	718@1400	151	70	DDI TAA ECM DOC PTOX EGR
DPKXL7.01BL1	5	3556/2200	202@2200	112	78	680@1400	146	67	DDI TAA ECM DOC PTOX EGR
DPKXL7.01BL1	6	3552/2200	188@2200	104	69	656@1400	139	64	DDI TAA ECM DOC PTOX EGR
DPKXL7.01BL1	7	3710/2100	172@2100	102	66	627@1000	128	42	DDI TAA ECM DOC PTOX EGR
DPKXL7.01BL1	8	3708/2100	192@2100	113	74	707@1000	150	49	DDI TAA ECM DOC PTOX EGR
DPKXL7.01BL1	9	3702/2100	212@2100	118	81	763@1200	159	63	DDI TAA ECM DOC PTOX EGR
DPKXL7.01BL1	10	3690/1800	204@1800	123	70	687@1400	142	65	DDI TAA ECM DOC PTOX EGR

Attachment 2 of 2

Engine Model Summary Template

U-R-022-0184

11-16-2012

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
DPKXL7.01BL1	11	3688/1800	241@1800	144	85	791@1400	163	75	DDI TAA ECM DOC PTOX EGR
DPKXL7.01BL1	12	3560/2200	225@2200	124	83	758@1400	155	72	DDI TAA ECM DOC PTOX EGR
DPKXL7.01BL1	13	3666/2150	239@2150	129	89	777@1300	161	69	DDI TAA ECM DOC PTOX EGR
DPKXL7.01BL1	14	3698/2150	219@2150	120	80	777@1300	163	68	DDI TAA ECM DOC PTOX EGR
DPKXL7.01BL1	Cert Test 15	3730/1800	321@1800	198	117	935@1800	198	117	DDI TAA ECM DOC PTOX EGR
DPKXL7.01BL1	15	3730/1800	321@1800	195	115	935@1800	195	115	DDI TAA ECM DOC PTOX EGR
DPKXL7.01BL1	16	3728/1800	247@1800	143	85	720@1800	143	85	DDI TAA ECM DOC PTOX EGR
DPKXL7.01BL1	Cert Test 17	3764/2200	302@2200	170	123	940@1400	198	91	DDI TAA ECM DOC PTOX EGR
DPKXL7.01BL1	17	3764/2200	302@2200	170	123	940@1400	198	91	DDI TAA ECM DOC PTOX EGR

Real Property Data Search

Search Result for BALTIMORE CITY

View GroundRent Redemption					View GroundRent Registration					
Tax Exempt:					Special Tax Recapture:					
Exempt Class:					NONE					
Account Identifier:					Ward - 26 Section - 20 Block - 6166 Lot - 028A					
Owner Information										
Owner Name:			MCELDERRY LLC			Use:		INDUSTRIAL		
Mailing Address:			P.O. BOX 517 3717 CRONDALL LANE OWINGS MILLS MD 21117			Principal Residence:		NO		
						Deed Reference:		/02796/ 00258		
Location & Structure Information										
Premises Address:					3625 E MONUMENT ST BALTIMORE 21205-2925			Legal Description:		4.754 ACRES
Map:	Grid:	Parcel:	Sub District:	Subdivision:	Section:	Block:	Lot:	Assessment Year:	Plat No:	
0026	0000	0000		0000	20	6166	028A	2019	Plat Ref:	
Special Tax Areas:					Town:		NONE			
					Ad Valorem:					
					Tax Class:					
Primary Structure Built		Above Grade Living Area		Finished Basement Area		Property Land Area		County Use		
		86011				4.7500 AC		42210		
Stories	Basement	Type	Exterior	Full/Half Bath	Garage	Last Major Renovation				
		OFFICE BUILDING								
Value Information										
			Base Value	Value	Phase-in Assessments					
				As of	As of		As of			
				01/01/2019	07/01/2018		07/01/2019			
Land:			427,800	427,800						
Improvements			1,114,700	1,144,300						
Total:			1,542,500	1,572,100	1,542,500		1,552,367			
Preferential Land:			0				0			
Transfer Information										
Seller: MONUMENT ENTERPRISES, INC				Date: 11/30/1998		Price: \$1,310,000				
Type: ARMS LENGTH MULTIPLE				Deed1: FMC /02796/ 00258		Deed2:				
Seller: FIRST PROPERTIES				Date: 02/09/1994		Price: \$995,000				
Type: ARMS LENGTH IMPROVED				Deed1: /00000/ 00000		Deed2:				
Seller: BAVERMAN, ALLEN				Date: 04/20/1993		Price: \$1,000,000				
Type: ARMS LENGTH IMPROVED				Deed1: /00000/ 00000		Deed2:				
Exemption Information										
Partial Exempt Assessments:			Class		07/01/2018		07/01/2019			
County:			000		0.00					
State:			000		0.00					
Municipal:			000		0.00 0.00		0.00 0.00			
Tax Exempt:					Special Tax Recapture:					
Exempt Class:					NONE					
Homestead Application Information										
Homestead Application Status: No Application										
Homeowners' Tax Credit Application Information										
Homeowners' Tax Credit Application Status: No Application					Date:					



BALTIMORE CITY
DEPARTMENT OF HOUSING &
COMMUNITY DEVELOPMENT

June 15, 2022

Schuster Concrete
3713 Crondall Lane
Owings Mills, MD 21117

RE: Zoning Verification Letter
3625 East Monument Street

To Whom It May Concern:

This letter is in response to your request for zoning verification concerning the above referenced property.

The subject property is located in an I-2 General Industrial District. Our records show the last authorized use for the property was for a concrete manufacturing plant. The use complies with all applicable zoning regulations.

Should you have any additional questions regarding this matter, please contact the Office of the Zoning Administrator at (410) 396-4126.

Sincerely,

A handwritten signature in blue ink, appearing to read "Geoffrey Veale".

