MARYLAND DEPARTMENT OF THE ENVIRONMENT

AIR AND RADIATION ADMINISTRATION
APPLICATION FOR A PERMIT TO CONSTRUCT

DOCKET #06-24

COMPANY: Laney Materials, LLC dba Laney Recycling and Aggregates

LOCATION: 14852 Old Gunpowder Road, Laurel, Maryland, 20707

APPLICATION: Modification of crushing and screening Plant C to replace the existing crushing and screening equipment with the installation of one (1) combined crusher and screen powered by one (1) 375 horsepower diesel engine and for the ability to replace the equipment in Plants A, B, and C with like-kind equipment as needed.

ITEM	DESCRIPTION
1	Notice of Application and Informational Meeting
2	Environmental Justice (EJ) Information - EJ Fact Sheet and MDE Score and Screening Report
3	Permit to Construct Application Forms - Forms 5, Forms 5EP, and Forms 44, Emission Calculations, Vendor Specifications, and Certification of Liability Insurance
4	Evidence of Zoning Approval

DEPARTMENT OF THE ENVIRONMENT
AIR AND RADIATION ADMINISTRATION

NOTICE OF APPLICATION AND INFORMATIONAL MEETING

The Maryland Department of the Environment, Air and Radiation Administration (ARA) received a permit-to-construct application from Laney Materials, LLC dba Laney Recycling and Aggregates on May 2, 2024 and May 23, 2024, for the modification of crushing and screening Plant C to replace the existing crushing and screening equipment with the installation of one (1) combined crusher and screen powered by one (1) 375 horsepower diesel engine and for the ability to replace the equipment in Plants A, B, and C with like-kind equipment as needed. The proposed modification will be located at 14852 Old Gunpowder Road, Laurel, Maryland, 20707.

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 Screening Tool. The EJ Score, expressed as a statewide percentile, was shown to be 31.7 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%. 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 06-24). 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, an Informational Meeting has been scheduled so that citizens can discuss the application and the permit review process with the applicant and the Department.

An Informational Meeting will be held on July 25, 2024 at 6:00 PM at the Laurel-Beltsville Senior Activity Center, 7120 Contee Road, Laurel, Maryland 20707.

The Department will provide an interpreter for deaf and hearing impaired persons provided that a request is made for such service at least ten (10) days prior to the meeting.

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
the Environment

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

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 for Laney Recycling & Aggregates

Area of Interest (AOI) Information

Area : 3.14 mi²

May 3 2024 11:07:19 Eastern Daylight Time

SITE ADDRESS: 14852 OLD GUNPOWDER RD.
LAUREL, MD 20707
Prince Georges County

Tabloid ANSI B Landscape

Summary

Name	Count	Area(mi²)	Length(mi)
MDE Final EJ Score (%ile score)	5	3.12	N/A
Overburdened Communities Combined Score	5	3.12	N/A
Overburdened Pollution Environmental Score (%ile score)	5	3.14	N/A
Overburdened Exposure Score (%ile score)	5	3.14	N/A
Overburdened Sensitive Population (%ile score)	5	3.14	N/A
Socioeconomic/Demographic Score 2020 (Percentile score) (Underserved Community)	5	3.12	N/A
Air Emissions Facilities	2	N/A	N/A
Sulfur Dioxide (2010)	0	0	N/A
Ozone (2015)	2	3.14	N/A
Fine Particles (2012)	2	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	2	3.14	N/A
Biosolids FY2015 - 2019 Permits Distribution By Acreage	2	3.14	N/A
Biosolids FY2010 - 2014 Permits Distribution By Acreage	2	3.14	N/A
Biosolids FY2009 Permits Expired Distribution By Acreage	2	3.14	N/A
Biosolids FY 2020 and Current Permit Distribution By Percent Coverage	2	3.14	N/A
Biosolids FY2015 - 2019 Permit Distribution By Percent Coverage	2	3.14	N/A
Biosolids FY2010 - 2014 Permit Distribution By Percent Coverage	2	3.14	N/A
Biosolids FY2009 Expired Permit Distribution By Percent Coverage	2	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	0	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	0	N/A	N/A
Grocery Stores	0	N/A	N/A
10 Miles from Landfill	3	8.49	N/A
10 Miles from Composting Facility	4	9.49	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	1	N/A	N/A
Determinations (points)	2	N/A	N/A
Determinations (areas)	2	0.06	N/A
Entities	3	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	0	N/A	N/A
Municipal Solid Waste Acceptance Facilities	0	N/A	N/A
Maryland Dam Locations	1	N/A	N/A
Maryland Pond Locations	37	N/A	N/A
Surface Water Intakes	0	N/A	N/A
Wastewater Discharge Facilities	4	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(mi²)
1	24033800203	Census Tract 8002.03, Prince George's County, Maryland	4460	26.67	31.72	1.74
2	24031701427	Census Tract 7014.27, Montgomery County, Maryland	3697	31.35	60.08	0.99
3	24031701426	Census Tract 7014.26, Montgomery County, Maryland	6927	33.00	70.40	0.35
4	24033807407	Census Tract 8074.07, Prince George's County, Maryland	5687	34.11	74.37	0.02
5	24031701423	Census Tract 7014.23, Montgomery County, Maryland	5657	33.47	71.98	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	24033800203	Census Tract 8002.03, Prince George's County, Maryland	4,460	47.70	66.85	3.90	24.74	57.10
2	24031701427	Census Tract 7014.27, Montgomery County, Maryland	3,697	45.75	42.79	3.05	18.66	68.39
3	24031701426	Census Tract 7014.26, Montgomery County, Maryland	6,927	46.40	49.35	3.91	24.88	70.14
4	24033807407	Census Tract 8074.07, Prince George's County, Maryland	5,687	47.25	60.97	6.58	44.22	68.12
5	24031701423	Census Tract 7014.23, Montgomery County, Maryland	5,657	46.74	54.00	5.58	37.05	58.64

#	Sensitive_Population_Percentile	OverburdenedAllPercent	OverburdenedAllPercentile	Area(mi²)
1	44.29	33.49	43.61	1.74
2	69.65	46.07	41.56	0.99
3	73.96	57.96	80.93	0.35
4	69.24	61.04	81.95	0.02
5	46.89	41.22	83.05	0.01

Overburdened Pollution Environmental Score (%ile score)

#	GEOID20	Geographic_Area_Name	RentalsOccupiedPre79Percent	Percentile	PercentRMP	PercentRMPEJ	PercentHazWaste	PercentHazWasteEJ
1	24033800203	Census Tract 8002.03, Prince George's County, Maryland	2.95	16.75	17.38	28.17	4.64	20.75
2	24031701427	Census Tract 7014.27, Montgomery County, Maryland	4.28	14.63	9.98	38.07	3.51	30.55
3	24031701426	Census Tract 7014.26, Montgomery County, Maryland	6.48	38.76	5.53	30.84	4.13	33.39
4	24033807407	Census Tract 8074.07, Prince George's County, Maryland	23.26	82.43	4.37	29.36	14.62	49.62
5	24031701423	Census Tract 7014.23, Montgomery County, Maryland	22.31	75.87	3.90	33.24	4.31	41.35

#	PercentSuperFundNPL	PercentSuperFundNPLEJ	PercentHazWW	PercentHazWWEJ	BrownFPercent	Percentile_1	PercentPowerPlants	Percentile_12
1	8.12	26.05	1.98	2.98	0.00	0.00	0.00	0.00
2	8.73	43.66	0.99	2.98	0.00	0.00	0.00	0.00
3	8.14	43.32	10.91	23.80	0.00	0.00	0.00	0.00
4	13.02	53.77	3.97	9.92	0.00	0.00	0.00	0.00
5	8.82	55.92	10.91	28.76	0.00	0.00	0.00	0.00

#	PercentCAFOS	Percentile_12_13	PercentActiveMines	Percentile_12_13_14	PollutionEnvironmentalPercent	PollnEnvironmentalPercentile	Area(mi²)
1	0.00	0.00	0.00	0.00	3.90	24.74	1.76
2	0.00	0.00	0.00	0.00	3.05	18.66	1.00
3	0.00	0.00	0.00	0.00	3.91	24.88	0.35
4	0.00	0.00	0.00	0.00	6.58	44.22	0.02
5	0.00	0.00	0.00	0.00	5.58	37.05	0.01

Overburdened Exposure Score (%ile score)

#	GEOID20	Geographic_Area_Name	Total_Pop	PercentNATA_Cancer	Percentile_NATA_Cancer	PercentNATA_Resp_HI	Percentile_NATA_Resp_HI	PercentNATA_Diesel
1	24033800203	Census Tract 8002.03, Prince George's County, Maryland	4,460.00	60.00	29.00	80.00	32.34	34.18
2	24031701427	Census Tract 7014.27, Montgomery County, Maryland	3,697.00	60.00	47.26	80.00	52.71	32.65
3	24031701426	Census Tract 7014.26, Montgomery County, Maryland	6,927.00	60.00	48.21	80.00	53.77	32.65
4	24033807407	Census Tract 8074.07, Prince George's County, Maryland	5,687.00	60.00	50.58	80.00	56.41	38.51
5	24031701423	Census Tract 7014.23, Montgomery County, Maryland	5,657.00	60.00	59.71	80.00	66.60	33.22

#	Percentile_NATA_Diesel	PercentNATA_PM25	PercentileNATA_PM25	PercentOzone	PercentileOzone	PercentTraffic	PercentileTraffic	PercentTRI
1	26.26	95.86	26.74	96.51	29.45	9.81	28.42	5.26
2	41.60	96.35	44.57	96.23	47.37	0.74	14.47	0.00
3	42.43	96.35	45.47	96.23	48.32	5.93	40.75	0.00
4	49.68	95.38	45.58	95.75	49.34	8.33	47.71	0.00
5	53.32	96.14	55.06	95.84	58.26	8.68	57.06	0.00

#	PercentileTRI	PercentHazWasteLF	Percentile_HazWasteLF	PollutionExposurePercent	PollutionExposurePercentile	Area(mi²)
1	80.18	0.00	0.00	47.70	66.85	1.76
2	0.00	0.00	0.00	45.75	42.79	1.00
3	0.00	0.00	0.00	46.40	49.35	0.35
4	0.00	0.00	0.00	47.25	60.97	0.02
5	0.00	0.00	0.00	46.74	54.00	0.01

Overburdened Sensitive Population (%ile score)

#	GEOID20	Geographic_Area_Name	PerAstma	PercentileAst	PerMyo	PercentileMyo	PerLow	PercentileLow
1	24033800203	Census Tract 8002.03, Prince George's County, Maryland	45.40	55.02	48.90	55.64	40.40	50.24
2	24031701427	Census Tract 7014.27, Montgomery County, Maryland	56.50	56.66	59.15	55.78	57.92	59.67
3	24031701426	Census Tract 7014.26, Montgomery County, Maryland	69.42	93.44	71.17	93.03	45.73	79.84
4	24033807407	Census Tract 8074.07, Prince George's County, Maryland	62.10	80.79	66.80	81.61	48.80	73.27
5	24031701423	Census Tract 7014.23, Montgomery County, Maryland	44.70	64.05	48.30	64.87	49.50	73.68

#	PercentBroad	PercentileBroad	PercentSens	PercentileSens	Area(mi²)
1	5.50	30.49	35.05	47.85	1.76
2	0.00	0.00	43.39	43.03	1.00
3	5.75	39.71	48.02	76.50	0.35
4	5.21	42.04	45.73	69.43	0.02
5	7.96	53.38	37.61	64.00	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 acoss Maryland)	Area(mi²)
1	24033800203	Census Tract 8002.03, Prince George's County, Maryland	4,460	7.26	51.46	1.41	20.04	44.76	1.74
2	24031701427	Census Tract 7014.27, Montgomery County, Maryland	3,697	6.14	89.56	3.95	33.22	69.16	0.99
3	24031701426	Census Tract 7014.26, Montgomery County, Maryland	6,927	13.93	83.69	3.43	33.68	69.91	0.35
4	24033807407	Census Tract 8074.07, Prince George's County, Maryland	5,687	14.72	87.69	8.23	36.88	76.22	0.02
5	24031701423	Census Tract 7014.23, Montgomery County, Maryland	5,657	28.92	91.99	10.97	43.96	88.97	0.01

Air Emissions Facilities

#	Agency Interest ID	Facilty Name	Agency Interest Alt Name	Premises ID	Emission Year	Air Code	NAIC Code	NAIC Description
1	3395	Laurel Sand and Gravel, Inc - Laurel	Laurel Sand and Gravel, Inc - Laurel-3395	033-0011	2021	SOP	324,121	Asphalt Paving Mixture and Block Manufacturing
2	20249	The Recycling Center	The Recycling Center-20249	033-1711	2021	SOP	327,992	Ground or Treated Mineral and Earth Manufacturing

#	Physical Address	Physical City	Physical State	Physical Zip Code	County	Carbon Monoxide (CO)	Nitrous Oxide	Particulate Matter (PT)
1	5401 Van Dusen Rd	Laurel	MD	20,707	Prince George's	130.55	27.28	21.05
2	14852 Old Gunpowder Rd	Laurel	MD	20,707	Prince George's	27.34	59.25	10.95

#	Particulate Matter (10 Filterable)	Particulate Matter (2.5 Filterable)	PM Condensables	Volatile Organic Compounds (VOC)	Sulphur Dioxide (SOx)	Carbon Dioxide	Mercury	Methane
1	7.20	3.54	19.23	31.87	3.35	37,370.13	0.00	0.00
2	7.80	0.17	0.00	5.46	5.84	4,786.57	0.00	0.00

#	Billable Criteria Pollutants (BCRI)	Billiable Hazardous Pollutants (BHAP)	Total Billable and Non-Bilable Hazardous Air Pollutant Emissions (HAPS)	Count
1	88.94	0.00	3.42	1
2	78.35	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(mi²)
1	24	033	01714670	24033	Prince George's	Washington DC-MD-VA	Nonattainment	Moderate	*No Data*	1.77
2	24	031	01712500	24031	Montgomery	Washington DC-MD-VA	Nonattainment	Moderate	*No Data*	1.37

Fine Particles (2012)

#	STATEFP10	COUNTYFP10	COUNTYNS10	GEOID10	NAME10	PM2.5 (2012) Status	Area(mi²)
1	24	033	01714670	24033	Prince George's	Attainment/Unclassifiable	1.77
2	24	031	01712500	24031	Montgomery	Attainment/Unclassifiable	1.37

Biosolids FY 2020 and Current Permits Distribution By Acreage

#	County Name	FY2020andAfter	Area(mi²)
1	Montgomery	244.00	1.38
2	Prince George's	277.10	1.76

Biosolids FY2015 - 2019 Permits Distribution By Acreage

#	County Name	FY2015to2019	Area(mi²)
1	Montgomery	*No Data*	1.38
2	Prince George's	170.20	1.76

Biosolids FY2010 - 2014 Permits Distribution By Acreage

#	County Name	FY2010to2014	Area(mi²)
1	Montgomery	1,057.20	1.38
2	Prince George's	81.95	1.76

Biosolids FY2009 Permits Expired Distribution By Acreage

#	County Name	FY2009	Area(mi²)
1	Montgomery	*No Data*	1.38
2	Prince George's	*No Data*	1.76

Biosolids FY 2020 and Current Permit Distribution By Percent Coverage

#	County Name	FY2020andAfter	Area(mi²)
1	Montgomery	244.00	1.38
2	Prince George's	277.10	1.76

Biosolids FY2015 - 2019 Permit Distribution By Percent Coverage

#	County Name	FY2015to2019	Area(mi²)
1	Montgomery	*No Data*	1.38
2	Prince George's	170.20	1.76

Biosolids FY2010 - 2014 Permit Distribution By Percent Coverage

#	County Name	FY2010to2014	Area(mi²)
1	Montgomery	1,057.20	1.38
2	Prince George's	81.95	1.76

Biosolids FY2009 Expired Permit Distribution By Percent Coverage

#	County Name	FY2009	Area(mi²)
1	Montgomery	*No Data*	1.38
2	Prince George's	*No Data*	1.76

10 Miles from Landfill

#	County	Type	Facility_N	ADDRESS	FILL	SITE__ACRE	AI_No_	Owner_Type
1	HOWARD	WPT	AmeriwastePF&TS	7150 Kit Kat Road, Elkridge MD 21075.	-	12.89	36,535.00	PRI
2	ANNEARUNDEL	WPT	Annapolis Junction PF &TS	8077 Brock Bridge Road, Jessup MD 20794.	-	17.00	15,228.00	PRI
3	PRINCEGEORGE'S	WPF	Sun ServicesPF	11210 Somerset Avenue, Beltsville MD 20705	4.3	0.00	21,791.00	PRI

#	MD_GRID__E	PERMITNUMB	EXPIRATION	Area(mi²)
1	865 /489	2011-WPT-0572	11/2/2016, 8:00 PM	2.21
2	860 /470	2011-WPT-0158	3/23/2016, 8:00 PM	3.14
3	828/438	2009-WPF-0639	4/5/2016, 8:00 PM	3.14

10 Miles from Composting Facility

#	County	Facility	Address	Accepts_Fo	Location_o	Area(mi²)
1	*No Data*	ACME Biomass Reduction Inc.	21601 Newhampshire Ave, Brookeville, MD 20833	No	21601 New Hampshire Ave, Brookeville, MD 20833	0.08
2	*No Data*	Aspen Nursery	1570 New hampshire Ave, Silver Spring, MD 20905	No	New Hampshire Ave, Silver Spring, MD 20905	3.14
3	*No Data*	City of College Park	9217 51st Avenue, College Park, MD 20740	No	9217 51st Ave, College Park, MD 20740	3.14
4	*No Data*	County Nursery Inc.	3330 Spencerville Road, Burtonsville, MD	No	3330 Spencerville Rd, Burtonsville, MD 20866	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	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
3	Prince George's County Organics Composting Facility	Angie Webb, Recycling Coordinator	(240) 904-4630	awebb@menv.com	*No Data*	*No Data*	*No Data*	https://www.princegeorgescountymd.gov/583/Organics-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	MD1308	Center Property at Fairland	Center Property at Fairland (Parcel 340); includes Bentley Park (Parcel C)	Off Gunpowder Road, adjacent to Minnick Industrial Park	Burtonsville	Maryland	Montgomery	20866	26.00	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	Center Property at Fairland	Fairland Development II, LLC	11/29/2007, 7:00 PM	NFRD	8/24/2017, 8:00 PM	Yes	No	Yes	1
2	Center Property at Fairland	Bentley Park, LLC	9/3/2018, 8:00 PM	EC Only	*No Data*	Yes	No	Yes	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(mi²)
1	Center Property at Fairland	Bentley Park, LLC	9/3/2018, 8:00 PM	EC Only	*No Data*	Yes	No	Yes	0.02
2	Center Property at Fairland	Fairland Development II, LLC	11/29/2007, 7:00 PM	NFRD	8/24/2017, 8:00 PM	Yes	No	Yes	0.04

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	MD1308	Center Property at Fairland	Center Property at Fairland (Parcel 340); includes Bentley Park (Parcel C)	Off Gunpowder Road, adjacent to Minnick Industrial Park	Burtonsville	Maryland	Montgomery	20866

#	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 electroncally.	Provides a link to the fact sheet for the property.	Count
1	26.00	No	https://mde.maryland.gov/programs/land/MarylandBrownfieldVCP/Documents/www.mde.state.md.us/assets/document/Brownfields/Center_property_at_Fairlands.pdf	3

Maryland Dam Locations

#	State ID	National ID	Dam Name	Other Dam Names	Lake Name	Hazard Classification	County	Latitude
1	489.00	MD00489	Fairland Park Dam	Bentley Park Dam	Fairland	LOW	Montgomery	39.09

#	Longitude	River or Stream	Dam Type	Purpose	Dam designer	Year Completed	Year Dam Modified	Dam Height
1	-76.92	Little Paint Branch	Earth	Recreation	Dewberry and previously reconstructed in 1994 by LSG	1975E	2013	22.00

#	Normal Pool Depth	Dam Length	Surface Area	Normal Storage	Drainage Area	Maximum Storage	Owner Name	Operator	Count
1	13.00	200.00	2.00	14.00	0.61		Bentley Park Community Association, Incorporated	Brian Afnan	1

Maryland Pond Locations

#	Facility Type	DAM HEIGHT	County	HAZARD CLASS	6 DIGIT WATERSHED	8 DIGIT WATERSHED	Count
1	*No Data*	*No Data*	Prince Georges	*No Data*	*No Data*	*No Data*	28

Wastewater Discharge Facilities

#	AID	FAC_NAME	Comments	ValidateCo	GIS_Action	GIS_Comments	Corrective	ZipCodeCom
1	9,695	Aggregate Industries	*No Data*	Data Verified Accurate Against MD 8 Digit Watershed	*No Data*	*No Data*	*No Data*	*No Data*
2	0	THE RECYCLING CENTER	*No Data*	Data Verified Accurate Based Upon Follow Up Research By MDE	*No Data*	*No Data*	*No Data*	*No Data*
3	20,249	The Recycling Center	*No Data*	Data Verified Accurate Against MD 8 Digit Watershed	*No Data*	*No Data*	*No Data*	Moved to correct parcel within correct zip code.
4	117,341	Laurel Concrete Crushing Plant	*No Data*	Data Verified Accurate Against MD 8 Digit Watershed	*No Data*	*No Data*	*No Data*	Moved to correct parcel. Change zip code from 20708 to 20707.

#	CBSEG_92	BAY_TRIB	MD12DIG	County	MDMajorTrib	HUC	Tier2Catchments_yn	Tier2Catchments
1	ANATF_MD	02140205	021402050824	17	2	020700100203	0	*No Data*
2	ANATF_MD	02140205	021402050825	17	2	020700100202	0	*No Data*
3	ANATF_MD	02140205	021402050825	17	2	020700100202	0	*No Data*
4	ANATF_MD	02140205	021402050824	17	2	020700100203	0	*No Data*

#	Tier3Catchments_yn	Tier3Catchments	SSPRA_yn	SSPRA	Impaired_yn	Impaired	WQA_yn	WQA
1	0	*No Data*	0	*No Data*	1	Nutrients(Nitrogen, Phosphorous), Ions, Habitat, Sediments, Stream Modification, Bacteria, Trash	1	Pesticides
2	0	*No Data*	1	GROUP 2	1	Nutrients(Nitrogen, Phosphorous), Stream Modification, Habitat, Sediments, Ions, Bacteria, Trash	0	*No Data*
3	0	*No Data*	1	GROUP 2	1	Nutrients(Nitrogen, Phosphorous), Bacteria, Trash, Stream Modification, Habitat, Sediments, Ions	0	*No Data*
4	0	*No Data*	0	*No Data*	0	*No Data*	0	*No Data*

#	T3038Dig_yn	T3038Dig	TMDL8Dig_yn	TMDL8Dig	MHTArcheo_yn	MHTArcheo	Facility_Type	State_Num
1	1	Ions	1	Nutrients(Nitrogen, Phosphorous), Sediments, Bacteria, Trash	0	*No Data*	*No Data*	*No Data*
2	1	Ions	1	Nutrients(Nitrogen, Phosphorous), Sediments, Bacteria, Trash	0	*No Data*	*No Data*	*No Data*
3	1	Ions	1	Nutrients(Nitrogen, Phosphorous), Bacteria, Trash, Sediments	0	*No Data*	*No Data*	*No Data*
4	0	*No Data*	0	*No Data*	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*

#	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

#	P2_OR_C_Bay_2000	District	SurWellName	SurWellSource	SurWellDist	CommWellName	CommWellSource	CommWellDist
1	0	21	*No Data*	*No Data*	-99.00	*No Data*	*No Data*	-99.00
2	0	21	*No Data*	*No Data*	-99.00	*No Data*	*No Data*	-99.00
3	0	21	*No Data*	*No Data*	-99.00	*No Data*	*No Data*	-99.00
4	0	21	*No Data*	*No Data*	-99.00	*No Data*	*No Data*	-99.00

#	CommWellProtect	Active	Include	ManualActive	Count
1	0	1	1	1	1
2	0	0	1	0	1
3	0	1	1	1	1
4	0	1	1	1	1

LANEY
RECYCLING AND AGGREGATES
RECYCLED AGGREGATES • CRUSHED STONE

A division of Laney Materials, LLC

28 February 2024

Mr. Dennis Borie
Ms. Mary Ogunjinmi
Air & Radiation Administration
Maryland Department of the Environment
1800 Washington Boulevard, Suite 720
Baltimore, Maryland 21230-0715

RE: Laney Materials, LLC., Permit # 033-1711, Registration # 6-1518 (Plant C)

Dear Ms. Ogunjinmi and Mr. Borie:

Please find enclosed a completed Form 5 Permit-to-Construct application for the replacement of the Plant C Crusher and Screener. The replacement equipment is a combined crusher and screener which are powered by a single Tier 4f, diesel-fired, 375 horsepower engine. Emission calculations and vendor information are also enclosed for both the crushing and screening plant and for the single engine.

Please note, we have changed the business name and doing-business-as name. The site now operates under the name "Laney Materials, LLC. Dba Laney Recycling and Aggregates". This is how it is listed on the enclosed application.

Respectfully submitted,

Jerry Rothenhoefer, Director

cc: Kathryn Gunkel, WILDWOOD Environmental

14852 Old Gunpowder Road · Laurel, Maryland 20707
(301) 953-1424 · (410) 792-2999 · Fax (301) 317-8003 · www.laneyrecycling.com

MARYLAND DEPARTMENT OF THE ENVIRONMENT
1800 Washington Boulevard ▪ 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

LANEY MATERIALS, LLC. dba LANEY RECYCLING AND AGGREGATES

Mailing Address

14852 OLD GUNPOWDER RD

Street Address

LAUREL	MD	20707
City	State	Zip

Telephone Number 301.953.1424

Signature

JERRY ROTHENHOEFER DIRECTOR 2/28/2024

Print Name and Title Date

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

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)
A	0424	0424	
15	16-19	20-23	20-23

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

150 ton/hour Crusher powered by a 375 brake horse-power, Tier 4f, diesel-fired engine, built-in 2-deck screener powered by the crusher's engine, built-in conveyors, with water spray control.

5. Workmen's Compensation Coverage ZAWC19424506 (Binder/Policy Number) 10/1/2024 (Expiration Date)

Company ARCH INSURANCE COMPANY

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 1

6B. Number of Stack/Emission Points Associated with this Equipment 0

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

RECLAMATION OF CONCRETE, CONSTRUCTION DEBRIS, AND ASPHALT PAVEMENTS

The purpose of this PTC application is to replace the free-standing crusher and free-standing screener, each powered by their own engine, with a new combined crusher/screener powered by one engine

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
[ ] 24-1	[ ] 24-2	[ ] 24-3	[ ] 24-4	[ ] 24-5	[ ] 24-6	[ ] 24-7	[ ] 24-8

Other [X] 24-9 Describe **WET SUPPRESSION SYSTEM WITH WATER SPRAY**

10. Annual Fuel Consumption for this Equipment

OIL - 1000 GALLONS	SULFUR %	GRADE	NATURAL GAS - 1000 FT^3	LP GAS - 100 GALLONS	GRADE
70	15 PPM	D			
26-31	32-33	34	35-41	42-45	

COAL - TONS	SULFUR %	ASH %	WOOD - TONS	MOISTURE %
46-52	53-55	56-58	59-63	64-65

OTHER FUELS _____ (Specify Type) [ ] 66-1 ANNUAL AMOUNT CONSUMED _____ (Specify Units)

OTHER FUELS _____ (Specify Type) [ ] 66-2 ANNUAL AMOUNT CONSUMED _____ (Specify Units)

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
X				12	6	312
67-1	67-2	68-69		70-71	72	73-75

Seasonal Variation in Operation: **Max. operations --> 3600 hours/year**

No Variation	Winter Percent	Spring Percent	Summer Percent	Fall Percent	(Total Seasons= 100%)
[ ]	10	30	30	30	
76	77-78	79-80	81-82	83-84	

12. Equivalent Stack Information- is Exhaust through Doors, Window, etc. Only? (Y/N) [Y] (85)

If not, then

Height Above Ground (FT)	Inside Diameter at Top	Exit Temperature (^{O}F)	Exit Velocity (FT/SEC)
[ ][ ][ ] (86-88)	[ ][ ][ ] (89-91)	[ ][ ][ ][ ] (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)	INPUT RATE PER HOUR	UNITS	PER YEAR	UNITS
1. RECLAIMED CONCRETE		150	TONS	540,000	TONS
2. ASPHALT PAVEMENT		150	TONS		
3. OTHER CONSTRUCTION DEBRIS		150	TONS		
4.					
5. The quantity of each material processed will vary from					
6. year to year, but the total materials processed will not					
7. exceed the total listed herein.					
8.					
9.					
TOTAL		150	TONS	540,000	TONS

14. Output Materials (for this equipment)
Process/Product Stream

NAME	CAS NO. (IF APPLICABLE)	OUTPUT RATE PER HOUR	UNITS	PER YEAR	UNITS
1. RECLAIMED CONCRETE MATERIALS		150	TONS	540,000	TONS
2. RECLAIMED ASPHALT PAVEMENT (RAP) MATERIALS		150	TONS		
3. RECLAIMED CONSTRUCTION DEBRIS MATERIALS		150	TONS		
4.					
5.					
6.					
7.					
8.					
9.					
TOTAL		150	TONS	540,000	TONS

15. Waste Streams - Solid and Liquid

NAME	CAS NO. (IF APPLICABLE)	OUTPUT RATE PER HOUR	UNITS	PER YEAR	UNITS
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	Oxides of Sulfur	Oxides of Nitrogen
99-104	105-110	111-116
Carbon Monoxide	**Volatile Organic Compunds**	**PM-10**
117-122	123-128	129-134

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

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

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

TSP	SOX	NOX	CO	VOC	PM10
					2
165	166	167	168	169	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 Operating Rate	Maximum Design Hourly Rate	Permit to Operate Month	Transaction Date (MM/DD/YR)
188-192	193-199	200-201	202-207

Staff Code	VOC Code	SIP Code	Regulation Code	Confidentiality
208-210	211 212	213 214	215-218	219

Point Description (220-238)

Action (239) A: Add C: Change

MARYLAND DEPARTMENT OF THE ENVIRONMENT
Air and Radiation Management Administration / Air Quality Permits Program
1800 Washington Boulevard, STE 720 Baltimore, Maryland 21230-1720
(410) 537-3230 • 1-800-633-6101 • www.mde.state.md.us

Mail application to
MDE/ARMA
1800 Washington Blvd, Suite 720
Baltimore, MD 21203-1720

Don't forget to:
✓ *Sign the application*
✓ *Include vendor literature*

Air Quality Permit to Construct & Registration Application for

INTERNAL COMBUSTION ENGINES

(Electrical Power Generators, Power Equipment, Fire Protection Pumps)

1) Applicability

You must check off one of the following items to use this application form

☐ Electrical power generation (off grid, base load, peak, load shaving, etc.)
- Use MDE Form 42 for emergency use only generators

☒ Power equipment (hydraulic, mechanical, etc.)

☐ Fire protection pump

For electrical power generators only, *you must check off one of the following items to use this application form*

☐ I have a CPCN Exemption from the Public Service Commission for this generator (contact the Public Service Commission at 410.767.8131)

☐ This generatore was installed before October 1, 2001 and I do not need a CPCN Exemption

2) Business/Institution/Facility where the engine will be located ☐ Check if this is a federal facility

Name: LANEY MATERIALS, LLC. dba LANEY RECYCLING AND AGGREGATES Phone: (240) 360-4031

Street Address: 14852 OLD GUNPOWDER RD

City: LAUREL State: MD Zip Code: 20707 County: PRINCE GEORGE'S

3) Owner/Operator of the engine (if different than above)

Name: _____ Phone: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

4) Installer ☐ Check if installer is applying for permit. If checked, complete the following:

Name: _____ Phone: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

5) Engine Information

	CATERPILLAR, C9.3B	375	Tier 4f	DIESEL
Installation Date	Engine Manufacturer & Model	Horsepower	Manufacture Date	Fuel Type

6) Operating Information

Intended use desription: (Examples, "a portable generator at a construction site" or "peak shaving with the emergency generator", etc.)

THE CATERPILLAR C9.3B WILL BE USED TO POWER BOTH A CRUSHER AND SCREENER COMBINED PLANT.

12	3,600
Hours per day	Hours per year

7) Required Attachments

(Check that they are attached)

[X] Vendor literature **SPECS IN THIS APPLICATION.**

[ ] CPCN Exemption from the Public Service Commission

- Electrical generators only
- Not needed for generators installed before October 1, 2001

8) Workers Compensation (Environmental article §1-202)

Workers insurance policy or binder number: **ARCH INSURANCE COMPANY, BINDER #ZAWC19424506, EXPIRING 10/01/2024**

[ ] Check if self employed or otherwise exempt from this requirement

" I CERTIFY UNDER PENALTY OF LAW THAT THE INFORMATION SUBMITTED IN THIS REQUEST FOR COVERAGE 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."

Owners Signature	JERRY ROTHENHOEFER, DIRECTOR Printed Name and Title	Date

LEAVE BLANK, MDE use only

[ ] Permit

[ ] Registration (Less than 1,000 brake horsepower & installed prior to 11/24/03)

Permit/Registration Number: _____ - _____ - _____ - _____

AI: _____

Emissons	SOx	NOx	CO	VOC	PM	PM-10
Stack						
Fugitive						

Description	Fraction of Excavator Max. Feed Rate	Material Transfers, Unloading	Material Transfers, Other	Material Transfers, Haul Vehicles	Material Transfers, Conveyors	Crusher	Screener	Material Transfers, Unloading	Material Transfers, Other	Material Transfers, Haul Vehicles	Material Transfers, Conveyors	Crusher	Screener**
CRUSHING & SCREENING @ Steady State operations													
Feed Material unloading to Feed Stockpile	100%	1						1	0	0	0	0	0
Feed Material transfer to Initial Feed Hopper	100%		1					0	1	0	0	0	0
CRUSHER receives material & processes it	100%					1		0	0	0	0	1	0
SCREENER receives material & processes it	100%						1	0	0	0	0	0	1
SCREENER discharges to Product & Oversize Conveyors (3)	100%				1			0	0	0	1	0	0
Product Conveyors transfers to Temp Stockpiles	100%		1					0	1	0	0	0	0
FEL transfers to Product Sotckpiles	100%		1					0	1	0	0	0	0
Stockpile Materials loaded into haul vehicles	100%			1				0	0	1	0	0	0
Total Emission Points per Emission Type								**1.00**	**3.00**	**1.00**	**1.00**	**1.00**	**1.20**

* In the Emission Point column: "R" = Recycle loop for the CSP.

6.000 900

PM_{10} PTE: 1.1195

PM_{10} Emission Factors				4.6E-05	4.6E-05	4.6E-05	4.6E-05	5.4E-04	7.4E-04		
PM_{10} Emission Rate -- lb/hour	Excavator Rate:	150	tons/hour	0.007	0.021	0.007	0.007	0.081	0.133	**0.256**	**lb/hour**
PM_{10} Emission Rate -- lb/day	Daily Hours:	12	hours/day	0.083	0.248	0.083	0.083	0.972	1.598	**3.067**	**lb/day**
PM_{10} Emission Rate -- ton/year	Annual hours:	3,600	hours/yr	0.012	0.037	0.012	0.012	0.146	0.240	**0.460**	**ton/yr**

$PM_{2.5}$ Emission Factors				1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.0E-04	5.0E-05		
PM2.5 Emission Rate -- lb/hour	Excavator Rate:	150	tons/hour	0.002	0.006	0.002	0.002	0.015	0.009	**0.036**	**lb/hour**
PM2.5 Emission Rate -- lb/day	Daily Hours:	12	hours/day	0.023	0.070	0.023	0.023	0.180	0.108	**0.43**	**lb/day**
PM2.5 Emission Rate -- ton/year	Annual hours:	3,600	hours/yr	0.004	0.011	0.004	0.004	0.027	0.016	**0.064**	**ton/yr**

Unloading Emission Rate	0.0069	lb / hour, PM10	0.0020	lb / hour, PM2.5	
CSP Emission Rate	0.2418	lb / hour, PM10	0.0269	lb / hour, PM2.5	
Stockpile Loading Emission Rate	0.0069	lb / hour, PM10	0.0020	lb / hour, PM2.5	

$PM_{2.5}$ PTE: 0.0156

Crystalline Silica: 1% of Respirable Dust: 0.000357 lb/hour

ESTIMATE OF EMISSIONS FOR ENGINES -- LANEY MATERIALS, LLC.