Geoffrey Veale
Zoning Administrator

MARYLAND DEPARTMENT OF THE ENVIRONMENT

**AIR AND RADIATION ADMINISTRATION
APPLICATION FOR A PERMIT TO CONSTRUCT**

**SUPPLEMENT TO
DOCKET #20-23**

COMPANY: Schuster Concrete Ready Mix LLC

LOCATION: 3625 E Monument St., Baltimore, MD 21205

APPLICATION: One (1) Metrotrak 2.5 ton per hour waste concrete crusher equipped with a diesel-fired engine rated at 188 horsepower and one (1) McCloskey 13 ton per hour screener equipped with a diesel-fired engine rated at 130 horsepower, using wet suppression systems to control fugitive dust.

<u>ITEM</u>	<u>DESCRIPTION</u>
1	Notice of Tentative Determination, Opportunity to Request a Public Hearing, and Opportunity to Submit Written Comments
2	Fact Sheet and Tentative Determination
3	Draft Permit to Construct and Conditions
4	Supplemental Information
5	Privilege Log – Not applicable

**MARYLAND DEPARTMENT OF THE ENVIRONMENT
AIR AND RADIATION ADMINISTRATION**

**NOTICE OF TENTATIVE DETERMINATION, OPPORTUNITY TO REQUEST
A PUBLIC HEARING, AND OPPORTUNITY TO SUBMIT WRITTEN COMMENTS**

FIRST NOTICE

The Department of the Environment, Air and Radiation Administration (ARA) has completed its review of an application for a Permit to Construct submitted by Schuster Concrete Ready Mix LLC on November 6, 2023 for the installation of one (1) Metrotrak 2.5 ton per hour waste concrete crusher equipped with a diesel-fired engine rated at 188 horsepower and one (1) McCloskey 13 ton per hour screener equipped with a diesel-fired engine rated at 130 horsepower, using wet suppression systems to control fugitive dust. The proposed installation will be located at 3625 E Monument St., Baltimore, MD 21205.

Pursuant to Section 1-604, of the Environment Article, Annotated Code of Maryland, the Department has made a tentative determination that the Permit to Construct can be issued and is now ready to receive public comment on the application. Copies of the Department's tentative determination, the application, the draft permit to construct with conditions, and other supporting documents are available for public inspection on the Department's website. Look for Docket #20-23 at the following link:

<https://mde.maryland.gov/programs/Permits/AirManagementPermits/Pages/index.aspx>

In accordance with HB 1200/Ch. 588 of 2022, the applicant provided an environmental justice (EJ) Score for the census tract in which the project is located using the MDE EJ Screening Tool. The EJ Score, expressed as a statewide percentile, was shown to be 95, which the Department has verified. This score considers three demographic indicators, minority population above 50%, poverty rate above 25% and limited English proficiency above 15%, to identify underserved communities, and multiple environmental health indicators to identify overburdened communities. The Department's review of the environmental and socioeconomic indicators contributing to that EJ score is included in the tentative determination that is available for public inspection.

Interested persons may request a public hearing and/or submit written comments on the tentative determination. Requests for a public hearing must be submitted in writing and must be received by the Department no later than 20 days from the date of this notice. A requested public hearing will be held virtually using teleconference or internet-based conferencing technology unless a specific request for an in-person public hearing is received. Written comments must be received by the Department no later than 30 days from the date of this notice.

Interested persons may request an extension to the public comment period. The extension request must be submitted in writing and must be received by the Department no later than 30 days from the date of this notice or within 5 days after the hearing (if a hearing is requested), whichever is later. The public comment period may only be extended one time for a 60-day period.

All requests for a public hearing, requests for an extension to the public comment period, and all written comments should be directed to the attention of Ms. Shannon Heafey, Air Quality Permits Program by email to shannon.heafey@maryland.gov or by mail to the Air and Radiation Administration, 1800 Washington Boulevard, Baltimore, Maryland 21230.

Further information may be obtained by calling Ms. Shannon Heafey at 410-537-4433.

Christopher R. Hoagland, Director
Air and Radiation Administration

**MARYLAND DEPARTMENT OF ENVIRONMENT
AIR AND RADIATION ADMINISTRATION**

**FACT SHEET AND TENTATIVE DETERMINATION
SCHUSTER CONCRETE READY MIX LLC – MONUMENT STREET**

**PROPOSED INSTALLATION OF WASTE CONCRETE CRUSHER
AND SCREENER WITH TWO DIESEL ENGINES**

I. INTRODUCTION

The Maryland Department of the Environment (the "Department") received an application from Schuster Concrete Ready Mix LLC on November 6, 2023, with an amendment received on December 19, 2024, for a Permit to Construct for one (1) MetroTrak 2.5 ton per hour waste concrete crusher equipped with a diesel-fired engine rated at 188 horsepower and one (1) McCloskey 13 ton per hour screener equipped with a diesel-fired engine rated at 130 horsepower, using wet suppression systems to control fugitive dust. The proposed installation will be located at 3625 East Monument Street, Baltimore, MD 21205.

A notice was placed in The Baltimore Sun on March 8, 2024 and March 15, 2024, announcing an opportunity to request an informational meeting to discuss the application for a Permit to Construct. An informational meeting was not requested.

As required by law, all public notices were also provided to elected officials in all State, county, and municipality legislative districts located within a one mile radius of the facility's property boundary.

The Department has reviewed the application and has made a tentative determination that the proposed installation is expected to comply with all applicable air quality regulations. A notice will be published to provide the public with opportunities to request a public hearing and to comment on the application, the Department's tentative determination, the draft permit conditions, and other supporting documents. The Department will not schedule a public hearing unless a legitimate request is received.

If the Department does not receive any comments that are adverse to the tentative determination, the tentative determination will automatically become a final determination. If adverse comments are received, the Department will review the comments, and will then make a final determination with regard to issuance or denial of the permit. A notice of final determination will be published in a newspaper of general circulation in the affected area. The final determination may be subject to judicial review pursuant to Section 1-601 of the Environment Article, Annotated Code of Maryland.

II. CURRENT STATUS AND PROPOSED INSTALLATION

A. Current Status

Schuster Concrete Ready Mix LLC – Monument Street has current air permits for the following equipment:

- One (1) 150 cubic yards per hour portable Vince Hagan HSM 12000C concrete batch plant controlled by one (1) baghouse.
- One (1) 150 cubic yards per hour Cemco ready-mix concrete plant controlled by one (1) baghouse.
- One (1) Infernotherm diesel fired boiler rated at 1.4 million BTU/hr.
- One (1) Infernotherm diesel fired boiler rated at 2.7 million BTU/hr.

B. Proposed Installation

The facility is proposing to install one (1) MetroTrak 2.5 ton per hour waste concrete crusher equipped with a diesel-fired engine rated at 188 horsepower and one (1) McCloskey 13 ton per hour screener equipped with a diesel-fired engine rated at 130 horsepower, using wet suppression systems to control fugitive dust.

III. APPLICABLE REGULATIONS

The proposed installation is subject to all applicable Federal and State air quality control regulations, including, but not limited to the following:

- (a) All applicable terms, provisions, emissions standards, testing, monitoring, record keeping, and reporting requirements included in federal New Source Performance Standards (NSPS) promulgated under 40 CFR 60, Subpart A (General Provisions) and Subpart OOO for Nonmetallic Mineral Processing Plants.
- (b) COMAR 26.11.02.19C & D, which require that the Permittee submit to the Department annual certifications of emissions, and that the Permittee maintain sufficient records to support the emissions information presented in the submittals.
- (c) COMAR 26.11.06.03C and D, which requires that the Permittee take reasonable precautions to prevent particulate matter from unconfined sources and materials handling and construction operations from becoming airborne.
- (d) COMAR 26.11.06.08 and 26.11.06.09, which generally prohibit the discharge of emissions beyond the property line in such a manner that a nuisance or air pollution is created.

- (e) COMAR 26.11.06.12, which prohibits the construction, modification, or operation of an NSPS source in a manner which results or will result in a violation of the provisions of 40 CFR, Part 60.
- (f) COMAR 26.11.09.05E(2), Emissions During Idle Mode: The Permittee may not cause or permit the discharge of emissions from any engine, operating at idle, greater than 10 percent opacity.
- (g) COMAR 26.11.09.05E(3), Emissions During Operating Mode: The Permittee may not cause or permit the discharge of emissions from any engine, operating at other than idle conditions, greater than 40 percent opacity.
- (h) COMAR 26.11.09.07A(2), which limits the sulfur content of distillate fuel oils to not more than 0.3 percent by weight.
- (i) COMAR 26.11.15.05, which requires that the Permittee implement “Best Available Control Technology for Toxics” (T – BACT) to control emissions of toxic air pollutants.
- (j) COMAR 26.11.15.06, which prohibits the discharge of toxic air pollutants to the extent that such emissions will unreasonably endanger human health.

IV. GENERAL AIR QUALITY

The U.S. Environmental Protection Agency (EPA) has established primary and secondary National Ambient Air Quality Standards (NAAQS) for six (6) criteria pollutants, i.e., sulfur dioxide, particulate matter, carbon monoxide, nitrogen dioxide, ozone, and lead. The primary standards were established to protect public health, and the secondary standards were developed to protect against non-health effects such as damage to property and vegetation.

The Department utilizes a statewide air monitoring network, operated in accordance with EPA guidelines, to measure the concentrations of criteria pollutants in Maryland’s ambient air. The measurements are used to project statewide ambient air quality, and currently indicate that Baltimore City complies with the NAAQS for sulfur dioxide, particulate matter, carbon monoxide, nitrogen dioxide, and lead.

Ground level ozone continues to present a problem for the entire Baltimore metropolitan area, which is classified as a non-attainment area for ozone. The primary contributors to the formation of ozone are emissions of oxides of nitrogen, primarily from combustion equipment, and emissions of Volatile Organic Compounds (VOC) such as paint solvents and gasoline vapors. Baltimore City is included in the non-attainment area for ozone.

With regard to toxic air pollutants (TAPs), screening levels (i.e., acceptable ambient concentrations for toxic air pollutants) are generally established at 1/100 of allowed worker exposure levels (TLVs)¹. The Department has also developed additional screening levels for carcinogenic compounds. The additional screening levels are established such that continuous exposure to the subject TAP at the screening level for a period of 70 years is expected to cause an increase in lifetime cancer risk of no more than 1 in 100,000.

V. ENVIRONMENTAL JUSTICE ANALYSIS

The concept behind the term environmental justice (EJ) is that regardless of race, color, national origin, or income, all Maryland residents and communities should have an equal opportunity to enjoy an enhanced quality of life. How to assess whether equal protection is being applied is the challenge.

Communities surrounded by a disproportionate number of polluting facilities puts residents at a higher risk for health problems from environmental exposures. It is important that residents who may be adversely affected by a proposed source be aware of the current environmental issues in their community in order to have meaningful involvement in the permitting process. Resources may be available from government and private entities to ensure that community health is not negatively impacted by a new source located in the community.

Extensive research has documented that health disparities exist between demographic groups in the United States, such as differences in mortality and morbidity associated with factors that include race/ethnicity, income, and educational attainment.

The Maryland General Assembly passed HB 1200, effective October 1, 2022, that adds to MDE's work incorporating diversity, equity and inclusion into our mission to help overburdened and underserved communities with environmental issues. In accordance with HB 1200/Ch, 588 of 2022, the applicant provided an environmental justice (EJ) Score for the census tract in which the proposed source is located using the Maryland EJ mapping tool. The EJ Score, expressed as a statewide percentile, was shown to be 95 which the Department has verified. This score considered three demographic indicators – minority population above 50%, poverty rate above 25% and limited English proficiency above 15%, to identify underserved communities, and multiple environmental health indicators to identify overburdened communities.