CRITERIA AIR POLLUTANTS

	Engines
Equipment	**IMPACT CRSH**
Engine OEM	**CATERPILLAR**
Engine Size, bHP	**375**
Model #	**C9.3B**
Tier Rating	**4f**
Fuel Rate (gal/hr)	**19.3**
Daily Hours	**12**
Annual Hours	**3600**

Overall Fuel Consumption	
19.3	gal / hour all engines
69.5	MGAL / year all engines

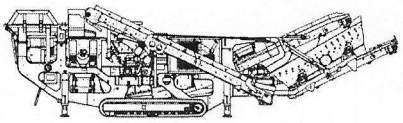
		ESTIMATED EMISSION RATES					ORIGINAL APPL'N		
			HOURLY	DAILY	PTE	ANNUAL	HOURLY		
Tier 4f emission factor units→	**g/bhp-hr**	**grams/hr***	**lb/hr**	**lbs/day**	**tons/year**	**tons/year**	**lb/hr**		
PM10	0.015	5.63	0.01	0.1	0.054	0.022	0.19	-93.4%	PM10
PM2.5	0.015	5.63	0.01	0.1	0.054	0.022	0.19	-93.4%	PM2.5
NOx	0.30	113	0.25	3.0	1.086	0.446	5.58	-93.5%	NOx, TOC
TOC (HC, NMHC)	0.14	53	0.12	1.4	0.507	0.208			
CO	2.60	975	2.15	25.8	9.41	3.869	3.25	-33.9%	CO
AP-42 emission factor units→	**lb / Mgal**		**lb/hr**	**lbs/day**	**tons/year**	**tons/year**	**lb/hr**		
SO_X	0.20829		0.0020	0.0241	0.009	0.0036	0.005	-62.2%	SOX

GREENHOUSE GASES

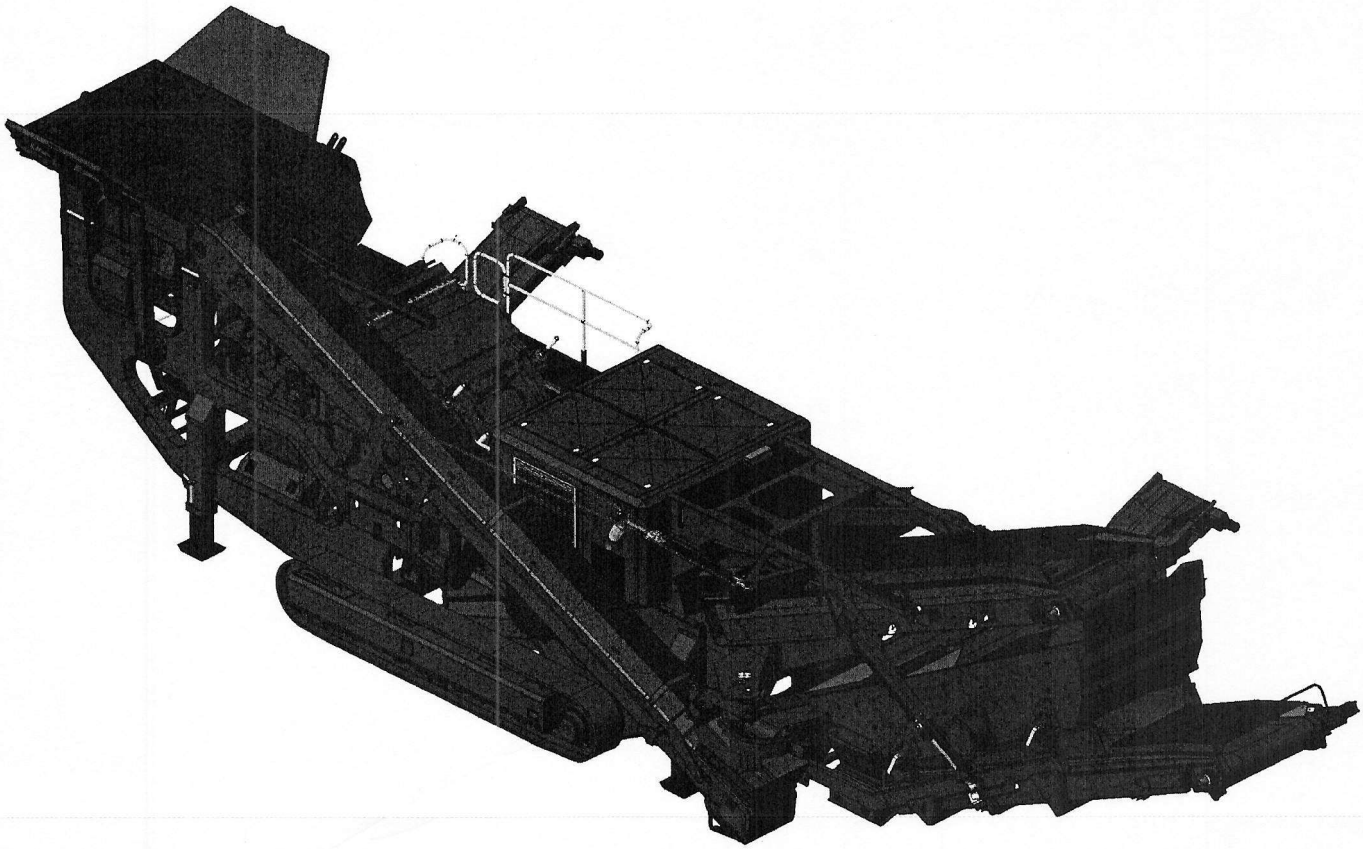
						ORIGINAL APPL'N		
AP-42 emission factor units→	**lb/hp-hr**	**lb/hr**	**lbs/day**	**tons/year**	**tons/year**	**lb/hr**		
CO_2	1.15	431	5,175	1,889	776	604	-28.6%	CO2

* grams/hr = (EF * $BHP_{\_Crusher1}$) + (EF * $BHP_{\_Screener2}$) + (EF*$BHP_{\_Stacker1}$) + (EF*$BHP_{\_Stacker2}$)

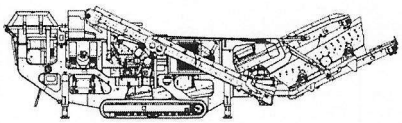
Fuel Rate (MGal / year)	**69.5**



SPECIFICATIONS



McCloskey I44v3HDR



DESCRIPTION

Very Heavy duty track mounted Crusher with following features:

- 1050mm (41.3") diameter x 1125mm (44.3") wide Impactor.
- 360Hp Volvo D11 T4 Final engine or 350Hp CAT C9 Tier 3 engine
- Integrated hydraulic folding hopper.
- Integrated hydraulic folding stockpiling conveyors.
- I-beam plate fabricated chassis construction.
- Open chassis design for ease of maintenance
- Fast setup time
- Vibrating feeder under crusher discharge.
- 4270mm x 1830mm (14' x 6') Double Deck recirculation screen
- Swing out radial return conveyor

DIMENSIONS AND WEIGHTS

Length - transport	18.116m (59' – 5.2")
Width - transport (650 return)	3.460m (11' – 4.2")
Height - transport	3.60m (11' – 9.8")
Weight -	TBA Kgs (TBA lbs) inc. magnet & dirt conveyor Underpan, and independent prescreen

CAPACITIES

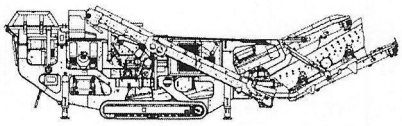
Diesel tank capacity	595L (157 US gal)
Hydraulic tank capacity	650 L (172 US gal)

IMPACTOR CHAMBER

Feed opening WxH	1149 x 708mm, (45.2 x 27.9")
Impactor rotor	1050mm (41.3") diameter x 1125mm (44.3") wide
Crusher speed	606-740 rpm (33.3-40.7 m/sec rotor tip speed)
Number of aprons	2
Number of blowbars	4
Full blowbar weight	231Kg (509 lbs)
Crusher Drive	Direct Drive
Feed size	600 x 500 x 500mm lump, (24" x 20" x 20")
Impactor weight	10,300kg (22,700 lbs)
Rotor weight	3,309kg (7,295 lbs)
Closed side setting adjustment	Hydraulic rams, shim system
Speed sensor	YES
Load sensor	Engine load monitoring

PAN FEEDER (WITH PRESCREEN)

Feeder width	1064mm (41.8")
Feeder length	2460mm (96.9")
Drive	Hydraulic
Motor	David Brown MCC 2213 85cc/rev
Flow rate	Up to 82.4 Lpm (21.75 US gpm)
Adjustable speed	Yes – via mechanical Flow Control
Variable speed	Yes – via electrical proportional pump
Maximum speed	970rpm



PAN FEEDER (WITHOUT PRESCREEN)

Feeder width	1064mm (41.8")
Feeder length	3800mm (149.5")
Grizzly section opening	Tapered 40-70mm (1.6" – 2.8")
Grizzly section length	1480mm (58.2")
Drive	Hydraulic
Motor	David Brown MCC 2213 85cc/rev
Flow rate	Up to 82.4 Lpm (21.75 US gpm)
Adjustable speed	Yes – via mechanical Flow Control
Variable speed	Yes – via electrical proportional pump
Maximum speed	970rpm

DOUBLE DECK GRIZZLY PRESCREEN

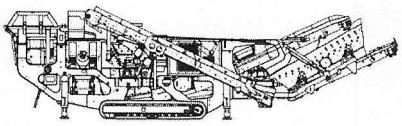
Prescreen width (inside wearplates)	1064mm (41.9")
Prescreen length overall	2015mm (6' – 7.3")
Grizzly section opening	Tapered 40-70mm (1.6" – 2.8")
Grizzly section length	2113mm (83.2")
Bottom deck mesh	1494mm x 1060 (58.8" x 41.7")
Drive	Hydraulic
Motor	David Brown MCC 2208 58.7cc/rev
Flow rate	85.5Lpm (22.6 US gpm)
Adjustable speed	NO
Auto stop start system	YES
Maximum speed	1050rpm

HOPPER

Length overall	4280mm (14' – 0.5")
Width	2180mm (7' – 1.8")
Volume	6.0m^3 (7.8yd^3)
Material	8mm sides + 10mm Hardox liners
Locking system	Hydraulic rear wedges and side hydraulic legs

SIDE CONVEYOR

Stockpile height	2690mm (8' – 10")
Belt width	650mm (26")
Belt spec	EP 400/3 3+1.5
Drive drum dia.	220mm (8.6")
Tail drum dia.	220mm (8.6") - spoked
Motor	OMT400
Flow rate	Up to 55.4 Lpm (14.6 US gpm)
Adjustable speed	YES
Maximum speed	Up to 138 rpm



MAIN CONVEYOR (with recirc removed)

Stockpile height	4550mm (14' – 11")
Belt width	1200mm (48")
Belt spec	Plain 500/3 8+2
Drive drum dia.	330mm (13")
Tail drum dia.	287mm (11.3") – spoked
Motor	OMV800
Flow rate	Up to 111Lpm (29.2 US gpm)
Maximum speed	Up to 139 rpm
Angle adjustable	YES
Quick release	YES

UNDERPAN FEEDER UNDER IMPACTOR (option)

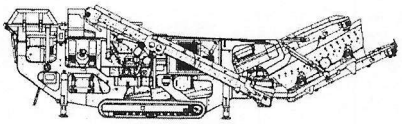
Width (across base plate)	1264mm (49.8")
length	2370mm (93.3")
Base liners	10mm (3/8") stainless steel
Side liners	12mm (1/2" Hardox 400
Operating angle	14°
Vibrating motor	Twin out of balance mass
Hydraulic motor	2 off Turolla 26.2cc/rev
Fixed speed	YES
Flow rate	55 Lpm (14.5 US gpm)

FINES CONVEYOR

Stockpile height	3330mm (10' – 11")
Belt width	1500mm (60")
Belt spec	Plain 500/3 8+2
Drive drum dia.	285mm (11.2")
Tail drum dia.	270mm (10.6") - spoked
Motor	OMV630
Flow rate	Up to 72.6 Lpm (19.2 US gpm)
Maximum speed	Up to 115 rpm

SCREENBOX

Dimensions - top deck	4270mm x 1830mm (14' x 6')
Dimensions - bottom deck	3660mm x 1830mm (12' x 6')
Bearing type	NSK/RHP 22318
Screens - top deck	6' x 4' side tension - 3 off & 6' x 2' side tension - 1 off
Screens - bottom deck	6' x 4' side tension - 3 off
Tensioning - top and bottom decks	Quick release pin and wedge
Screen angle	30 deg
Screen motor	DBH MCC2208 (59cc/rev)
Drive system	Direct drive with HRC150 coupling
Hydraulic flowrate	Up to 72.6 Lpm (19.2 US gpm)
Speed adjustable	YES - Pressure compensated FCV
Screen stroke adjustable	8 - 10mm
Screen shaft speed	970 rpm
Screen 'g' force	5.05



TOP DECK TRANSFER CONVEYOR

Belt width	600mm (24")
Belt spec	Plain 400/3 4+2
Drive drum dia.	188mm (7.4")
Tail drum dia.	188mm (7.4")
Motor	OMT500
Flow rate	Up to 68.8 Lpm (18.2 US gpm)
Adjustable speed	YES
Maximum speed	Up to 138 rpm

MIDDLE DECK CONVEYOR

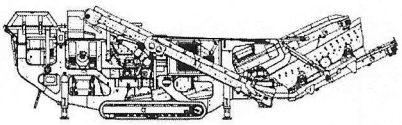
Stockpile height	1997mm (6' – 6.6")
Belt width	650mm (26")
Belt spec	Plain 400/3 4+2
Drive drum dia.	188mm (7.4")
Tail drum dia.	188mm (7.4")
Motor	OMT500
Flow rate	Up to 68.8 Lpm (18.2 US gpm)
Adjustable speed	YES
Maximum speed	Up to 138 rpm

RETURN CONVEYOR

Belt width	650mm (26")
Belt spec	Chevron - 400/3 6+1.5
Drive drum dia.	290mm (11.5")
Tail drum dia. (Spoked)	270mm (10.6")
Motor	OMT500
Flow rate	Up to 68.8 Lpm (18.2 US gpm)
Adjustable speed	YES
Maximum speed	Up to 138 rpm
Radial angle	0 to 90 degrees

POWERUNIT AND HYDRAULICS

Engine	Volvo D11 Tier 4 Final / CAT C9 Tier 3
Engine power	268 Kw (360 HP) / 261 kW (350 HP)
Engine speed	1600 - 1880 rpm
Impactor drive clutch	PT Tech HPTO14TF1
Flywheel Pump 1 (Tracks/Feeder)	Kawasaki K3VL80
Flywheel Pump 2 (Tracks/Main conveyor)	Kawasaki K3VL80
LH PTO Pump 3 (Side conv / Magnet / Pilot)	David Brown 29/10
Front PTO Pump 4 (Underpan/Prescreen)	David Brown 36/36
Front PTO Pump 5 (Recirc system)	David Brown 36/36
Total system flow (max)	494.9 Lpm (130.7 US Gpm)
Hydraulic tank capacity	650 L (172 US Gals)
Hydraulic tank ratio	1.31 : 1
Hydraulic Oil cooler	YES



ELECTRICS

Emergency stops	4 off, 2 feeder, 2 powerunit
Chassis cabling	Armored cable
Start Siren	YES – 10 sec delay
Control panel	Tedd Engineering / IFM
Engine shutdowns:	Low oil pressure
	High water temp
	Air filter blockage (selectable)
	Fuel contamination
	Low hydraulic tank level
	High hydraulic return line filter backpressure
	High hydraulic water filter backpressure
	High hydraulic oil temperature
Radio control tracks and feeder	STANDARD
Pendant track control	YES – plugged in control cabinet
Refueling Pump	

TRACKS

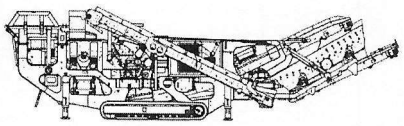
Width	400mm (15.7")
Length	4880mm (15' – 11.9") crs
Height	817mm (32")
Gearbox	Bonfiglioli 711 (or equivalent)
Ratio	144:1
Motor	Rexroth A2FE90
Speed max	1.50 Kph (0.93 Mph)
Flow rate	152 Lpm (40.2 US gpm)
Multiple speeds	Three speed system selectable at control panel with smooth start / stop.
Attachment to chassis	Bolt On for quick change

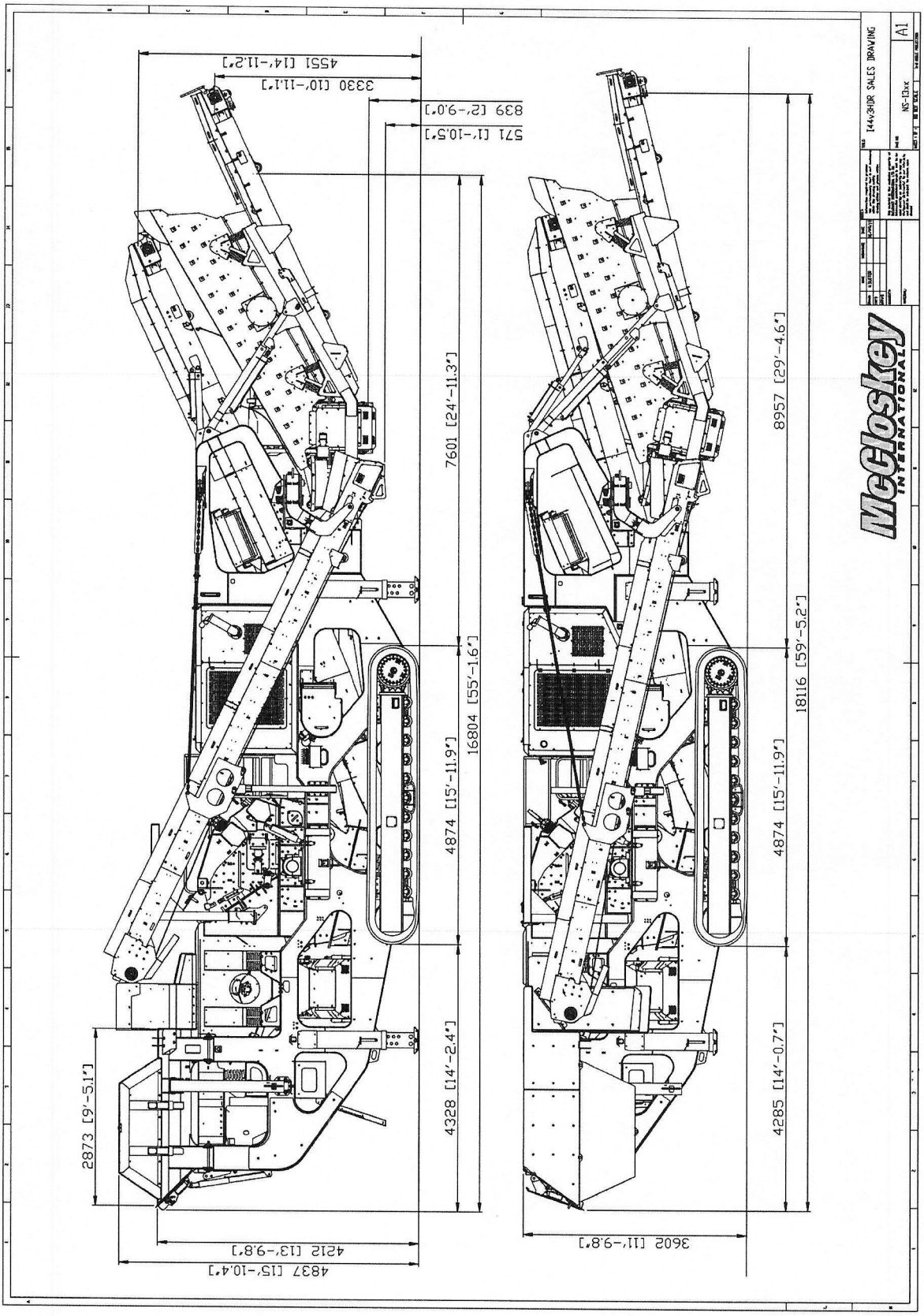
OPTIONS

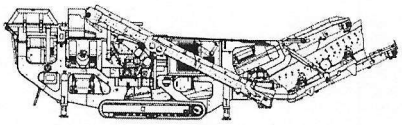
Main conveyor variable speed control
Hopper Extensions
Overband magnet
Water Pump and dust suppression system
Various blow bar material options
Third apron grinding path
Work lights
Long Pan Feeder or Short Pan Feeder with Independent Prescreen
Underpan or Full Main Belt under Crusher
Grizzly Bofor Sizes and Punch Plate Options
Recirc screen 2 deck or 1.5 deck