To account for other sources of pollution surrounding the proposed source, the Department conducted an additional EJ Score analysis to evaluate the impact of other sources located within 1 mile of the proposed source. The highest EJ Score in a census tract located within 1 mile of the proposed source, expressed as a statewide percentile, was shown to be 95.

¹ TLVs are threshold limit values (exposure limits) established for toxic materials by the American Conference of Governmental Industrial Hygienists (ACGIH). Some TLVs are established for short-term exposure (TLV – STEL), and some are established for longer-term exposure (TLV – TWA), where TWA is an acronym for time-weight average.

An EJ Score of 75 or greater indicates that the proposed installation is located in an area that is disproportionately impacted by pollution resulting in a higher risk of health problems from environmental exposures. As a result, the Department required the applicant to conduct additional community outreach prior to reviewing the permit application in order to ensure that residents were afforded broader opportunities to participate in the permit process and understand the impacts that the proposed installation may have on them and the community.

The applicant attended a community meeting on January 25, 2024 with the Southeast Community Development Corporation (CDC), a non-profit community improvement group in the area where Schuster Concrete Ready Mix LLC's facility is located. The applicant discussed their application and proposed installation with the group. The Department also reached out to Southeast CDC in August 2024 and determined that the group does not have any concerns regarding this project.

VI. COMPLIANCE DEMONSTRATION AND ANALYSIS

The proposed installation must comply with all State imposed emissions limitations and screening levels, as well as the NAAQS. The Department has conducted an engineering and air quality review of the application. The emissions were projected based on U.S. EPA emission factors for crushing and screening plants and U.S. EPA engine tier emission limits for diesel engines. The conservative U.S. EPA's SCREEN3 model was used to project the maximum ground level concentrations from the proposed facility, which were then compared to the screening levels and the NAAQS.

- A. Estimated Emissions** - The maximum emissions of air pollutants of concern from the proposed installation are listed in Table I.
- B. Compliance with National Ambient Air Quality Standards** - The maximum ground level concentrations for nitrogen dioxide, sulfur dioxide, carbon monoxide, and particulate matter based on the emissions from the proposed installation are listed in column 2 of Table II. The combined impact of the projected contribution from the proposed installation and the ambient background concentration for each pollutant shown in column 3 of Table II is less than the NAAQS for each pollutant shown in column 4.
- C. Compliance with Air Toxics Regulations** – The toxic air pollutant of concern that would be emitted from this installation is listed in column 1 of Table III. The predicted maximum off-site ambient concentrations of this toxic air pollutant is shown in column 4 of Table III, and the maximum concentration is less than the corresponding screening level for the toxic air pollutant shown in column 2.

VI. TENTATIVE DETERMINATION

Based on the above information, the Department has concluded that the proposed installation will comply with all applicable Federal and State air quality control requirements. In accordance with the Administrative Procedure Act, Department has made a tentative determination to issue the Permit to Construct.

Enclosed with the tentative determination is a copy of the draft Permit to Construct.

**TABLE I
PROJECTED MAXIMUM EMISSIONS FROM THE PROPOSED INSTALLATION**

POLLUTANT	PROJECTED MAXIMUM EMISSIONS FROM PROPOSED INSTALLATION	
	(lbs/day)	(tons/year)
Nitrogen Dioxide (NO ₂)	1.68	0.140
Sulfur Dioxide (SO ₂)	5.22	0.433
Carbon Monoxide (CO)	17.10	1.420
Volatile Organic Compounds (VOC)	0.79	0.065
Particulate Matter (PM ₁₀)	0.44	0.04

**TABLE II
PROJECTED IMPACT OF EMISSIONS OF CRITERIA POLLUTANTS FROM THE PROPOSED INSTALLATION ON AMBIENT AIR QUALITY**

POLLUTANTS	MAXIMUM OFF-SITE GROUND LEVEL CONCENTRATIONS CAUSED BY EMISSIONS FROM PROPOSED PROCESS (µg/m ³)	BACKGROUND AMBIENT AIR CONCENTRATIONS (µg/m ³)*	NATIONAL AMBIENT AIR QUALITY STANDARDS (NAAQS) (µg/m ³)
Nitrogen Dioxide (NO ₂)	annual avg. → 1.63	annual avg. → 12.9	annual avg. → 100
Carbon Monoxide (CO)	8-hour max → 144.81 1-hour max → 206.87	8-hr max. → 1259 1-hr max. → 2977	8-hr max. → 10,000 1-hr max. → 40,000
Sulfur Dioxide (SO ₂)	24-hour max. → 25.23 annual avg. → 5.05	24-hour max. → 4.98 annual avg. → 0.79	24-hour max. → 366 annual avg. → 78.5
Particulate Matter (PM ₁₀)	24-hr max → 13.53	24-hr max. → 101	24-hr max. → 150

*Background concentrations were obtained from Maryland air monitoring stations as follows:

CO and SO₂ → 600 Dorsey Avenue, Essex, in Baltimore County
NO₂ and PM₁₀ → 3900 Hillen Road in Baltimore City

**TABLE III
 PREDICTED MAXIMUM OFF-SITE AMBIENT CONCENTRATIONS FOR
 TOXIC AIR POLLUTANTS EMITTED FROM THE PROPOSED INSTALLATION**

TOXIC AIR POLLUTANTS	SCREENING LEVELS ($\mu\text{g}/\text{m}^3$)	PROJECTED WORST-CASE FACILITY-WIDE EMISSIONS (lbs/hr)	PREDICTED MAXIMUM OFF-SITE GROUND LEVEL CONCENTRATIONS ($\mu\text{g}/\text{m}^3$)
Crystalline Silica (CAS No. 14808-60-7)	1-hour→ None 8-hour→ 0.25 Annual→ None	0.000024	1-hour→ None 8-hour→ 0.014 Annual→ None

The values represent maximum facility-wide emissions of toxic air pollutants during any 1-hour period of facility operation.

The values are based on worst-case emissions from the proposed facility and were predicted by EPA's SCREEN3 model, which provides conservative estimations concerning the impact of pollutants on ambient air quality.