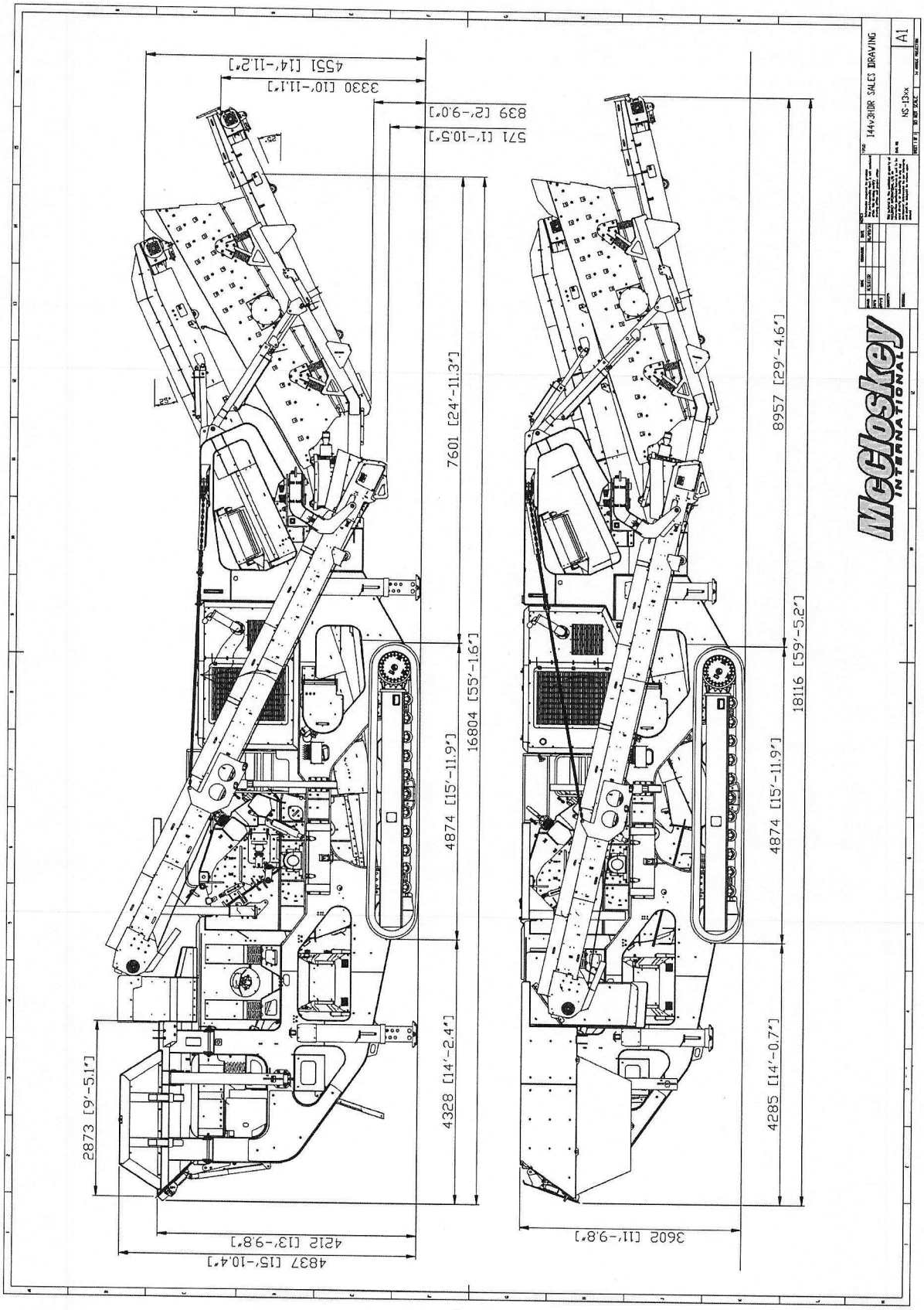
SAFETY FEATURES

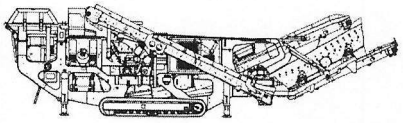
External belt alignment points
External grease points
Engine safety shutdown systems
Full safety guarding for nip points

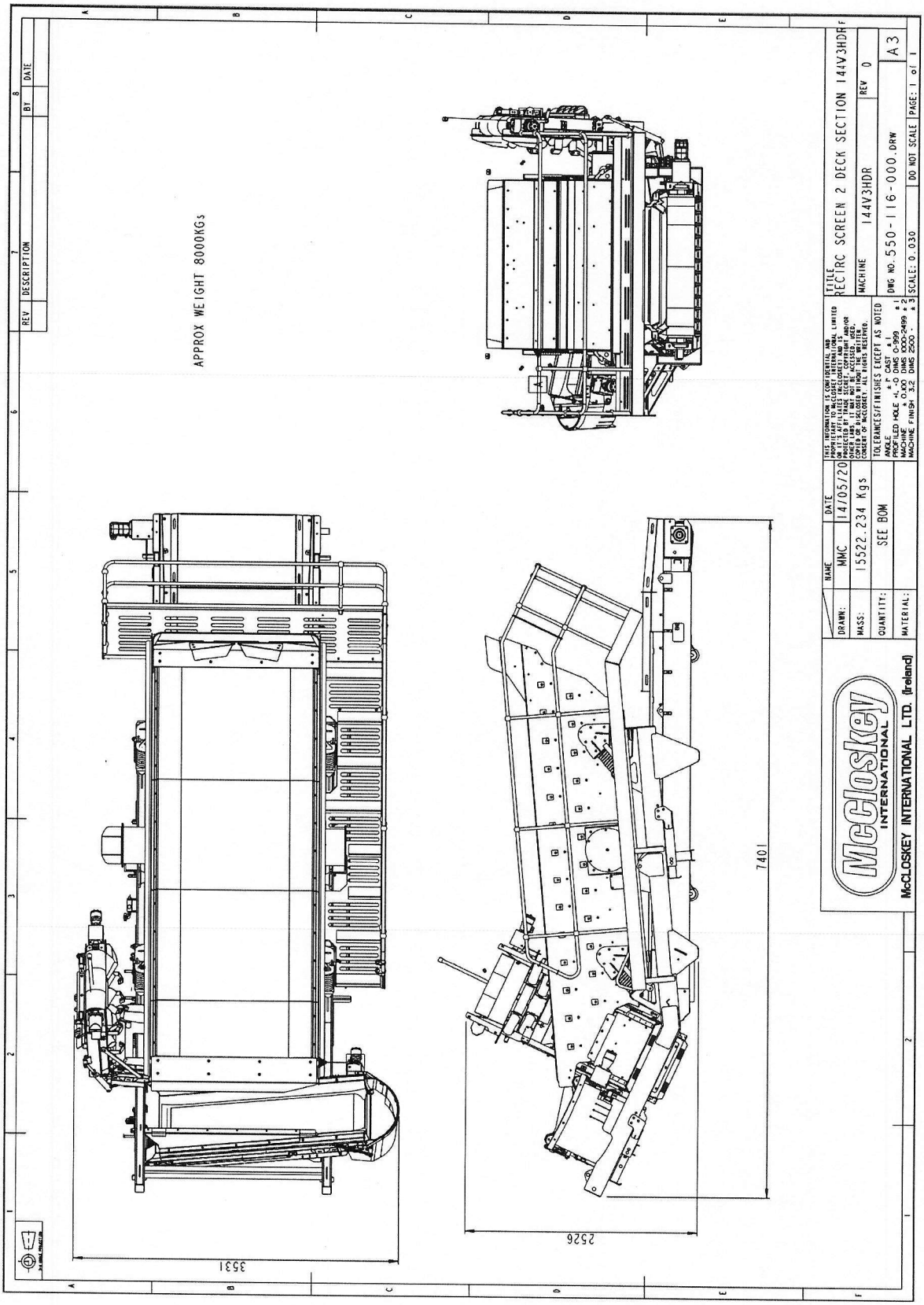


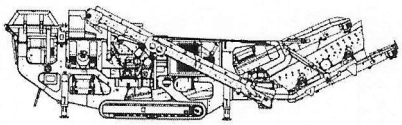


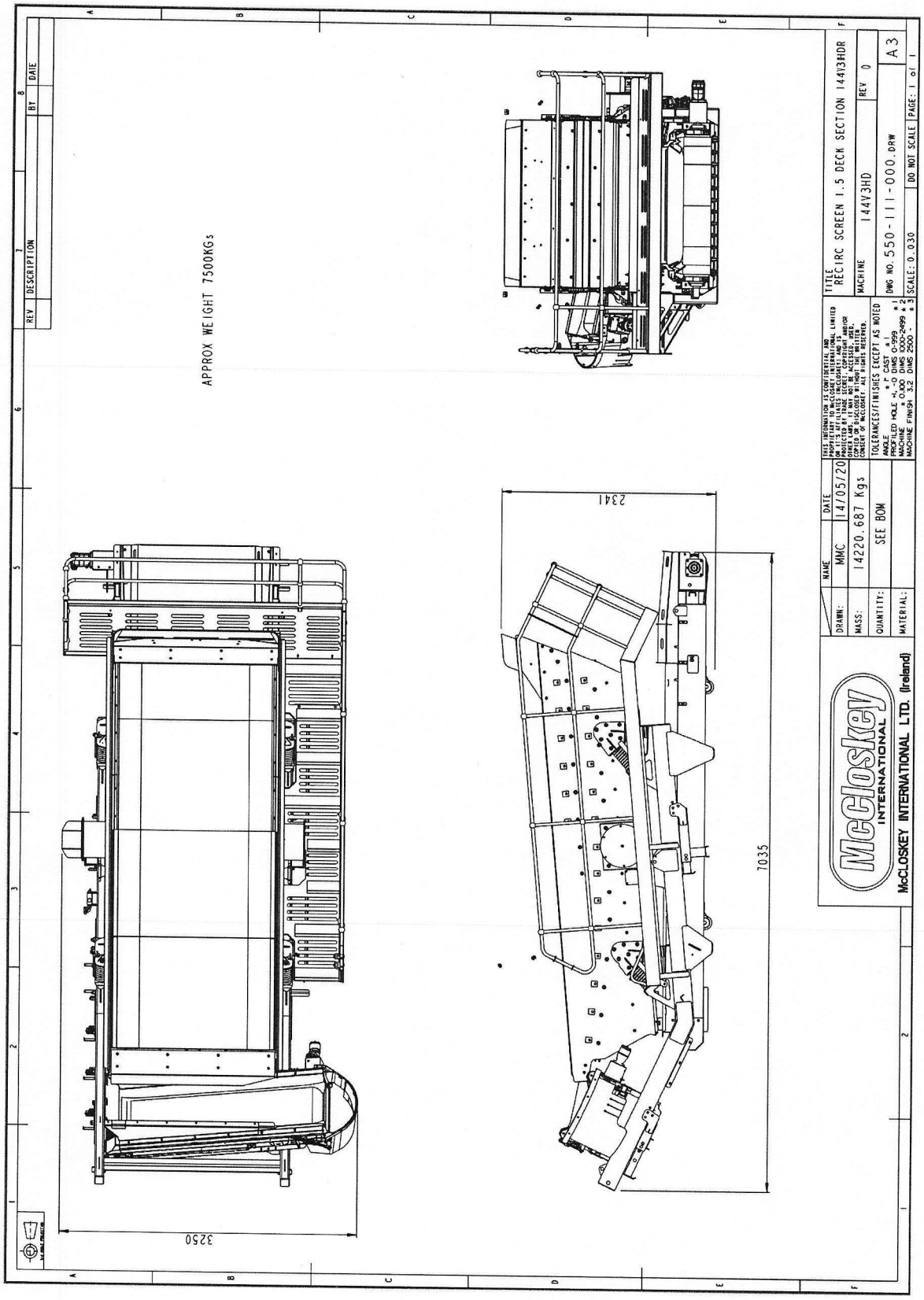












CATERPILLAR

Engine Emissions Data

For Emissions / Certification feedback and questions, please submit a ticket via our ERC Request Portal

This emission data is Caterpillar's best estimate for this rating. If actual emissions are required then an emission test needs to be run on your engine.

Serial Number (Machine)	
Serial Number (Engine)	**NGH03170**
Sales Model	C9.3B
Regulatory Build Date	06-OCT-2021
As Shipped Data	
Engine Arrangement Number	5062314
Certification Arrangement	3611820
Test Spec Number	5526639
Regulatory Status	EPA / ARB / EU / R120 / MLIT / Korea
Labeled Model Year	2021
EPA Family Code	MCPXL09.3NTF
EPA Emissions Level	EPA TIER 4f
EU Emissions Level	EU STAGE V
EU Type Approval	e24*2016/1628*2018/989EV6/D*0014
Korea Type Approval	C9.3B(CE9.3D4)//18EN*CA*01
UN R120 Type Approval	120R-000006
As-Shipped Flash File	6139216
CORR FL Power at RPM	381 HP (284.0 KW)2200 RPM
Advertised Power	375 HP 2,200RPM
Total Displacement	9.3 L

Disclaimer: The information provided has been compiled from third party sources and is accurate to the best of Caterpillar's knowledge. However, Caterpillar cannot guarantee the accuracy, completeness, or validity of the information and is not liable for any errors or omissions contained therein. All information provided should be independently verified and confirmed, including by examining the emissions label located on the engine.

Need emission replacement label? Click here!

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
2021 MODEL YEAR
CERTIFICATE OF CONFORMITY
WITH THE CLEAN AIR ACT

OFFICE OF TRANSPORTATION AND AIR QUALITY
ANN ARBOR, MICHIGAN 48105

Certificate Issued To: **Caterpillar Inc.**
(U.S. Manufacturer or Importer)

Certificate Number: **MCPXL09.3NTF-012**

Effective Date: 07/13/2020

Expiration Date: 12/31/2021

Byron J. Bunker, Division Director
Compliance Division

Issue Date: 07/13/2020

Revision Date: N/A

Model Year: 2021
Manufacturer Type: Original Engine Manufacturer
Engine Family: MCPXL09.3NTF

Mobile/Stationary Indicator: Both
Emissions Power Category: 130<=kW<=560
Fuel Type: Diesel
After Treatment Devices: Diesel Oxidation Catalyst, PTOX-DPF-Active, Ammonia Slip Catalyst, Selective Catalytic Reduction
Non-after Treatment Devices: Electronic Control, Engine Design Modification
FELs: PM 0.01 g/kW-hr

Pursuant to Section 111 and Section 213 of the Clean Air Act (42 U.S.C. sections 7411 and 7547) and 40 CFR Parts 60 and 1039, and subject to the terms and conditions prescribed in those provisions, this certificate of conformity is hereby issued with respect to the test engines which have been found to conform to applicable requirements and which represent the following engines, by engine family, more fully described in the documentation required by 40 CFR Parts 60 and 1039 and produced in the stated model year.

This certificate of conformity covers only those new compression-ignition engines which conform in all material respects to the design specifications that applied to those engines described in the documentation required by 40 CFR Parts 60 and 1039 and which are produced during the model year stated on this certificate of the said manufacturer, as defined in 40 CFR Parts 60 and 1039.

It is a term of this certificate that the manufacturer shall consent to all inspections described in 40 CFR 1068 and authorized in a warrant or court order. Failure to comply with the requirements of such a warrant or court order may lead to revocation or suspension of this certificate for reasons specified in 40 CFR Parts 60 and 1039. It is also a term of this certificate that this certificate may be revoked or suspended or rendered void *ab initio* for other reasons specified in 40 CFR Parts 60 and 1039.

This certificate does not cover engines sold, offered for sale, or introduced, or delivered for introduction, into commerce in the U.S. prior to the effective date of the certificate.

This certificate of conformity is conditional upon compliance of said manufacturer with the averaging, banking and trading provisions of 40 CFR Part 1039, Subpart H. Failure to comply with these provisions may render this certificate void *ab initio*.

CALIFORNIA AIR RESOURCES BOARD	CATERPILLAR INC.	EXECUTIVE ORDER U-R-001-0631 New Off-Road Compression-Ignition Engines

Pursuant to the authority vested in California 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-19-095;

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)
2021	MCPXL09.3NTF	9.3	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Electronic Direct Injection, Turbocharger, Charge Air Cooler, Oxidation Catalyst, Engine Control Module, Periodic Trap Oxidizer, Selective Catalytic Reduction-Urea, Ammonia Oxidation Catalyst	Loader, Tractor, Compressor, Excavator, Commercial Equipment

The engine models and codes are attached.

The following are the exhaust certification standards (STD), or family emission limit(s) (FEL) as applicable, 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	Tier 4 Final	STD	0.19	0.40	N/A	3.5	0.02	N/A	N/A	N/A
		FEL	N/A	N/A	--	N/A	0.01	N/A	N/A	N/A
		CERT	0.04	0.19	--	0.2	0.01	--	--	--

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 on this 3rd day of September 2020.