DRAFT PERMIT

Wes Moore

Serena McIlwain

Air and Radiation Administration

1800 Washington Boulevard, Suite 720
Baltimore, MD 21230

Construction Permit

Operating Permit

PERMIT NO.
As Listed on Page 2

DATE ISSUED:
[Date of Issuance]

PERMIT FEE:
\$2,000.00 (Paid)

EXPIRATION DATE:
In accordance with
COMAR 26.11.02.04B

LEGAL OWNER & ADDRESS

Schuster Concrete Ready Mix LLC
3713 Crondall Lane
Owings Mills, MD 21117
Attention: Mr. Noah Harmon, Environmental
Administrator

SITE

Schuster Concrete Ready Mix LLC –
Monument Street
3625 East Monument Street
Baltimore, MD 21205
AI # 20178

SOURCE DESCRIPTION

Concrete Reprocessing Facility.

This permit authorizes the installation of one (1) waste concrete crushing and screening plant.

This permit serves as a temporary permit to operate for a period of up to 180 days after initiating operation of the crushing and screening plant authorized by this permit.

This permit supersedes all previous permits to construct issued to ARA Premises No. 510-3302.

This source is subject to the conditions described on the attached pages.

Program Manager

Director, Air and Radiation Administration

**SCHUSTER CONCRETE READY MIX LLC – MONUMENT STREET
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES No. 510-3302**

INDEX

- Part A – General Provisions
- Part B – Applicable Regulations
- Part C – Construction Conditions
- Part D – Operating Conditions
- Part E – Notifications and Testing
- Part F – Monitoring, Record Keeping and Reporting
- Part G – Temporary Permit-To-Operate Conditions

This permit to construct is issued to cover the following registrations:

ARA Registration Number	Description	Date of Installation
510-3302-6-3133	Waste concrete crushing and screening plant consisting of one (1) MetroTrak 2.5 ton per hour crusher powered by one (1) 188 horsepower diesel engine and one (1) McCloskey 13 ton per hour screener powered by one (1) 130 horsepower diesel engine. Wet suppression systems are used to control fugitive dust emissions.	2024
510-3302-6-3134	One (1) 150 cubic yards per hour portable Vince Hagan HSM 12000C concrete batch plant controlled by one (1) baghouse.	2004
510-3302-6-2617	One (1) 150 cubic yards per hour Cemco ready-mix concrete plant controlled by one (1) baghouse.	2002
510-3302-4-3309	One (1) Infernotherm diesel fired boiler rated at 1.4 million BTU/hr.	2005
510-3302-4-3310	One (1) Infernotherm diesel fired boiler rated at 2.7 million BTU/hr.	2007

Part A – General Provisions

- (1) The following Air and Radiation Administration (ARA) permit-to-construct applications and supplemental information are incorporated into this permit by reference:
 - (a) All valid applications for Processing or Manufacturing Equipment (Form 5) received at the Department prior to issuance of this permit. This includes the Form 5 application submitted on November 6, 2023 for the installation of one (1) MetroTrak waste concrete crusher rated

**SCHUSTER CONCRETE READY MIX LLC – MONUMENT STREET
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES No. 510-3302**

at up to 220 tons per hour and powered by one (1) 188 horsepower diesel engine, and the Form 5 application submitted on December 19, 2024, for the installation of one (1) McCloskey 13 ton per hour screener powered by one (1) 130 horsepower diesel engine.

- (b) All valid Toxic Air Pollutant (TAP) Emissions Summary and Compliance Demonstration (Form 5T) received at the Department prior to issuance of this permit. This includes the Form 5T received at the Department on November 6, 2023.
- (c) Supplemental Information including emissions calculations, vendor specifications, a safety data sheet, a site plan, zoning approval, and a process flow diagram received at the Department prior to issuance of this permit.

If there are any conflicts between representations in this permit and representations in the applications, the representations in the permit shall govern. Estimates of dimensions, volumes, emissions rates, operating rates, feed rates and hours of operation included in the applications do not constitute enforceable numeric limits beyond the extent necessary for compliance with applicable requirements.

- (2) Upon presentation of credentials, representatives of the Maryland Department of the Environment (“MDE” or the “Department”) and the Baltimore City Health Department shall at any reasonable time be granted, without delay and without prior notification, access to the Permittee’s property and permitted to:
 - (a) inspect any construction authorized by this permit;
 - (b) sample, as necessary to determine compliance with requirements of this permit, any materials stored or processed on-site, any waste materials, and any discharge into the environment;
 - (c) inspect any monitoring equipment required by this permit;
 - (d) review and copy any records, including all documents required to be maintained by this permit, relevant to a determination of compliance with requirements of this permit; and
 - (e) obtain any photographic documentation or evidence necessary to determine compliance with the requirements of this permit.
- (3) The Permittee shall notify the Department prior to increasing quantities and/or changing the types of any materials referenced in the application or limited by

**SCHUSTER CONCRETE READY MIX LLC – MONUMENT STREET
PERMIT-TO-CONSTRUCT CONDITIONS
PREMISES No. 510-3302**

this permit. If the Department determines that such increases or changes constitute a modification, the Permittee shall obtain a permit-to-construct prior to implementing the modification.

- (4) Nothing in this permit authorizes the violation of any rule or regulation or the creation of a nuisance or air pollution.
- (5) If any provision of this permit is declared by proper authority to be invalid, the remaining provisions of the permit shall remain in effect.
- (6) This permit supersedes all previous permits-to-construct issued to ARA Premises No. 510-3302.
- (7) Subsequent to issuance of this permit, the Department may impose additional and modified requirements that are incorporated into a State permit-to-operate issued pursuant to COMAR 26.11.02.13.

Part B – Applicable Regulations

- (1) This source is subject to all applicable federal air pollution control requirements including, but not limited to, the following:
 - (a) All applicable terms, provisions, emissions standards, testing, monitoring, record keeping, and reporting requirements included in federal New Source Performance Standards (NSPS) promulgated under 40 CFR 60, Subparts A and OOO for Nonmetallic Mineral Processing Plants.
 - (b) All applicable terms, provisions, emissions standards, testing, monitoring, record keeping, and reporting requirements included in the National Emissions Standards for Hazardous Air Pollutants (NESHAP) promulgated under 40 CFR 63, Subparts A and JJJJJJ for Industrial, Commercial, and Institutional Boilers Area Sources.

All notifications required under 40 CFR 60, Subparts A and OOO, and 40 CFR 63, Subparts A and JJJJJJ, shall be submitted to both of the following:

The Administrator
Compliance Program
Maryland Department of the Environment
Air and Radiation Administration
1800 Washington Boulevard, STE 715

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Baltimore MD 21230

and

United States Environmental Protection Agency
Region III, Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, PA 19103-2852

- (2) This source is subject to all applicable federally enforceable State air pollution control requirements including, but not limited to, the following regulations:
- (a) COMAR 26.11.01.07C, which requires that the Permittee report to the Department occurrences of excess emissions.
 - (b) COMAR 26.11.02.04B, which states that a permit to construct or an approval expires if, as determined by the Department:
 - (i) Substantial construction or modification is not commenced within 18 months after the date of issuance of the permit or approval, unless the Department specifies a longer period in the permit or approval;
 - (ii) Construction or modification is substantially discontinued for a period of 18 months after the construction or modification has commenced; or
 - (iii) The source for which the permit or approval was issued is not completed within a reasonable period after the date of issuance of the permit or approval.
 - (c) COMAR 26.11.02.09A, which requires that the Permittee obtain a permit-to-construct if an installation is to be modified in a manner that would cause changes in the quantity, nature, or characteristics of emissions from the installation as referenced in this permit.
 - (d) COMAR 26.11.06.03C and D, which requires that the Permittee take reasonable precautions to prevent particulate matter from unconfined sources and materials handling and construction operations from becoming airborne.

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- (e) COMAR 26.11.06.12, which prohibits the construction, modification, or operation of an NSPS source in a manner which results or will result in a violation of the provisions of 40 CFR, Part 60.
 - (f) COMAR 26.11.06.02C(2), which prohibits visible emissions other than uncombined water.
 - (g) COMAR 26.11.06.03B(2), which limits the concentration of particulate matter in any exhaust gases to not more than 0.03 grains per standard cubic foot of dry exhaust gas.
 - (h) COMAR 26.11.06.03C and D, which requires that the Permittee take reasonable precautions to prevent particulate matter from unconfined sources and materials handling and construction operations from becoming airborne.
 - (i) COMAR 26.11.09.05E, which limits visible emissions from the diesel engines to 10 percent and 40 percent opacity during idle and operating modes, respectively. Exceptions to these opacity limits are as follows:
 - (i) The 10 percent opacity limit during idle mode does not apply for a period of 2 consecutive minutes after a period of idling of 15 minutes for the purpose of clearing the exhaust system;
 - (ii) The 10 percent opacity limit during idle mode does not apply to emissions resulting directly from a cold engine start-up and warm-up for the following maximum periods:
 - (A) Engines that are idling continuously when not in service: 30 minutes; and
 - (B) All other engines: 15 minutes.
 - (iii) COMAR 26.11.09.05E(2) and (3) do not apply while maintenance, repair, or testing is being performed by qualified mechanics.
 - (j) COMAR 26.11.09.07A(1), which limits the sulfur content of distillate fuel oils to not more than 0.3 percent by weight.
- (3) This source is subject to all applicable State-only enforceable air pollution control requirements including, but not limited to, the following regulations:

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- (a) COMAR 26.11.02.13A(16), which requires that the Permittee obtain from the Department, and maintain and renew as required, a valid State permit-to-operate.
- (b) COMAR 26.11.02.19C & D, which require that the Permittee submit to the Department annual certifications of emissions, and that the Permittee maintain sufficient records to support the emissions information presented in such submittals.
- (c) COMAR 26.11.06.08 and 26.11.06.09, which generally prohibit the discharge of emissions beyond the property line in such a manner that a nuisance or air pollution is created.
- (d) COMAR 26.11.15.05, which requires that the Permittee implement “Best Available Control Technology for Toxics” (T – BACT) to control emissions of toxic air pollutants.
- (e) COMAR 26.11.15.06, which prohibits the discharge of toxic air pollutants to the extent that such emissions would unreasonably endanger human health.

Part C – Construction Conditions

- (1) Except as otherwise provided in this part, the waste concrete crushing and screening plant consisting of one (1) MetroTrak 2.5 ton per hour crusher powered by one (1) 188 horsepower diesel engine and one (1) McCloskey 13 ton per hour screener powered by one (1) 130 horsepower diesel engine (ARA Registration No. 510-3302-6-3133) shall be constructed in accordance with specifications included in the incorporated applications.
- (2) The Permittee shall equip the crushing and screening plant with wet suppression systems to comply with the particulate matter handling requirements of COMAR 26.11.06.03C and D, and 40 CFR 60, Subpart OOO.

Part D – Operating Conditions

- (1) Except as otherwise provided in this part, the waste concrete crushing and screening plant consisting of one (1) MetroTrak 2.5 ton per hour crusher powered by one (1) 188 horsepower diesel engine and one (1) McCloskey 13 ton per hour screener powered by one (1) 130 horsepower diesel engine (ARA Registration No. 510-3302-6-3133) shall be operated in accordance with specifications included in the application and any operating procedures recommended by

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equipment vendors unless the Permittee obtains from the Department written authorization for alternative operating procedures.