Allen Lyons, Chief
Emissions Certification and Compliance Division

Attachment: Engine Models **EO #:** U-R-001-0631 **Family:** MCPXL09.3NTF **Attachment Last Revised:** 11/22/2021

Model	Code	Trim	Config	Displacement	Displacement - Units	Peak Power	Peak Power - Units	Peak Power - Speed (rpm)	Peak Power - Fueling	Peak Power - Fuel Units	Peak Torque	Peak Torque - Units	Peak Torque - Speed (rpm)	Peak Torque - Fuel	Peak Torque - Fuel Units	OBD	GHG	Special	Notes
C9.3B	Cert Test 1	NA	I6	9.28	Liters	456	horsepower	2000	160	lb/hr	1536	lb-ft	1400	135	lb/hr	N/A	N/A	N/A	N/A
C9.3B	Cert Test 2	NA	I6	9.28	Liters	408	horsepower	1500	137	lb/hr	NA	lb-ft	NA	NA	lb/hr	N/A	N/A	N/A	N/A
C9.3B	1	NA	I6	9.28	Liters	335	horsepower	2200	121	lb/hr	1130	lb-ft	1400	97	lb/hr	N/A	N/A	N/A	N/A
1706J	1A	NA	I6	9.28	Liters	335	horsepower	2200	121	lb/hr	1130	lb-ft	1400	97	lb/hr	N/A	N/A	N/A	N/A
C9.3B	2	NA	I6	9.28	Liters	375	horsepower	2200	134	lb/hr	1265	lb-ft	1400	108	lb/hr	N/A	N/A	N/A	N/A
1706J	2A	NA	I6	9.28	Liters	375	horsepower	2200	134	lb/hr	1265	lb-ft	1400	108	lb/hr	N/A	N/A	N/A	N/A
C9.3B	3	NA	I6	9.28	Liters	416	horsepower	2200	150	lb/hr	1401	lb-ft	1400	121	lb/hr	N/A	N/A	N/A	N/A
1706J	3A	NA	I6	9.28	Liters	416	horsepower	2200	150	lb/hr	1401	lb-ft	1400	121	lb/hr	N/A	N/A	N/A	N/A
C9.3B	4	NA	I6	9.28	Liters	456	horsepower	2000	160	lb/hr	1536	lb-ft	1400	135	lb/hr	N/A	N/A	N/A	N/A
1706J	4A	NA	I6	9.28	Liters	456	horsepower	2000	160	lb/hr	1536	lb-ft	1400	135	lb/hr	N/A	N/A	N/A	N/A
C9.3B	5	NA	I6	9.28	Liters	314	horsepower	1800	104	lb/hr	1154	lb-ft	1300	93	lb/hr	N/A	N/A	N/A	N/A
C9.3B	6	NA	I6	9.28	Liters	221	horsepower	2200	84	lb/hr	1100	lb-ft	1200	83	lb/hr	N/A	N/A	N/A	N/A
C9.3B	6A	NA	I6	9.28	Liters	221	horsepower	2200	84	lb/hr	1100	lb-ft	1200	83	lb/hr	N/A	N/A	N/A	N/A
C9.3B	7	NA	I6	9.28	Liters	274	horsepower	2200	95	lb/hr	1263	lb-ft	1100	86	lb/hr	N/A	N/A	N/A	N/A
C9.3B	8	NA	I6	9.28	Liters	314	horsepower	1800	106	lb/hr	1154	lb-ft	1300	95	lb/hr	N/A	N/A	N/A	N/A
C9.3B	9	NA	I6	9.28	Liters	408	horsepower	1500	137	lb/hr	NA	lb-ft	NA	NA	lb/hr	N/A	N/A	N/A	N/A
1706J	9A	NA	I6	9.28	Liters	408	horsepower	1500	137	lb/hr	NA	lb-ft	NA	NA	lb/hr	N/A	N/A	N/A	N/A
C9.3B	10	NA	I6	9.28	Liters	456	horsepower	1800	157	lb/hr	NA	lb-ft	NA	NA	lb/hr	N/A	N/A	N/A	N/A
1706J	10A	NA	I6	9.28	Liters	456	horsepower	1800	157	lb/hr	NA	lb-ft	NA	NA	lb/hr	N/A	N/A	N/A	N/A
C9.3B	11	NA	I6	9.28	Liters	343	horsepower	1500	114	lb/hr	NA	lb-ft	NA	NA	lb/hr	N/A	N/A	N/A	N/A
1706J	11A	NA	I6	9.28	Liters	343	horsepower	1500	114	lb/hr	NA	lb-ft	NA	NA	lb/hr	N/A	N/A	N/A	N/A
C9.3B	12	NA	I6	9.28	Liters	314	horsepower	1800	106	lb/hr	1154	lb-ft	1300	95	lb/hr	N/A	N/A	N/A	N/A
C9.3B	13	NA	I6	9.28	Liters	416	horsepower	2200	150	lb/hr	1401	lb-ft	1400	121	lb/hr	N/A	N/A	N/A	N/A
1706J	13A	NA	I6	9.28	Liters	416	horsepower	2200	150	lb/hr	1401	lb-ft	1400	121	lb/hr	N/A	N/A	N/A	N/A
C9.3B	14	NA	I6	9.28	Liters	416	horsepower	2200	150	lb/hr	1401	lb-ft	1400	121	lb/hr	N/A	N/A	N/A	N/A
C9.3B	15	NA	I6	9.28	Liters	294	horsepower	2200	105	lb/hr	1314	lb-ft	1200	99	lb/hr	N/A	N/A	N/A	N/A
C9.3B	15A	NA	I6	9.28	Liters	294	horsepower	2200	105	lb/hr	1314	lb-ft	1200	99	lb/hr	N/A	N/A	N/A	N/A
C9.3B	16	NA	I6	9.28	Liters	296	horsepower	2200	106	lb/hr	1375	lb-ft	1200	104	lb/hr	N/A	N/A	N/A	N/A
C9.3B	16A	NA	I6	9.28	Liters	296	horsepower	2200	106	lb/hr	1375	lb-ft	1200	104	lb/hr	N/A	N/A	N/A	N/A
C9.3B	17	NA	I6	9.28	Liters	347	horsepower	1900	118	lb/hr	1171	lb-ft	1400	102	lb/hr	N/A	N/A	N/A	N/A
C9.3B	18	NA	I6	9.28	Liters	294	horsepower	2200	105	lb/hr	1314	lb-ft	1200	99	lb/hr	N/A	N/A	N/A	N/A
C9.3B	19	NA	I6	9.28	Liters	296	horsepower	2200	106	lb/hr	1375	lb-ft	1200	104	lb/hr	N/A	N/A	N/A	N/A
C9.3B	20	NA	I6	9.28	Liters	414	horsepower	1800	139	lb/hr	1396	lb-ft	1400	121	lb/hr	N/A	N/A	N/A	N/A
C9.3B	21	NA	I6	9.28	Liters	414	horsepower	1800	139	lb/hr	1396	lb-ft	1400	121	lb/hr	N/A	N/A	N/A	N/A
C9.3B	22	NA	I6	9.28	Liters	294	horsepower	2200	105	lb/hr	1314	lb-ft	1200	99	lb/hr	N/A	N/A	N/A	New Model Added

Savage Stone

Truck Ticket Rpt - Detail for THE RECYLING CENTER

Ticket Dates: 02/27/2024 to 02/27/2024

Printed: 02/28/2024 @ 7:45:11AM

Job#	Job Name	Tkt Date	Time	Ticket#	Prod#	Product Name	Zone	Qty	Count
Trk#: BAC20 - BACON TRUCKING									
C24-10	COD24-10	02/27/2024	7:39 am	2009600	0049	GABION 3-6 INCH	0000	22.09	1
C24-10	COD24-10	02/27/2024	10:06 am	2009715	0049	GABION 3-6 INCH	0000	22.28	1
C24-10	COD24-10	02/27/2024	12:57 pm	2009895	0049	GABION 3-6 INCH	0000	22.27	1
C24-11	COD24-11	02/27/2024	2:39 pm	2009973	0022	MD #2 STONE	0000	22.26	1
							Total for Truck BAC20:	**88.90**	**4**
Trk#: EE20 - EASTERN EXCAVATING									
23-308	23-308CP	02/27/2024	7:57 am	2009612	0013	CR6	0000	20.67	1
23-308	23-308CP	02/27/2024	9:34 am	2009681	0013	CR6	0000	20.79	1
23-308	23-308CP	02/27/2024	11:07 am	2009774	0013	CR6	0000	20.86	1
23-308	23-308CP	02/27/2024	12:39 pm	2009874	0013	CR6	0000	20.93	1
							Total for Truck EE20:	**83.25**	**4**
Trk#: GM01 - GEORGE MATTHEWS									
C24-13	COD24-13	02/27/2024	11:27 am	2009796	0031	# 10 STONE DUST	0000	4.24	1
							Total for Truck GM01:	**4.24**	**1**
Trk#: LC1850 - LCI HAULING									
22-211	22-211C	02/27/2024	6:55 am	2009565	0013	CR6	0000	19.31	1
22-211	22-211C	02/27/2024	9:28 am	2009677	0013	CR6	0000	19.19	1
22-211	22-211C	02/27/2024	12:48 pm	2009885	0013	CR6	0000	19.64	1
							Total for Truck LC1850:	**58.14**	**3**
Trk#: LC1853 - LCI HAULING									
22-211	22-211C	02/27/2024	6:53 am	2009562	0013	CR6	0000	19.85	1
22-211	22-211C	02/27/2024	9:21 am	2009673	0013	CR6	0000	19.61	1
							Total for Truck LC1853:	**39.46**	**2**
Trk#: MMM2 - MM MONSTER									
14736	14736	02/27/2024	8:49 am	2009646	0026	#57 STONE	0000	21.47	1
							Total for Truck MMM2:	**21.47**	**1**
Trk#: MT1631 - M.T. LANEY COMPANY									
23-308	23-308CP	02/27/2024	12:22 pm	2009858	0013	CR6	0000	19.05	1
							Total for Truck MT1631:	**19.05**	**1**
Trk#: QE2 - QUEEN EXPRESS									
11638	11638	02/27/2024	6:28 am	2009536	0026	#57 STONE	0000	20.65	1
11638	11638	02/27/2024	8:23 am	2009623	0026	#57 STONE	0000	20.82	1
11638	11638	02/27/2024	9:36 am	2009685	0026	#57 STONE	0000	20.77	1
11638	11638	02/27/2024	10:45 am	2009751	0026	#57 STONE	0000	20.50	1
11638	11638	02/27/2024	12:01 pm	2009836	0026	#57 STONE	0000	20.53	1
11638	11638	02/27/2024	1:12 pm	2009909	0026	#57 STONE	0000	20.70	1
11638	11638	02/27/2024	2:12 pm	2009961	0026	#57 STONE	0000	20.60	1
C24-11	COD24-11	02/27/2024	3:29 pm	2009985	0022	MD #2 STONE	0000	20.84	1
							Total for Truck QE2:	**165.41**	**8**
Trk#: QE7500 - QUEENS EXPRESS									
C24-11	COD24-11	02/27/2024	7:02 am	2009570	0022	MD #2 STONE	0000	20.59	1
C24-11	COD24-11	02/27/2024	8:25 am	2009624	0022	MD #2 STONE	0000	20.66	1

Savage Stone

Truck Ticket Rpt - Detail for THE RECYLING CENTER

Ticket Dates: 02/27/2024 to 02/27/2024

Printed: 02/28/2024 @ 7:45:28AM

Job#	Job Name	Tkt Date	Time	Ticket#	Prod#	Product Name	Zone	Qty	Count
C24-11	COD24-11	02/27/2024	9:49 am	2009699	0022	MD #2 STONE	0000	20.54	1
C24-11	COD24-11	02/27/2024	11:22 am	2009789	0022	MD #2 STONE	0000	20.70	1
C24-11	COD24-11	02/27/2024	12:57 pm	2009896	0022	MD #2 STONE	0000	20.50	1
C24-11	COD24-11	02/27/2024	2:22 pm	2009966	0022	MD #2 STONE	0000	20.69	1
							Total for Truck QE7500:	**123.68**	**6**
							Total for Cst#: RECCEN	**603.60**	**30**

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 09/20/2023

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
McGriff Insurance Services, LLC
P.O. Box 10265
Birmingham, AL 35202

CONTACT NAME: Martha Lee Hawkins / Ext 9406
PHONE (A/C, No, Ext): 1-800-476-2211 FAX (A/C, No):
E-MAIL ADDRESS: mhawkins@mcgriff.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Arch Insurance Company	11150
INSURER B :	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
Laney Materials, LLC
dba The Recycling Center
14852 Old Gunpowder Road
Laurel, MD 20707

COVERAGES **CERTIFICATE NUMBER:** TRMB8Z3Q **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	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ CLAIMS-MADE ☐ OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$
	☐ POLICY ☐ PRO-JECT ☐ LOC						PRODUCTS - COMP/OP AGG	$
	OTHER:							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	☐ UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	☐ EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	☐ DED ☐ RETENTION $							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			ZAWCI9424506	10/01/2023	10/01/2024	X PER STATUTE ☐ OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N: N	N / A					E.L. EACH ACCIDENT	$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						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)

CERTIFICATE HOLDER

Maryland Department of the Environment
1800 Washington Blvd., Suite 720
Baltimore, MD 21230-0715

CANCELLATION

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

LANEY
RECYCLING AND AGGREGATES
RECYCLED AGGREGATES • CRUSHED STONE

A division of Laney Materials, LLC

Matthew Hafner
Air and Radiation Administration
Maryland Dept. of the Environment
1800 Washington Blvd, Suite 720
Baltimore, Maryland 21230-0715

Dear Mr. Hafner:

In March 2024 we submitted an application for a permit to construct for a like-for-like replacement of the crushing and screening plant (CSP) we use to process reclaimed asphalt pavement (RAP), designated "Plant C" at our Laurel site. Subsequent to this submission we were notified that the Department would not waive the public participation component of the application process because replacement of all equipment constituted a reconstruction of the plant.

With this being the case, Laney Recycling & Materials is requesting that the permit for which the application was submitted be issued as a Flexible Permit for Crushing & Screening Plants.

In addition, we are submitting applications for the two existing CSPs, designated Plant A and Plant B to obtain Flexible Permits for Crushing & Screening Plants for them as well.

Best regards,

Jerry Rothenhoeffer
Director

14852 Old Gunpowder Road · Laurel, Maryland 20707
(301) 953-1424 · (410) 792-2999 · Fax (301) 317-8003 · www.laneyrecycling.com

LANEY MATERIALS, LLC. dba
LANEY RECYCLING AND AGGREGATES

14852 Old Gunpowder Rd.
Laurel, Maryland

PLANT A
Application for Permit to Construct

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MARYLAND DEPARTMENT OF THE ENVIRONMENT
1800 Washington Boulevard ■ 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

LANEY MATERIALS, LLC. dba LANEY RECYCLING AND AGGREGATES

Mailing Address

5400 ENTERPRISE ST.
Street Address

ELDERSBURG | MD | 21784
City | State | Zip

Telephone Number 410 795 1761

Signature

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

JERRY ROTHENHOEFFER, DIRECTOR
Print Name and Title | Date

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

14852 OLD GUNPOWDER RD.
Street Number and Street Name

LAUREL | MD | 20707 | 410 795 1761
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 Begin (MM/YY)	New Construction Completed (MM/YY)	Existing Initial Operation (MM/YY)
B			1 1 1 8
15	16-19	20-23	20-23

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

Plant A: One (1) 325 ton-per-hour recycled materials (RAP, Concrete, Brick, etc.) Crushing & Screening plant consisting of one (1) Jaw crusher with one conveyor; one (1) 2-deck screener with two (2) side conveyors and one end conveyor; and two (2) radial stacking conveyors. Each component is equipped with a diesel-fired engine.

5. Workmen's Compensation Coverage ZAWC1942506 (Binder/Policy Number) 10/01/2024 (Expiration Date)

Company ARCH INSURANCE COMPANY

NOTE: Before a Permit to Construct may be issued by the Department, the appicant 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 T 1

6B. Number of Stack/Emission Points Associated with this Equipme 3 STACK, 18 FUGITIVE

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

RECYCLING CENTER FOR WASTE ASPHALT PAVEMENT MATERIALS, WASTE CONCRETE MATERIALS, BUILDING DEMOLITION MATERIALS, ETC.

9. Control Devices Associated with this Equipment

NONE	Simple/Multiple Cyclone	Spray/Adsorb Tower	Venturi Scrubber	Carbon Adsorber	Electrostatic Precipitator	Baghouse	Thermal/Catalytic Afterburner	Dry Scrubber
☐	☐	☐	☐	☐	☐	☐	☐	☐
24-0	24-1	24-2	24-3	24-4	24-5	24-6	24-7	24-8

Other [X] 24-9 Describe **WATER SUPPRESSION**

10. Annual Fuel Consumption for this Equipment

ULSD = Ultra Low Sulfur Diesel

OIL - 1000 GALLONS	SULFUR %	GRADE	NATURAL GAS - 1000 FT^3	LP GAS - 100 GALLONS	GRADE
115	15 PPM	ULSD			
26-31	32-33	34	35-41	42-45	

COAL - TONS	SULFUR %	ASH %	WOOD - TONS	MOISTURE %
46-52	53-55	56-58	59-63	64-65

OTHER FUELS (Specify Type)		ANNUAL AMOUNT CONSUMED (Specify Units)	OTHER FUELS (Specify Type)		ANNUAL AMOUNT CONSUMED (Specify Units)
	☐ 66-1			☐ 66-2	

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
X	☐		☐	16	6	300
67-1	67-2	68-69		70-71	72	73-75

Seasonal Variation in Operation:

No Variation	Winter Percent	Spring Percent	Summer Percent	Fall Percent	(Total Seasons= 100%)
X					
76	77-78	79-80	81-82	83-84	

12. Equivalent Stack Information- is Exhaust through Doors, Window, etc. Only? (Y/N) N
85

INCHES

If not, then	Height Above Ground (FT)	Inside Diameter at Top	Exit Temperature (^{O}F)	Exit Velocity (FT/SEC)
	8	3	914	
	86-88	89-91	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? (Y or N)

	NAME	CAS NO. (IF APPLICABLE)	INPUT RATE PER HOUR	UNITS	PER YEAR	UNITS
1.	WASTE ASPHALT PAVEMENT		325	TONS	1,560,000	TONS
2.	MATERIALS, WASTE					
3.	CONCRETE MATERIALS,					
4.	BUILDING DEMOLITION					
5.	MATERIALS, ETC.					
6.						
7.						
8.						
9.						
TOTAL			325	TONS	1,560,000	TONS

14. Output Materials (for this equipment)
Process/Product Stream

	NAME	CAS NO. (IF APPLICABLE)	OUTPUT RATE PER HOUR	UNITS	PER YEAR	UNITS
1.	RECLAIMED ASPHALT		325	TONS	1,560,000	TONS
2.	PAVEMENT MATERIALS,					
3.	CONCRETE MATERIALS,					
4.	BUILDING MATERIALS, ETC.					
5.						
6.						
7.						
8.						
9.						
TOTAL			325	TONS	1,560,000	TONS

15. Waste Streams - Solid and Liquid

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

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

ENGINE EMISSIONS

Particulate Matter	Oxides of Sulfur	Oxides of Nitrogen
	0	17
99-104	105-110	111-116

Carbon Monoxide	Volatile Organic Compunds	PM-10
63	8	00
117-122	123-128	129-134

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

Particulate Matter	Oxides of Sulfur	Oxides of Nitrogen
135-139	140-144	145-149

Carbon Monoxide	Volatile Organic Compunds	PM-10
		10
150-154	155-159	160-164

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

TSP	SOX	NOX	CO	VOC	PM10
	4	4	4	4	2&4
165	166	167	168	169	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 **Reviewed by State**

Date_____ By_____ Date_____ By_____

19. Inventory Date **Month/Year** **Equipment Code** **SCC Code**

171-174 175-177 178-185

20.

Annual Operating Rate	Maximum Design Hourly Rate	Permit to Operate Month	Transaction Date (MM/DD/YR)
188-192	193-199	200-201	202-207

Staff Code	VOC Code	SIP Code	Regulation Code	Confidentiality
208-210	211 212	213 214	215-218	219

Point Description **Action**

220-238 239

A: Add
C: Change

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

PLANT A

FORM 5EP: Emission Point Data

Complete one (1) Form 5EP for EACH emission point (stack or fugitive emissions) related to the proposed installation.

Applicant Name: LANEY MATERIALS, LLC. dba LANEY RECYCLING AND AGGREGATES

1. Emission Point Identification Name/Number

List the applicant assigned name/number for this emission point and use this value on the attached required plot plan:
PLANT A

2. Emission Point Description

Describe the emission point including all associated equipment and control devices:
CRUSHING & SCREENING PLANT WITH DIESEL-FIRED ENGINES

3. Emissions Schedule for the Emission Point

Continuous or Intermittent (C/I)?	I	**Seasonal Variation** Check box if none: ☒ Otherwise estimate seasonal variation:	
Minutes per hour:	60	Winter Percent	
Hours per day:	16	Spring Percent	
Days per week:	6	Summer Percent	
Weeks per year:	50	Fall Percent	

4. Emission Point Information

CRUSHER / SCREENER / STACKER ENGINES

Height above ground (ft):	8 / 8 / 4	Length and width dimensions at top of rectangular stack (ft):	VOLUME SOURCE DIMENSIONS: 177 x 95 x 33 FEET
Height above structures (ft):			
Exit temperature (°F):	914 / 950 / 950	Inside diameter at top of round stack (ft):	
Exit velocity (ft/min):		Distance from emission point to nearest property line (ft):	
Exhaust gas volumetric flow rate (acfm):	2,255 / 681 / 458	Building dimensions if emission point is located on building (ft)	Height / Length / Width

5. Control Devices Associated with the Emission Point

Identify each control device associated with the emission point and indicate the number of devices. ***A Form 6 is also required for each control device***. If none check none:

- ☐ None
- ☐ Baghouse No. _____
- ☐ Cyclone No. _____
- ☐ Elec. Precipitator (ESP) No. _____
- ☐ Dust Suppression System No. _____
- ☐ Venturi Scrubber No. _____
- ☐ Spray Tower/Packed Bed No. _____
- ☐ Carbon Adsorber No. _____
  - ☐ Cartridge/Canister
  - ☐ Regenerative
- ☐ Thermal Oxidizer No. _____
  - ☐ Regenerative
- ☐ Catalytic Oxidizer No. _____
- ☐ Nitrogen Oxides Reduction No. _____
  - ☐ Selective ☐ Non-Selective
  - ☐ Catalytic ☐ Non-Catalytic
- ☐ Other No. _____
  Specify:

WATER SPRAY IS USED AS NEEDED TO SUPPRESS FUGITIVE DUST.

FORM 5EP: Emission Point Data

PLANT A

6. Estimated Emissions from the Emission Point

Criteria Pollutants	At Design Capacity (lb/hr)	At Projected Operations		
		(lb/hr)	(lb/day)	(ton/yr)
Particulate Matter (filterable as PM10)	0.67	0.67	10.71	1.61
Particulate Matter (filterable as PM2.5)	0.14	0.14	2.29	0.34
Particulate Matter (condensables)				
Volatile Organic Compounds (VOC)	0.50	0.50	7.95	1.19
Oxides of Sulfur (SOx)	0.01	0.01	0.09	0.01
Oxides of Nitrogen (NOx)	1.07	1.07	17.0	2.56
Carbon Monoxide (CO)	3.96	3.96	63.3	9.50
Lead (Pb)				

Greenhouse Gases (GHG)	At Design Capacity (lb/hr)	At Projected Operations		
		(lb/hr)	(lb/day)	(ton/yr)
Carbon Dioxide (CO_2)	898	898	14,360	2,154
Methane (CH_4)				
Nitrous Oxide (N_2O)				
Hydrofluorocarbons (HFCs)				
Perfluorocarbons (PFCs)				
Sulfur Hexafluoride (SF6)				
Total GHG (as CO_2e)				

List individual federal Hazardous Air Pollutants (HAP) below:	At Design Capacity (lb/hr)	At Projected Operations		
		(lb/hr)	(lb/day)	(ton/yr)
CRYSTALLINE SILICA	0.00122	0.00122	0.0195	0.0029

(Attach additional sheets as necessary.)

MARYLAND DEPARTMENT OF THE ENVIRONMENT
Air and Radiation Management Administration / Air Quality Permits Program
1800 Washington Boulevard, STE 720 Baltimore, Maryland 21230-1720
(410) 537-3230 • 1-800-633-6101 • www.mde.state.md.us

Mail application to
MDE/ARMA
1800 Washington Blvd, Suite 720
Baltimore, MD 21203-1720

Don't forget to:
✓ *Sign the application*
✓ *Include vendor literature*

Air Quality Permit to Construct & Registration Application for

INTERNAL COMBUSTION ENGINES

(Electrical Power Generators, Power Equipment, Fire Protection Pumps)

1) Applicability

You must check off one of the following items to use this application form

- ☐ Electrical power generation (off grid, base load, peak, load shaving, etc.)
  - Use MDE Form 42 for emergency use only generators
- ☒ Power equipment (hydraulic, mechanical, etc.)
- ☐ Fire protection pump

For electrical power generators only, *you must check off one of the following items to use this application form*

- ☐ I have a CPCN Exemption from the Public Service Commission for this generator (contact the Public Service Commission at 410.767.8131)
- ☐ This generatore was installed before October 1, 2001 and I do not need a CPCN Exemption

2) Business/Institution/Facility where the engine will be located ☐ Check if this is a federal facility

Name: LANEY MATERIALS, LLC. dba LANEY RECYCLING AND AGGREGATES Phone: 410 795 1761

Street Address: 14852 OLD GUNPOWDER RD.

City: LAUREL State: MD Zip Code: 20707 County: PRINCE GEORGES

3) Owner/Operator of the engine (if different than above)

Name: LANEY MATERIALS, LLC Phone: 410 795 1761

Mailing Address: 5400 ENTERPRISE ST.

City: ELDERSBURG State: MD Zip Code: 21784

4) Installer ☐ Check if installer is applying for permit. If checked, complete the following:

Name: Phone:

Mailing Address:

City: State: Zip Code:

5) Engine Information

Installation Date	Engine Manufacturer & Model	Horsepower	Manufacture Date	Fuel Type	
TBD	SCANIA DC09 071A	322	TIER 4F	DIESEL	JAW CRUSHER
TBD	CATERPILLAR C4.4 ATAAC	111	TIER 4F	DIESEL	SCREENER
TBD	DEUTZ TD 2011 L4 i	74	TIER 3	DIESEL	(2, ONE FOR EA. STACKER)

6) Operating Information

Intended use desription: (Examples, "a portable generator at a construction site" or "peak shaving with the emergency generator", etc.)

THE ENGINES ARE TO BE USED TO POWER ONE CRUSHER AND ONE SCREENER, AND 2 RADIAL STACKERS, RESPECTIVELY FOR THE PURPOSE OF PROCESSING CONSTRUCTION DEBRIS AND ROAD PAVING MATERIALS INTO A USABLE SIZE

Hours per day	Hours per year
16	4800

7) Required Attachments

(Check that they are attached)

- [X] Vendor literature
- [ ] CPCN Exemption from the Public Service Commission
  - Electrical generators only
  - Not needed for generators installed before October 1, 2001

8) Workers Compensation (Environmental article §1-202)

Workers insurance policy or binder number: _____

- [ ] Check if self employed or otherwise exempt from this requirement

" I CERTIFY UNDER PENALTY OF LAW THAT THE INFORMATION SUBMITTED IN THIS REQUEST FOR COVERAGE 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."

Owners Signature	MICHAEL LANEY, PRESIDENT Printed Name and Title	Date

LEAVE BLANK, MDE use only

- [ ] Permit
- [ ] Registration (Less than 1,000 brake horsepower & installed prior to 11/24/03)

Permit/Registration Number: _____ - _____ - _____ - _____

AI: _____

	SOx	NOx	CO	VOC	PM	PM-10
Emissons Stack						
Fugitive						

COMPARISON OF EQUIPMENT: PROPOSED NEW VS. EXISTING

	NEW PLANT A	EXISTING PLANT A
Crusher1 OEM	POWERSCREEN	POWERSCREEN
Model #	PREMIERTRAK 400X	XR40
Owner ID		
Crusher1 Type	Jaw	Jaw
Crusher1 Dim		
Serial #		
Crusher1 TPH (OEM)	400	400
Quantity Conveyors	2	
Engine OEM/Model	SCANIA	CATERPILLAR
Engine Model #	DC09 071A	C-9
Engine Serial #		MBD01452
Tier Rating	4F	2
Engine Rated Bhp	322	275
Engine Fuel Rate, gal/hr	16.5	16.4
Screener1 OEM	POWERSCREEN	POWERSCREEN
Owner ID		
SCREENER rated TPH	600	400
Qty of Decks	2, 16' x 5'	2, 14' x 4'
Model #	WARRIOR 1800	XR400
Serial #		PID00124JDGC75389
Quantity Conveyors	4, including under-screen conveyor	
Engine OEM	CATERPILLAR	CATERPILLAR
Engine Model #	C4.4 ATAAC	C4.4-NI-HP
Engine Serial #		44800440
Tier Rating	4F	3
Engine Rated Bhp	111	110
Engine Fuel Rate, gal/hr	5.5	

NEW EQUIPMENT SPECIFICATIONS

	NEW PLANT A
Daily Hours	16
Annual Tons	1,560,000
Annual Hours	4,800
Crusher1 OEM	POWERSCREEN
Model #	PREMIERTRAK 400X
Owner ID	
Crusher1 Type	Jaw
Crusher1 Dim	
Serial #	
Crusher1 TPH (OEM)	400
Quantity Conveyors	2
Engine OEM/Model	SCANIA
Engine Model #	DC09 071A
Engine Serial #	
Tier Rating	4F
Engine Rated Bhp	322
Engine Fuel Rate, gal/hr	16.5
Screener1 OEM	POWERSCREEN
Owner ID	
SCREENER rated TPH	600
Qty of Decks	2, 16' x 5'
Model #	WARRIOR 1800
Serial #	
Quantity Conveyors	4, including under-screen conveyor
Engine OEM	CATERPILLAR
Engine Model #	C4.4 ATAAC
Engine Serial #	
Tier Rating	4F
Engine Rated Bhp	111
Engine Fuel Rate, gal/hr	5.5
Length Crusher1 (ft)	49
Width Crusher1 (ft)	9
Height Crusher1 (ft)	13.5
Length Screener1 (ft)	47
Width Screener1 (ft)	41.5
Height Screener1 (ft)	15
Length JawCombo (ft)	177
Width JawCombo (ft)	95
Height JawCombo (ft)	34
Distance to Property Line	125

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 09/20/2023

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 McGriff Insurance Services, LLC P.O. Box 10265 Birmingham, AL 35202	**CONTACT NAME:** Martha Lee Hawkins / Ext 9406 **PHONE (A/C, No, Ext):** 1-800-476-2211 **FAX (A/C, No):** **E-MAIL ADDRESS:** mhawkins@mcgriff.com
	INSURER(S) AFFORDING COVERAGE — **NAIC #**
	INSURER A : Arch Insurance Company — 11150
INSURED Laney Materials, LLC dba The Recycling Center 14852 Old Gunpowder Road Laurel, MD 20707	**INSURER B :** **INSURER C :** **INSURER D :** **INSURER E :** **INSURER F :**

COVERAGES **CERTIFICATE NUMBER:** TRMB8Z3Q **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	
	COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☐ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☐ PRO-JECT ☐ LOC ☐ OTHER:						EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG 	$ $ $ $ $ $ $
	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) 	$ $ $ $ $
	☐ **UMBRELLA LIAB** ☐ OCCUR ☐ **EXCESS LIAB** ☐ CLAIMS-MADE ☐ DED ☐ RETENTION $						EACH OCCURRENCE AGGREGATE 	$ $ $
A	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? **Y / N** N **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		ZAWCI9424506	10/01/2023	10/01/2024	X PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT 	 $ 1,000,000 $ 1,000,000 $ 1,000,000
								$ $ $ $ $

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

CERTIFICATE HOLDER

Maryland Department of the Environment
1800 Washington Blvd., Suite 720
Baltimore, MD 21230-0715

CANCELLATION

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

LANEY MATERIALS, LLC. dba
LANEY RECYCLING AND AGGREGATES
14852 Old Gunpowder Rd.
Laurel, Maryland

PLANT B
Application for Permit to Construct

LEFT BLANK INTENTIONALLY

MARYLAND DEPARTMENT OF THE ENVIRONMENT
1800 Washington Boulevard ▪ 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

LANEY MATERIALS, LLC. dba LANEY RECYCLING AND AGGREGATES

Mailing Address

5400 ENTERPRISE ST.
Street Address

ELDERSBURG | MD | 21784
City | State | Zip

Telephone Number 410 795 1761

Signature

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

JERRY ROTHENHOEFFER, DIRECTOR
Print Name and Title | Date

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

14852 OLD GUNPOWDER RD.
Street Number and Street Name

LAUREL | MD | 20707 | 410 795 1761
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 (15)	New Construction Begin (MM/YY) (16-19)	New Construction Completed (MM/YY) (20-23)	Existing Initial Operation (MM/YY) (20-23)
B			1 1 1 8

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

Plant B: One (1) 179 ton-per-hour recycled materials (RAP, Concrete, Brick, etc.) Crushing & Screening plant consisting of one (1) Cone crusher with one conveyor; one (1) 2-deck screener with two (2) side conveyors and one end conveyor; and two (2) radial stacking conveyors. Each component is equipped with a diesel-fired engine.

5. Workmen's Compensation Coverage ZAWC1942506 (Binder/Policy Number) 10/01/2024 (Expiration Date)

Company ARCH INSURANCE COMPANY

NOTE: Before a Permit to Construct may be issued by the Department, the appicant 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 T 1

6B. Number of Stack/Emission Points Associated with this Equipme 3 STACK, 16 FUGITIVE

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

RECYCLING CENTER FOR WASTE ASPHALT PAVEMENT MATERIALS, WASTE CONCRETE MATERIALS, BUILDING DEMOLITION MATERIALS, ETC.

9. Control Devices Associated with this Equipment

NONE	Simple/Multiple Cyclone	Spray/Adsorb Tower	Venturi Scrubber	Carbon Adsorber	Electrostatic Precipitator	Baghouse	Thermal/Catalytic Afterburner	Dry Scrubber
☐	☐	☐	☐	☐	☐	☐	☐	☐
24-0	24-1	24-2	24-3	24-4	24-5	24-6	24-7	24-8

Other ☒ 24-9 Describe **WATER SUPPRESSION**

10. Annual Fuel Consumption for this Equipment

ULSD = Ultra Low Sulfur Diesel

OIL - 1000 GALLONS	SULFUR %	GRADE	NATURAL GAS - 1000 FT^3	LP GAS - 100 GALLONS	GRADE
1 2 3	15 PPM	ULSD			
26-31	32-33	34	35-41	42-45	

COAL - TONS	SULFUR %	ASH %	WOOD - TONS	MOISTURE %
46-52	53-55	56-58	59-63	64-65

OTHER FUELS (Specify Type)		ANNUAL AMOUNT CONSUMED (Specify Units)	OTHER FUELS (Specify Type)		ANNUAL AMOUNT CONSUMED (Specify Units)
	☐ 66-1			☐ 66-2	

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
☒	☐			16	6	300
67-1	67-2	68-69		70-71	72	73-75

Seasonal Variation in Operation:

No Variation	Winter Percent	Spring Percent	Summer Percent	Fall Percent	(Total Seasons= 100%)
☒					
76	77-78	79-80	81-82	83-84	

12. Equivalent Stack Information- is Exhaust through Doors, Window, etc. Only? (Y/N) Y
85

If not, then	Height Above Ground (FT)	Inside Diameter at Top	Exit Temperature (^{O}F)	Exit Velocity (FT/SEC)
	86-88	89-91	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? (Y or N)

	NAME	CAS NO. (IF APPLICABLE)	INPUT RATE PER HOUR	UNITS	PER YEAR	UNITS
1.	WASTE ASPHALT PAVEMENT		179	TONS	859,200	TONS
2.	MATERIALS, WASTE					
3.	CONCRETE MATERIALS,					
4.	BUILDING DEMOLITION					
5.	MATERIALS, ETC.					
6.						
7.						
8.						
9.						
TOTAL			179	TONS	859,200	TONS

14. Output Materials (for this equipment)
Process/Product Stream

	NAME	CAS NO. (IF APPLICABLE)	OUTPUT RATE PER HOUR	UNITS	PER YEAR	UNITS
1.	RECLAIMED ASPHALT		179	TONS	859,200	TONS
2.	PAVEMENT MATERIALS,					
3.	CONCRETE MATERIALS,					
4.	BUILDING MATERIALS, ETC.					
5.						
6.						
7.						
8.						
9.						
TOTAL			179	TONS	859,200	TONS

15. Waste Streams - Solid and Liquid

	NAME	CAS NO. (IF APPLICABLE)	OUTPUT RATE PER HOUR	UNITS	PER YEAR	UNITS
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	Oxides of Sulfur	Oxides of Nitrogen
	0	17
99-104	105-110	111-116

Carbon Monoxide	Volatile Organic Compunds	PM-10
67	8	0
117-122	123-128	129-134

ENGINE EMISSIONS

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

Particulate Matter	Oxides of Sulfur	Oxides of Nitrogen
135-139	140-144	145-149

Carbon Monoxide	Volatile Organic Compunds	PM-10
		6
150-154	155-159	160-164

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

TSP	SOX	NOX	CO	VOC	PM10
	4	4	4	4	2&4
165	166	167	168	169	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 **Reviewed by State**

Date_____ By_____ Date_____ By_____

19. Inventory Date **Month/Year** **Equipment Code** **SCC Code**

171-174 175-177 178-185

20.

Annual Operating Rate	Maximum Design Hourly Rate	Permit to Operate Month	Transaction Date (MM/DD/YR)
188-192	193-199	200-201	202-207

Staff Code	VOC Code	SIP Code	Regulation Code	Confidentiality
208-210	211 212	213 214	215-218	219

Point Description **Action**

220-238 239

A: Add
C: Change

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

PLANT B

FORM 5EP: Emission Point Data

Complete one (1) Form 5EP for EACH emission point (stack or fugitive emissions) related to the proposed installation.