- (2) The Permittee shall only process waste concrete in the crushing and screening plant (ARA Registration No. 510-3302-6-3133) unless the Permittee obtains an approval from the Department to process other materials.
- (3) The Permittee shall maintain the maximum crushing rate of waste concrete at or below 15 tons per hour in the waste concrete crushing and screening plant unless the Permittee obtains an approval from the Department to process waste concrete at a higher rate and can demonstrate compliance with the National Ambient Air Quality Standard for particulate matter, as PM-10, at a higher rate.
- (4) Wet suppression systems shall be used as needed to comply with the fugitive particulate matter requirements of COMAR 26.11.06.03C and D, and the following opacity limits specified in 40 CFR, Part 60, Subpart OOO for affected facilities at nonmetallic mineral processing plants constructed, modified, or reconstructed on or after April 22, 2008:
 - (a) No more than 12 percent opacity from each crusher; and
 - (b) No more than 7 percent opacity from all other fugitive sources (grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility).

[Reference: 40 CFR §60.672(b) and Table 3 to 40 CFR 60 Subpart OOO]
- (5) All engines at the facility shall be nonroad engines, as defined in 40 CFR §1068.30, unless the Permittee complies with the stationary engine requirements of 40 CFR 60, Subpart IIII and 40 CFR 63, Subpart ZZZZ, as applicable, for each engine.
- (6) The engines associated with the crushing and screening plant (ARA Registration No. 510-3302-6-3133) shall only burn diesel fuel with a maximum sulfur content of 0.3 percent by weight.
- (7) Fugitive dust from plant roads and stockpiles shall be controlled, as necessary, by using water, approved chemical dust suppressants or a combination of water and approved chemical dust suppressants.
- (8) Soils contaminated with petroleum-based fuels, other volatile organic compounds, or metals shall not be processed at the facility.

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- (9) The Permittee shall conduct a tune-up for the boilers at the facility once every five years (ARA Registration Nos. 510-3302-6-4-3309 and 4-3310). Each tune-up must be conducted no more than 61 months after the previous tune-up.
- (10) The Permittee shall not manufacture dry concrete or cement products (such as cinder block, concrete pipes, etc.), or use dry concrete or Portland cement in a manufacturing process unless the Permittee obtains an approval from the Department to manufacture or use these products.

Part E – Notifications and Testing

- (1) The Permittee shall submit written or electronic notification to the Department of the initial startup date of the crushing and screening plant (ARA Registration No. 510-3302-6-3133). **[Reference: 40 CFR §60.7(a)(3) and §60.676(i)]**
- (2) Not later than 180 days after initial startup date of the new crushing and screening plant (ARA Registration No. 510-3302-6-3133), the Permittee shall demonstrate compliance with all applicable opacity standards. **[Reference: 40 CFR §60.11(b) and §60.672(b)]**
- (3) The Permittee shall use Method 9 of Appendix A-4 to 40 CFR, Part 60 and the procedures in 40 CFR §60.11, with the following additions:
 - (a) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
 - (b) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of this part, Section 2.1) must be followed.
 - (c) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible. **[Reference: 40 CFR §60.675(c)(1)]**
- (4) The duration of the Method 9 (40 CFR, Part 60, Appendix A-4) observations must be 30 minutes (five 6-minute average). Compliance with the applicable opacity standards must be based on the average of the five 6-minute averages.

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[Reference: 40 CFR §60.675(c)(3)]

- (5) The Permittee shall submit notification of the intended date of the required Method 9 observations to the Department at least 30 days prior to that date.
- (6) Within 45 days following the Method 9 observations, the Permittee shall submit the results to the Department.
- (7) Each tune-up for the boilers at the facility shall be conducted as follows:
 - (a) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the burner inspection may be delayed until the next scheduled unit shutdown, but must be inspected at least once every 72 months).
 - (b) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.
 - (c) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the air-to-fuel ratio inspection may be delayed until the next scheduled unit shutdown, but must be inspected at least once every 72 months).
 - (d) Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available.
 - (e) Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made).
 - (f) Maintain onsite and submit, if requested by the Department, a report containing the following information:
 - (i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured before and after the tune-up of the boiler.
 - (ii) A description of any corrective actions taken as a part of the tune-up of the boiler.

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- (iii) The type and amount of fuel used over the 12 months prior to the tune-up of the boiler.

- (g) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within one week of startup. **[Reference: 40 CFR §63.11223]**

Part F – Monitoring, Record Keeping and Reporting

- (1) The Permittee shall perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression systems for affected facilities at nonmetallic mineral processing plants constructed, modified, or reconstructed on or after April 22, 2008. The Permittee must initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. **[Reference: 40 CFR §60.674(b) and 40 CFR §60.676(b)]**

- (2) The Permittee shall maintain for at least five (5) years, and shall make available to the Department upon request, records of the following information:
 - (a) Records of all equipment located at the site, including a description of the equipment, the rated capacity, and the installation date.

 - (b) The amount and types of material processed each month in tons per month in the crushing and screening plant (ARA Registration No. 510-3302-6-3133).

 - (c) Daily records of the operating hours in hours per day for the crushing and screening plant (ARA Registration No. 510-3302-6-3133) for each operating day.

 - (d) Daily records of the operating hours in hours per day for the engines associated with the crushing and screening plant (ARA Registration No. 510-3302-6-3133) for each operating day.

 - (e) The amount of diesel fuel burned in the engines associated with the crushing and screening plant (ARA Registration No. 510-3302-6-3133) each month.

 - (f) All opacity observation notifications and test results for the crushing and screening plant (ARA Registration No. 510-3302-6-3133).

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- (g) A copy of the notification of initial startup for the crushing and screening plant (ARA Registration No. 510-3302-6-3133).
- (h) A log in written or electronic format of each periodic inspection of the wet suppression system required under 40 CFR §60.674(b), including dates and any corrective actions taken.

Note: If the Permittee ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection (for example, water from recent rainfall), the logbook entry required under §60.676(b) must specify the control mechanism being used instead of the water sprays.

[Reference: 40 CFR §60.674(b), §60.676(b)(1), §60.676(b)(2), and Table 3 of 40 CFR, Part 60, Subpart OOO]

- (i) Copies of each notification and report submitted to comply with the General Permit conditions and the standards of 40 CFR §63.11225 and all documentation supporting submitted Initial Notifications and Notifications of Compliance Status.
 - (j) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.
 - (k) Records documenting the fuel type(s) used monthly by each boiler, including, but not limited to, a description of the fuel, and the total fuel usage amount with units of measure. **[Reference: 40 CFR §63.11225]**
- (3) The Permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards of 40 CFR §60.672(b) including reports of opacity observations made using Method 9 (40 CFR Part 60, Appendix A-4). **[Reference: 40 CFR §60.676(f)]**
- (4) Following the boiler tune-up, a compliance certification report for the previous calendar years must be prepared and submitted, upon request every five years, containing the following information:
- (a) Company name and address;
 - (b) Statement by a responsible official, with the official's name, title, phone number, email address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of

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whether the source has complied with all the relevant standards and other requirements of 40 CFR 63, Subpart JJJJJJ; and

[Reference: 40 CFR §63.11225]

- (5) The Permittee shall maintain at the facility for at least five (5) years, and shall make available to the Department upon request, records necessary to support annual certifications of emissions and demonstrations of compliance for toxic air pollutants. Such records shall include, if applicable, the following:
- (a) mass emissions rates for each regulated pollutant, and the total mass emissions rate for all regulated pollutants for each registered source of emissions;
 - (b) accounts of the methods and assumptions used to quantify emissions;
 - (c) all operating data, including operating schedules and production data, that were used in determinations of emissions;
 - (d) amounts, types, and analyses of all fuels used;
 - (e) any records, the maintenance of which is required by this permit or by State or federal regulations, that pertain to the operation and maintenance of continuous emissions monitors, including:
 - (i) all emissions data generated by such monitors;
 - (ii) all monitor calibration data;
 - (iii) information regarding the percentage of time each monitor was available for service; and
 - (iv) information concerning any equipment malfunctions.
 - (f) information concerning operation, maintenance, and performance of air pollution control equipment and compliance monitoring equipment, including:
 - (i) identifications and descriptions of all such equipment;
 - (ii) operating schedules for each item of such equipment;
 - (iii) accounts of any significant maintenance performed;

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- (iv) accounts of all malfunctions and outages; and
 - (v) accounts of any episodes of reduced efficiency.
 - (g) limitations on source operation or any work practice standards that significantly affect emissions; and
 - (h) other relevant information as required by the Department.
- (6) The Permittee shall submit to the Department by April 1 of each year a certification of emissions for the previous calendar year. The certifications shall be prepared in accordance with requirements, as applicable, adopted under COMAR 26.11.01.05 – 1 and COMAR 26.11.02.19D.
- (a) Certifications of emissions shall be submitted on forms obtained from the Department.
 - (b) A certification of emissions shall include mass emissions rates for each regulated pollutant, and the total mass emissions rate for all regulated pollutants for each of the facility's registered sources of emissions.
 - (c) The person responsible for a certification of emissions shall certify the submittal to the Department in the following manner:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."
- (7) The Permittee shall submit to the Department by April 1 of each year a written certification of the results of an analysis of emissions of toxic air pollutants from the Permittee's facility during the previous calendar year. Such analysis shall include either:
- (a) a statement that previously submitted compliance demonstrations for emissions of toxic air pollutants remain valid; or

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- (b) a revised compliance demonstration, developed in accordance with requirements included under COMAR 26.11.15 & 16, that accounts for changes in operations, analytical methods, emissions determinations, or other factors that have invalidated previous demonstrations.
- (8) The Permittee shall report, in accordance with requirements under COMAR 26.11.01.07, occurrences of excess emissions to the Compliance Program of the Air and Radiation Administration.

Part G – Temporary Permit-to-Operate Conditions

- (1) This permit-to-construct shall also serve as a temporary permit-to-operate that confers upon the Permittee authorization to operate the new crushing and screening plant (ARA Registration No. 510-3302-6-3133) for a period of up to 180 days after initiating operation of the new crushing and screening plant (ARA Registration No. 510-3302-6-3133).
- (2) The Permittee shall provide the Department with written or electronic notification of the date on which operation of the new crushing and screening plant (ARA Registration No. 510-3302-6-3133) is initiated. Such notification shall be provided within 15 business days of the date to be reported.
- (3) During the effective period of the temporary permit-to-operate the Permittee shall operate the new installation as required by the applicable terms and conditions of this permit-to-construct, and in accordance with operating procedures and recommendations provided by equipment vendors.
- (4) The Permittee shall submit to the Department an application for a State permit-to-operate no later than 60 days prior to expiration of the effective period of the temporary permit-to-operate.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

AIR AND RADIATION ADMINISTRATION

SUPPLEMENTAL INFORMATION REFERENCES

The Code of Maryland Regulations (COMAR) is searchable by COMAR citation at the following Division of State Documents website:

<http://www.dsd.state.md.us/COMAR/ComarHome.html>

The Code of Federal Regulations (CFR), including New Source Performance Standards (NSPS) at 40 CFR, Part 60 and National Emission Standards for Hazardous Air Pollutants (NESHAP) at 40 CFR, Parts 61 and 63, is searchable by CFR citation at the following U.S. Government Publishing Office website:

<http://www.ecfr.gov>

Information on National Ambient Air Quality Standards (NAAQS) is located at the following U.S. Environmental Protection Agency (EPA) website:

<https://www.epa.gov/criteria-air-pollutants/naaqs-table>

Information on Maryland's Ambient Air Monitoring Program is located at the following Maryland Department of the Environment website:

<http://mde.maryland.gov/programs/Air/AirQualityMonitoring/Pages/index.aspx>

Information on the U.S. EPA's Screen3 computer model and other EPA-approved air dispersion models is located at the following U.S. EPA website:

http://www.epa.gov/scram001/dispersion_screening.htm

Information on the U.S. EPA TANKS Emission Estimation Software is located at the following U.S. EPA website:

<http://www.epa.gov/ttn/chief/software/tanks/index.html>

Information on the U.S. EPA Emission Factors and AP-42 is located at the following U.S. EPA website:

<https://www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-air-emission-factors>