Applicant Name: LANEY MATERIALS, LLC. dba LANEY RECYCLING AND AGGREGATES

1. Emission Point Identification Name/Number

List the applicant assigned name/number for this emission point and use this value on the attached required plot plan:
PLANT B

2. Emission Point Description

Describe the emission point including all associated equipment and control devices:
CRUSHING & SCREENING PLANT WITH DIESEL-FIRED ENGINES

3. Emissions Schedule for the Emission Point

Continuous or Intermittent (C/I)?	I	**Seasonal Variation** Check box if none: ☒ Otherwise estimate seasonal variation:	
Minutes per hour:	60	Winter Percent	
Hours per day:	16	Spring Percent	
Days per week:	6	Summer Percent	
Weeks per year:	50	Fall Percent	

4. Emission Point Information

CRUSHER / SCREENER / STACKER ENGINES

Height above ground (ft):	8 / 8 / 4	Length and width dimensions at top of rectangular stack (ft):	VOLUME SOURCE DIMENSIONS: 161 x 108 x 33 FEET
Height above structures (ft):			
Exit temperature (°F):	914 / 950 / 950	Inside diameter at top of round stack (ft):	
Exit velocity (ft/min):		Distance from emission point to nearest property line (ft):	
Exhaust gas volumetric flow rate (acfm):	2,255 / 681 / 458	Building dimensions if emission point is located on building (ft)	Height / Length / Width

5. Control Devices Associated with the Emission Point

Identify each control device associated with the emission point and indicate the number of devices. ***A Form 6 is also required for each control device***. If none check none:

- ☐ None
- ☐ Baghouse No. _____
- ☐ Cyclone No. _____
- ☐ Elec. Precipitator (ESP) No. _____
- ☐ Dust Suppression System No. _____
- ☐ Venturi Scrubber No. _____
- ☐ Spray Tower/Packed Bed No. _____
- ☐ Carbon Adsorber No. _____
  - ☐ Cartridge/Canister
  - ☐ Regenerative
- ☐ Thermal Oxidizer No. _____
  - ☐ Regenerative
- ☐ Catalytic Oxidizer No. _____
- ☐ Nitrogen Oxides Reduction No. _____
  - ☐ Selective ☐ Non-Selective
  - ☐ Catalytic ☐ Non-Catalytic
- ☐ Other No. _____
  Specify:

WATER SPRAY IS USED AS NEEDED TO SUPPRESS FUGITIVE DUST.

FORM 5EP: Emission Point Data

PLANT B

6. Estimated Emissions from the Emission Point

Criteria Pollutants	At Design Capacity (lb/hr)	At Projected Operations		
		(lb/hr)	(lb/day)	(ton/yr)
Particulate Matter (filterable as PM10)	0.41	0.41	6.68	1.01
Particulate Matter (filterable as PM2.5)	0.10	0.10	1.63	0.25
Particulate Matter (condensables)				
Volatile Organic Compounds (VOC)				
Oxides of Sulfur (SOx)	0.01	0.01	0.09	0.01
Oxides of Nitrogen (NOx)	1.09	1.09	17.5	2.62
Carbon Monoxide (CO)	4.20	4.20	67.3	10.09
Lead (Pb)				

Greenhouse Gases (GHG)	At Design Capacity (lb/hr)	At Projected Operations		
		(lb/hr)	(lb/day)	(ton/yr)
Carbon Dioxide (CO_2)	880	880	14,079	2,112
Methane (CH_4)				
Nitrous Oxide (N_2O)				
Hydrofluorocarbons (HFCs)				
Perfluorocarbons (PFCs)				
Sulfur Hexafluoride (SF6)				
Total GHG (as CO_2e)				

List individual federal Hazardous Air Pollutants (HAP) below:	At Design Capacity (lb/hr)	At Projected Operations		
		(lb/hr)	(lb/day)	(ton/yr)
CRYSTALLINE SILICA	0.00079	0.00079	0.0126	0.0019

(Attach additional sheets as necessary.)

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Air and Radiation Management Administration / Air Quality Permits Program
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Mail application to
MDE/ARMA
1800 Washington Blvd, Suite 720
Baltimore, MD 21203-1720

Don't forget to:
✓ *Sign the application*
✓ *Include vendor literature*

Air Quality Permit to Construct & Registration Application for

INTERNAL COMBUSTION ENGINES

(Electrical Power Generators, Power Equipment, Fire Protection Pumps)

1) Applicability

You must check off one of the following items to use this application form

- ☐ Electrical power generation (off grid, base load, peak, load shaving, etc.)
  - Use MDE Form 42 for emergency use only generators
- ☒ Power equipment (hydraulic, mechanical, etc.)
- ☐ Fire protection pump

For electrical power generators only, *you must check off one of the following items to use this application form*

- ☐ I have a CPCN Exemption from the Public Service Commission for this generator (contact the Public Service Commission at 410.767.8131)
- ☐ This generatore was installed before October 1, 2001 and I do not need a CPCN Exemption

2) Business/Institution/Facility where the engine will be located

☐ Check if this is a federal facility

Name: LANEY MATERIALS, LLC. dba LANEY RECYCLING AND AGGREGATES Phone: 410 795 1761

Street Address: 14852 OLD GUNPOWDER RD.

City: LAUREL State: MD Zip Code: 20707 County: PRINCE GEORGES

3) Owner/Operator of the engine (if different than above)

Name: LANEY MATERIALS, LLC Phone: 410 795 1761

Mailing Address: 5400 ENTERPRISE ST.

City: ELDERSBURG State: MD Zip Code: 21784

4) Installer

☐ Check if installer is applying for permit. If checked, complete the following:

Name: Phone:

Mailing Address:

City: State: Zip Code:

5) Engine Information

Installation Date	Engine Manufacturer & Model	Horsepower	Manufacture Date	Fuel Type
TBD	SCANIA, DC09 071A	365	TIER 4F	DIESEL
TBD	CATERPILLAR C4.4 ATAAC	111	TIER 4F	DIESEL
TBD	DEUTZ TD 2011 L4 i	74	TIER 3	DIESEL

6) Operating Information

Intended use desription: (Examples, "a portable generator at a construction site" or "peak shaving with the emergency generator", etc.)

THE ENGINES ARE TO BE USED TO POWER ONE CRUSHER AND ONE SCREENER, AND 2 RADIAL STACKERS, RESPECTIVELY FOR THE PURPOSE OF PROCESSING CONSTRUCTION DEBRIS AND ROAD PAVING MATERIALS INTO A USABLE SIZE

Hours per day	Hours per year
16	4800

7) Required Attachments

(Check that they are attached)

- [X] Vendor literature
- [ ] CPCN Exemption from the Public Service Commission
  - Electrical generators only
  - Not needed for generators installed before October 1, 2001

8) Workers Compensation (Environmental article §1-202)

Workers insurance policy or binder number: _____

- [ ] Check if self employed or otherwise exempt from this requirement

" I CERTIFY UNDER PENALTY OF LAW THAT THE INFORMATION SUBMITTED IN THIS REQUEST FOR COVERAGE 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."

Owners Signature	Printed Name and Title	Date
	MICHAEL LANEY, PRESIDENT	

LEAVE BLANK, MDE use only

- [ ] Permit
- [ ] Registration (Less than 1,000 brake horsepower & installed prior to 11/24/03)

Permit/Registration Number: _____ - _____ - _____ - _____

AI: _____

	SOx	NOx	CO	VOC	PM	PM-10
Emissons Stack						
Fugitive						

COMPARISON OF EQUIPMENT: PROPOSED NEW VS. EXISTING

	NEW PLANT B	EXISTING PLANT B
Crusher1 OEM	POWERSCREEN	UNIVERSAL ENGINEERING
Model #	1000 MAXTRAK	32 x 54
Owner ID		
Crusher1 Type	CONE	JAW
Crusher1 Dim		
Serial #		147X20
Crusher1 TPH (OEM)	230	250
Quantity Conveyors	2	
Engine OEM/Model	SCANIA	CATERPILLAR
Engine Model #	DC09 071A	3408
Engine Serial #		67U16028
Tier Rating	4F	0
Engine Rated Bhp	365	560
Engine Fuel Rate, gal/hr	18.2	25.2
Crusher2 OEM		HAZEMAG
Crusher2 Type		IMPACT
Crusher2 Dim.		10 x 13
Serial #		HU1437
Crusher2 TPH		150
Quantity Conveyors		
Engine OEM		ELECTRIC
Engine Model #		
Engine Serial #		
Screener1 OEM	POWERSCREEN	TABOR
Owner ID		
SCREENER rated TPH	600	250
Qty of Decks	2, 16' x 5'	2, 16' x 6'
Model #	WARRIOR 1800	
Serial #		3908
Quantity Conveyors	4, including under-screen conveyor	
Engine OEM	CATERPILLAR	ELECTRIC
Engine Model #	C4.4 ATAAC	
Engine Serial #		
Tier Rating	4F	
Engine Rated Bhp	111	
Engine Fuel Rate, gal/hr	5.5	

NEW EQUIPMENT SPECIFICATIONS

	NEW PLANT B
Daily Hours	16
Annual Tons	859,200
Annual Hours	4,800
Crusher1 OEM	POWERSCREEN
Model #	1000 MAXTRAK
Owner ID	
Crusher1 Type	CONE
Crusher1 Dim	
Serial #	
Crusher1 TPH (OEM)	230
Quantity Conveyors	2
Engine OEM/Model	SCANIA
Engine Model #	DC09 071A
Engine Serial #	
Tier Rating	4F
Engine Rated Bhp	365
Engine Fuel Rate, gal/hr	18.2
Screener1 OEM	POWERSCREEN
Owner ID	
SCREENER rated TPH	600
Qty of Decks	2, 16' x 5'
Model #	WARRIOR 1800
Serial #	
Quantity Conveyors	4, including under-screen conveyor
Engine OEM	CATERPILLAR
Engine Model #	C4.4 ATAAC
Engine Serial #	
Tier Rating	4F
Engine Rated Bhp	111
Engine Fuel Rate, gal/hr	5.5
Length Crusher1 (ft)	48
Width Crusher1 (ft)	11.3
Height Crusher1 (ft)	13.5
Length Screener1 (ft)	47
Width Screener1 (ft)	41.5
Height Screener1 (ft)	15
Length ConeCombo (ft)	161
Width ConeCombo (ft)	108
Height ConeCombo (ft)	34
Distance to Property Line	125

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 09/20/2023

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 McGriff Insurance Services, LLC P.O. Box 10265 Birmingham, AL 35202	**CONTACT NAME:** Martha Lee Hawkins / Ext 9406 **PHONE (A/C, No, Ext):** 1-800-476-2211 **FAX (A/C, No):** **E-MAIL ADDRESS:** mhawkins@mcgriff.com
	INSURER(S) AFFORDING COVERAGE — **NAIC #**
	INSURER A : Arch Insurance Company — 11150
INSURED Laney Materials, LLC dba The Recycling Center 14852 Old Gunpowder Road Laurel, MD 20707	**INSURER B :** **INSURER C :** **INSURER D :** **INSURER E :** **INSURER F :**

COVERAGES **CERTIFICATE NUMBER:** TRMB8Z3Q **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	
	☐ **COMMERCIAL GENERAL LIABILITY** ☐ CLAIMS-MADE ☐ OCCUR ☐ ☐ GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☐ PRO-JECT ☐ LOC ☐ OTHER:						EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG 	$ $ $ $ $ $ $
	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY ☐ ☐						COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) 	$ $ $ $ $
	☐ **UMBRELLA LIAB** ☐ OCCUR ☐ **EXCESS LIAB** ☐ CLAIMS-MADE ☐ DED ☐ RETENTION $						EACH OCCURRENCE AGGREGATE 	$ $ $
A	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		ZAWCI9424506	10/01/2023	10/01/2024	X PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT 	 $ 1,000,000 $ 1,000,000 $ 1,000,000
								$ $ $ $ $

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

CERTIFICATE HOLDER

Maryland Department of the Environment
1800 Washington Blvd., Suite 720
Baltimore, MD 21230-0715

CANCELLATION

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

MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION
Prince George's County Planning Department
Planning Information Services
14741 Governor Oden Bowie Drive, Suite L2
Upper Marlboro, MD 20772
240-545-8976
www.mncppc.org

Zoning Certification Letter

April 28, 2023

Case #: **ZCL-2023-0097**

LANEY RECYCLING LLC
JERRY ROTHENHOEFER, DIRECTOR
14852 OLD GUNPOWDER ROAD
LAUREL, MD 20707

Re: 14852 OLD GUNPOWDER ROAD, LAUREL, MD 20707
TAX ID: 0998575 (PARCEL 224)

Zoning Classification: **I-2 - HEAVY INDUSTRIAL**

Use: **CONCRETE RECYCLING FACILITY**

Effective April 1, 2022, Prince George's County enacted a new Zoning Ordinance and Countywide Map Amendment. You have requested that your zoning certification application for the current and proposed use of a concrete recycling facility be reviewed under the prior Zoning Ordinance (Ordinance). Specific uses permitted in the I-2 Zone may be found in Section 27-473(b). Per this section, a concrete recycling facility is a permitted use in the I-2 Zone and shall not be subject to a special exception process provided it meets the conditions set forth in Footnote 68 (copy attached). Research of our records indicates Permit 31260-2015-U was approved on July 20, 2017, for a certified nonconforming concrete recycling facility (including up to three concrete crushers on the property) per District Council Order dated March 3, 2017, 2633-88-CGU-04, and 5601-94-U. Per Section 27-242 of the prior Ordinance, any alteration, expansion, or change to a certified nonconforming use that was not part of the original approval/certification requires the approval of a special exception. However, the in-kind replacement of an existing crushing and screening plant does not require a special exception.

Information regarding use and occupancy permits, building permits, and outstanding violations may be obtained by contacting the Prince George's County Department of Permitting, Inspections, and Enforcement (DPIE) at 301-636-2000 (https://www.princegeorgescountymd.gov/1606/Contact-Us).

This information was researched as a public service on 4/28/2023, in accordance with the application filed on 3/20/2023. The Planning Director certifies that the information contained herein is accurate to the best of the Planning Department's knowledge, information, and belief, and is based upon or relates to the information supplied by the applicant. The Department assumes no liability for errors and omissions. All information was obtained from the Prince George's County Zoning Ordinance: **https://online.encodeplus.com/regs/princegeorgescounty-md/.**

Sincerely,
Hilary Covington
Planning Information Services
on behalf of the Planning Director

(b) TABLE OF USES.

USE	I-2[33]
Concrete recycling facility (CB-78-2004; CB-46-2018; CB-54-2020)	P[68]

68	Notwithstanding any other provision of this Subtitle, a Concrete recycling facility shall not be subject to a special exception process and shall be a permitted use in the I-2 Zone, provided that:
	(A) The concrete recycling facility use is located on property with an existing, operational sand and gravel wet processing facility use;
	(B) The use is located on at lot or parcel consisting of at least twenty (20) acres;
	(C) Operations of the use on the site are limited to the hours of 7:00 a.m. to 4:00 p.m. Monday through Friday;
	(D) Operations of the use on the site shall not occur on weekends;
	(E) Crushing operations of the use on the site shall be limited to sixty (60) days per calendar year;
	(F) The use shall be located on property abutted on three (3) sides by land with a zoning classification of O-S;
	(G) The concrete recycling and other components of the use having the potential for generation of adverse noise, dust, or vibration impacts shall be located at least three hundred (300) feet from the boundary lines of the subject property, adjoining land in any residential or commercial zone, or land proposed for residential or commercial uses within a Comprehensive Design Zone, Mixed Use, or Planned Community Zone; and
	(H) A site plan is filed and approved by the County Department of Permitting, Inspections, and Enforcement ("DPIE") with the building permit for the use that includes the following:
	(1) the components of the concrete recycling facility;
	(2) the location of all material stockpiles;
	(3) the location of settling ponds, if any;
	(4) the source of water to be used in conjunction with the operations of the use;
	(5) the truck wash-out facilities, if any;
	(6) the methods of disposing of waste materials associated with operations of the use;
	(7) the internal traffic circulation system for operations of the use; and
	(8) the parking and storage areas for all vehicles and equipment associated with operations of the use. (CB-46-2018)

MARYLAND DEPARTMENT OF THE ENVIRONMENT

AIR AND RADIATION ADMINISTRATION
APPLICATION FOR A PERMIT TO CONSTRUCT

SUPPLEMENT TO
DOCKET #06-24

COMPANY: Laney Materials, LLC dba Laney Recycling and Aggregates

LOCATION: 14852 Old Gunpowder Road, Laurel, Maryland, 20707

APPLICATION: Modification of crushing and screening Plant C to replace the existing crushing and screening equipment with the installation of one (1) combined crusher and screen powered by one (1) 375 horsepower diesel engine and for the ability to replace the equipment in Plants A, B, and C with like-kind equipment as needed.

ITEM	DESCRIPTION
1	Notice of Tentative Determination, 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, 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 Laney Materials, LLC dba Laney Recycling and Aggregates on May 2, 2024, and May 23, 2024, for the modification of crushing and screening Plant C to replace the existing crushing and screening equipment with the installation of one (1) combined crusher and screen powered by one (1) 375 horsepower diesel engine and for the ability to replace the equipment in Plants A, B, and C with like-kind equipment as needed. The proposed modification will be located at 14852 Old Gunpowder Road, Laurel, Maryland, 20707.

The issuance of the Permit-to-Construct for this facility will be the subject of a Public Hearing to be held on January 13, 2025, at 6:00 PM with an inclement weather date of January 14, 2025, at 6:00 PM at the Bond Hill Elementary School, 16001 Sherwood Avenue, Laurel, Maryland, 20707.

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. A final determination on issuance of the permit will only be made after review of all pertinent information presented at the public hearing or received in written comments. 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 #06-24 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 31.7, 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.

Persons who wish to make a statement concerning this application at the hearing are requested to provide the Department with a copy of their statement. In lieu of oral statements at the hearing, written comments may be submitted at the time of the hearing or to the Department no later than 30 days from the date of this notice or within 5 days after the hearing, whichever is later.

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, whichever is later. The public comment period may only be extended one time for a 60-day period.

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

The Department will provide an interpreter for deaf and hearing impaired persons provided that a request is made for such service at least ten (10) days prior to the hearing.

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
LANEY MATERIALS, LLC dba LANEY RECYCLING AND AGGREGATES

PROPOSED MODIFICATION OF CRUSHING AND SCREENING PLANT C TO REPLACE THE EXISTING CRUSHING AND SCREENING EQUIPMENT WITH ONE (1) 150 TON PER HOUR COMBINED CRUSHER AND SCREEN POWERED BY A 375 HORSEPOWER TIER 4 DIESEL ENGINE AND FOR THE ABILITY TO REPLACE EQUIPMENT IN PLANTS A, B, AND C WITH LIKE-KIND EQUIPMENT AS NEEDED

I. INTRODUCTION

The Maryland Department of the Environment (the "Department") received an application from Laney Materials, LLC dba Laney Recycling and Aggregates on May 2, 2024, and May 23, 2024, for a Permit to Construct to modify existing crushing and screening Plant C to replace the existing crushing and screening equipment with one (1) 150 ton per hour crusher and screen combined unit powered by one (1) 375 horsepower (hp) Tier 4 diesel engine, and for the ability to replace crushing and screening Plants A, B, and C with like-kind equipment as needed. The proposed crushing and screening Plant C will be located at 14852 Old Gunpowder Road, Laurel, Maryland, 20707.

A notice was placed in The Washington Post on July 11, 2024, and July 15, 2024, announcing a scheduled informational meeting to discuss the permit to construct application. The informational meeting was held on July 25, 2024, at the Laurel-Beltsville Senior Activity Center located at 7120 Contee Road, Laurel, Maryland, 20707.

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 facility is expected to comply with all applicable air quality regulations. A public hearing has been scheduled for January 13, 2025, at 6:00 PM with an inclement weather date of January 14, 2025, at 6:00 PM at the Bond Hill Elementary School located at 16001 Sherwood Avenue, Laurel, Maryland, 20707, to provide interested parties an opportunity to comment on the Department's tentative determination and draft permit conditions, and/or to present other pertinent concerns about the proposed facility. Notices concerning the date, time and location of the public hearing will be published in the legal section of a newspaper with circulation in general area of the proposed facility. Interested parties may also submit written comments.

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

Laney Materials, LLC dba Laney Recycling and Aggregates (Laney) operates a crushing and screening facility for reclaimed asphalt pavement, waste concrete, and waste building materials in Prince George's County. The facility is currently comprised of the following equipment:

ARA Registration Number	Description	Date of Installation
033-1711-6-1516	Plant A: One (1) 230 ton per hour (tph) portable crushing and screening plant equipped with a wet suppression system consisting of the following: • One (1) Premiertrak 400X jaw crusher powered by a Tier 4f diesel engine rated at 322 horsepower (hp) or less. • One (1) 16'x5' Powerscreen Warrior 1800 screen powered by a Tier 4f diesel engine rated at 111 hp or less. • Two (2) 74'x3' 7436 Radial Stackers each powered by a Tier 3 or better diesel engine rated at 74 hp or less.	2018
033-1711-6-1517	Plant B: One (1) 150 tph portable crushing and screening plant equipped with a wet suppression system consisting of the following: • One (1) tph Premiertrak 1000 Maxtrak cone crusher powered by a Tier 4f diesel engine rated at 365 hp or less. • One (1) 16'x5' Powerscreen Warrior 1800 screen powered by a Tier 4f diesel engine rated at 111 hp or less. • Two (2) 74'x3' 7436 Radial Stackers each powered by a Tier 3 or better diesel engine rated at 74 hp or less.	2018
033-1711-6-	Plant C: One (1) 150 tph portable crushing and	2009

ARA Registration Number	Description	Date of Installation
1518	screening plant equipped with a wet suppression system consisting of the following: • One (1) Terex Pegson 1412 Crusher powered by a Tier II 425-hp diesel engine. • One (1) 16'x5' Powerscreen Chieftain screen powered by a Tier III 100-hp diesel engine.	

B. Proposed Installation

Laney Materials is proposing to replace the existing crushing and screening Plant C (ARA Registration No. 033-1711-6-1518) with one (1) 150 ton per hour McCloskey 144v3HDF Crusher and Screen combined unit powered by one (1) 375-hp Tier 4 diesel engine, and for the ability to replace crushing and screening Plants A, B, and C with like-kind equipment as needed.

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 the 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 & 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 & 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 construction, modification, or operation of a NSPS source in a manner which results or will result in violation of the provisions of 40 CFR, Part 60.

(f) COMAR 26.11.09.05E, which limits visible emissions from internal combustion engines to 10% and 40% opacity during idle and operating modes, respectively.

(g) COMAR 26.11.09.07A(2), which limits the sulfur content of distillate fuel oils to not more than 0.3 percent by weight.

(h) 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.

(i) 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 Prince George's County complies with the NAAQS for particulate matter, carbon monoxide, nitrogen dioxide, sulfur dioxide, and lead.

Ground level ozone continues to present a problem for the entire Washington 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. Prince George's County 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

[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.

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 Screening Tool. The EJ Score, expressed as a statewide percentile, was shown to be 31.7 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.

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 1-mile radius EJ Score, expressed as a statewide percentile, was shown to be 74.

An EJ Score of 74 indicates that the proposed installation is located in an area that is not disproportionately impacted by sources of pollution or at a higher risk of health problems from environmental exposures than other areas in Maryland. The Department has reviewed the air quality impacts from this proposed installation and has determined that the proposed installation will meet all applicable air quality standards.

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 established emission factors and federal tier engine emissions limits for diesel engines, and U.S. EPA established emission factors for crushing and screening plants. The conservative U.S. EPA's SCREEN3 model and AERMOD dispersion model were 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** – It is expected that the engine emissions of air pollutants of concern will decrease with the installation of the proposed Plant C crusher and screen unit combined replacing the existing Plant C crushing and screening equipment. The maximum emissions of air pollutants of concern from the 375-hp, Tier 4 engine powering the proposed Plant C crusher and screen combined unit are listed in column 2 and the maximum emissions of air pollutants of concern generated from the existing engines powering the existing Plant C crushing and screening plant are listed in column 3 (one (1) 425-hp, Tier 2 diesel engine and one (1) 100-hp, Tier 3 diesel engine). The decrease in the maximum emissions of air pollutants of concern as a result of the proposed replacement of Plant C crushing and screen equipment are listed in column 4.

B. **Compliance with National Ambient Air Quality Standards -** The ambient background concentration for each pollutant, which includes the projected contribution from the Plant C crushing and screening equipment, are listed in column 2 of Table II. The ambient background concentration for each pollutant shown in column 2 of Table II is less than the NAAQS for each pollutant shown in column 3.

C. **Compliance with Air Toxics Regulations** – The toxic air pollutant of concern, crystalline silica, emitted from the existing facility is expected to remain the same or decrease with the proposed replacement of Plant C crushing and screening equipment. The premises-wide emissions of crystalline silica generated from existing Plants A, B, and C is listed in column 3 of Table III. The predicted maximum off-site ambient concentrations of crystalline silica is shown in column 4 of Table III, and the maximum concentration is less than the corresponding screening level for crystalline silica shown in column 2.

VII. 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, the 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 DECREASE IN MAXIMUM ENGINE EMISSIONS FROM THE PROPOSED REPLACEMENT OF PLANT C

POLLUTANT	PROJECTED MAXIMUM ENGINE EMISSIONS FROM PROPOSED PLANT C		EXISTING PLANT C MAXIMUM PROJECTED ENGINE EMISSIONS	EXPECTED DECREASE IN MAXIMUM ENGINE EMISSIONS FROM PROPOSED PLANT C
	(lbs/day)	(tons/year)	(tons/year)	(tons/year)
Nitrogen Dioxide (NO_2)	2.97	0.54	7.90	7.36
Sulfur Dioxide (SO_2)	9.23	1.68	2.36	0.68
Carbon Monoxide (CO)	25.77	4.70	7.12	2.42
Volatile Organic Compounds (VOC)	1.39	0.25	3.39	3.14
Particulate Matter (PM_{10})	0.15	0.03	0.41	0.38

TABLE II
PROJECTED IMPACT OF EMISSIONS OF CRITERIA POLLUTANTS ON AMBIENT AIR QUALITY

POLLUTANTS	BACKGROUND AMBIENT AIR CONCENTRATIONS ($\mu g/m^3$)*	NATIONAL AMBIENT AIR QUALITY STANDARDS (NAAQS) ($\mu g/m^3$)
Nitrogen Dioxide (NO_2)	annual avg.→ 11.7	annual avg.→ 100
Carbon Monoxide (CO)	8-hr max.→ 1031 1-hr max.→ 1145	8-hr max.→ 10,000 1-hr max.→ 40,000
Sulfur Dioxide (SO_2)	24-hour max.→ 1.05 annual avg.→ 0.13	24-hour max.→ 366 annual avg.→ 78.5
Particulate Matter (PM_{10})	24-hr max.→ 87	24-hr max.→ 150

Note: The background ambient air concentrations listed above includes the concentrations of pollutants generated from existing equipment at the plant. As shown in Table I there will be a decrease in the concentration of pollutants with the proposed replacement of Plant C.

*Background concentrations of NO_2, CO, $PM_{10,}$ and SO_2 were obtained from Howard University's Beltsville Laboratory Monitoring Station in Prince George's County.

TABLE III
PREDICTED MAXIMUM OFF-SITE AMBIENT CONCENTRATIONS FOR TOXIC AIR POLLUTANTS EMITTED FROM THE PREMISES INCLUDING THE PROPOSED REPLACEMENT PLANT C

TOXIC AIR POLLUTANTS	SCREENING LEVELS ($\mu g/m^3$)	PROJECTED WORST-CASE FACILITY-WIDE EMISSIONS (lbs/hr)	PREDICTED MAXIMUM OFF-SITE GROUND LEVEL CONCENTRATIONS ($\mu g/m^3$)
Crystalline Silica	1-hour→ None 8-hour→ 0.25 Annual→ None	0.00025	1-hour→ None 8-hour→ 0.020 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. Additional dispersion modeling was performed using AERMOD to determine the impact of PM-10.

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]

PERMIT FEE:
$2000.00 (Paid)

EXPIRATION DATE:
In accordance with
COMAR 26.11.02.04B

LEGAL OWNER & ADDRESS
Laney Materials, LLC dba Laney Recycling and Aggregates
5400 Enterprise Street
Eldersburg, MD 21784
Attention: Mr. Jerry Rothenhoefer, Director

SITE

14852 Old Gunpowder Road
Laurel, MD 20707
AI # 20249
Premises # 033-1711

SOURCE DESCRIPTION

One (1) crushing and screening facility.

This permit authorizes the installation of one (1) 150 ton per hour crusher and screen combined unit powered by one (1) 375 horsepower diesel engine to replace the existing Plant C crushing and screening plant (ARA Registration No. 033-1711-6-1518), and the ability to replace equipment in Plants A, B, and C with like-kind equipment as needed.

This permit supersedes all previously issued Permits-to-Construct issued to ARA Premises No. 033-1711.

This permit serves as a Temporary Permit-to-Operate for a period up to 180 days after initiating operation of the crushing and screening Plant C (ARA Registration No. 033-1711-6-1518) authorized by this permit.

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

Program Manager

Director, Air and Radiation Administration

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This permit-to-construct is issued to cover the following registered installations:

ARA Registration Number	Description	Date of Installation
033-1711-6-1516	Plant A: One (1) 230 ton per hour (tph) portable crushing and screening plant consisting of the following: • One (1) Premiertrak 400X jaw crusher powered by a Tier 4f diesel engine rated at 322 horsepower (hp) or less. • One (1) 16'x5' Powerscreen Warrior 1800 screen powered by a Tier 4f diesel engine rated at 111 hp or less. • Two (2) 74'x3' 7436 Radial Stackers each powered by a Tier 3 or better diesel engine rated at 74 hp or less.	2018 Subsequent equivalent equipment may be installed to replace existing equipment, as needed. *Note: all engines shall be at the stated rated tier or better.
033-1711-6-1517	Plant B: One (1) 150 tph portable crushing and screening plant consisting of the following: • One (1) tph Premiertrak 1000 Maxtrak cone crusher powered by a Tier 4f diesel engine rated at 365 hp or less. • One (1) 16'x5' Powerscreen Warrior 1800 screen powered by a Tier 4f diesel engine rated at 111 hp or less. • Two (2) 74'x3' 7436 Radial Stackers each powered by a Tier 3 or better diesel engine rated at 74 hp or less.	2018 Subsequent equivalent equipment may be installed to replace existing equipment, as needed.

ARA Registration Number	Description	Date of Installation
		*Note: all engines shall be at the stated rated tier or better.
033-1711-6-1518	Plant C: One (1) 150 tph portable crushing and screening plant consisting of the following: • One (1) McCloskey I44v3HDR Crusher and Screen combined unit powered by a Tier 4 diesel engine rated at 375 hp or less.	2009 and replaced 2024 Subsequent equivalent equipment may be installed to replace existing equipment, as needed. *Note: The engine shall be Tier 4 or better.

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 and pertaining to registered equipment associated with Laney Materials, LLC dba Laney Recycling and Aggregates (Laney) (ARA Premises No. 033-1711). This includes the Form 5 applications received May 2, 2024, for the replacement of existing Plant C and May 23, 2024, for the ability to replace the equipment in Plants A, B, and C with like-kind equipment as needed.

(b) All valid Summary of Demonstrations for Meeting the Ambient Impact Requirement and T-BACT Requirements (Form 5A and 5T) received at the Department prior to issuance of this permit and pertaining to registered equipment associated with Laney. This includes the Form 5T received May 2, 2024, for the replacement of existing Plant C.

(c) All valid Emissions Data (Forms 5B and 5EP) received at the Department prior to issuance of this permit and pertaining to premises-wide emissions of any TAP associated with Laney. This includes the Form 5EP applications received May 2, 2024, for the replacement of existing Plant C and May 23, 2024, for the ability to replace equipment in Plants A, B, and C with like-kind equipment as needed.

(d) All valid Internal Combustion Engine applications (Form 44) received at the Department prior to issuance of this permit and pertaining to registered equipment associated with Laney. This includes the Form 44 applications received May 2, 2024, for the replacement of existing Plant C and May 23, 2024, for the ability to replace equipment in Plants A, B, and C with like-kind equipment as needed.

(e) Supplemental Information including emission calculations and vendor specifications received May 2, 2024, for the replacement of Plant C.

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 Prince George’s County 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 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 number 033-1711.

(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:

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.

Plant A: All notifications required under 40 CFR 60, Subparts A and OOO 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
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) **Plants A, B and C:** All notifications required by this permit shall be submitted in writing or by electronic communication to the following address:

The Administrator
Compliance Program
Maryland Department of the Environment
Air and Radiation Administration
1800 Washington Boulevard, STE 715
Baltimore MD 21230
Email:

(3) 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.

(e) COMAR 26.11.06.12, which prohibits construction, modification, or operation of a NSPS source in a manner which results or will result in violation of the provisions of 40 CFR, Part 60.

(f) COMAR 26.11.09.05E, which limits visible emissions from internal combustion engines.

(i) Visible Emissions During Idle Mode – A person may not cause or permit the discharge of emissions from any engine, operating at idle, greater than 10 percent opacity in accordance with COMAR 26.11.09.05E(2).

(ii) Visible Emissions During Operating Mode – A person may not cause or permit the discharge of emissions from any engine, operating at other than idle conditions, greater than 40 percent opacity in accordance with COMAR 26.11.09.05E(3).

(iii) Exceptions:

(A) COMAR 26.11.09.05E(2) does not apply for a period of two (2) consecutive minutes after a period of idling of 15 consecutive minutes for the purpose of clearing the exhaust system.

(B) COMAR 26.11.09.05E(2) does not apply to emissions resulting directly from cold engine start-up and warm-up for the following maximum periods:

(i) Engines that are idled continuously when not in service: 30 minutes;

(ii) All other engines: 15 minutes.

(C) COMAR 26.11.09.05E(2) and (3) do not apply while maintenance, repair, or testing is being performed by qualified mechanics.

(g) COMAR 26.11.09.07A(2), 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:

(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 one (1) 150 ton per hour (tph) portable crushing and screening plant to replace the existing Plant C equipment (ARA Registration No. 033-1711-6-1518) consisting of the following equipment shall be constructed in accordance with specifications included in the incorporated applications:

One (1) McCloskey I44v3HDR Crusher and Screen combined powered by a Tier 4 diesel engine rated at 375 horsepower (hp) or less.

(2) The Permittee shall equip the one (1) new 150 tph portable crushing and screening plant (ARA Registration No. 033-1711-6-1518) with a wet suppression system to comply with the particulate matter handling requirements of COMAR 26.11.06.03C and D.

Part D – Operating Conditions

(1) Except as otherwise provided in this part, the one (1) 150 tph portable crushing and screening plant consisting of one (1) McCloskey I44v3HDR Crusher and Screen combined powered by a Tier 4 diesel engine rated at 375 horsepower (hp) or less to replace the existing Plant C equipment (ARA Registration No. 033-1711-6-1518), and all registered installations shall be operated in accordance with specifications included in the application and any operating procedures recommended by equipment vendors unless the Permittee obtains from the Department written authorization for alternative operating procedures.

(2) The Permittee shall maintain and operate all installations and associated air pollution control equipment so as to assure full and continuous compliance with all applicable air pollution control regulations and permit conditions.

(3) The Permittee shall properly maintain, calibrate, and operate all control panel instrumentation and all devices employed to monitor performance of the facility's air pollution control devices.

(4) The Permittee shall comply with the following operating limitations for crushing and screening plants A, B, and C (ARA Registration No. 033-1711-6-1516, 6-1517, and 6-1518) unless the Permittee can demonstrate compliance with all applicable air quality control requirements, including the ambient impact requirements of COMAR 26.11.15.06 and the National Ambient Air Quality Standards for all applicable criteria air pollutants, under other operating conditions and after obtaining prior approval from the Department:

(a) Each crushing and screening plant (Plants A, B, and C) shall be operated no more than twelve (12) hours per calendar day.

(b) Each crushing and screening plant (Plants A, B, and C) shall be operated at least 33 feet from any property boundary at the site.

(c) The hourly throughput for each of the crushing and screening plants (Plants A, B, and C) shall not exceed the following limits:

(i) 230 tons per hour (2,760 tons per day) for Plant A (ARA Registration No. 033-1711-6-1516).

(ii) 150 tons per hour (1,800 tons per day) for Plant B (ARA Registration No. 033-1711-6-1517).

(iii) 150 tons per hour (1,800 tons per day) for Plant C (ARA Registration No. 033-1711-6-1518).

(5) Wet suppression systems shall be used as needed to comply with the fugitive particulate matter requirements of COMAR 26.11.06.03C and COMAR 26.11.06.03D for crushing and screening plants A, B, and C (ARA Registration No. 033-1711-6-1516, 6-1517, and 6-1518).

(6) **Plant A:** Wet suppression systems shall be used as needed to comply with the following opacity limits for nonmetallic mineral processing plants that commenced construction, modification, or reconstruction on or after April 22, 2008, as specified in 40 CFR, Part 60, Subpart OOO (ARA Registration No. 033-1711-6-1516):

(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 any other affected facility).

[Reference: 40 CFR §60.672(b) and Table 3 to 40 CFR, Part 60, Subpart OOO]

(7) The Permittee shall only process reclaimed asphalt pavement (RAP), reclaimed concrete, stone, brick, and block in crushing and screening plants A, B, and C (ARA Registration No. 033-1711-6-1516, 6-1517, and 6-1518).

(8) Soils contaminated with petroleum based fuels, metals, or other volatile organic compounds shall not be processed at the plant.

(9) All engines at the premises shall be nonroad engines, as defined in 40 CFR §1068.30, unless the Permittee complies with the stationary engine requirements of 40 CFR, Part 60, Subpart IIII and 40 CFR, Part 63, Subpart ZZZZ, as applicable, for the engines.

(10) Fugitive dust from plant roads and stockpiles shall be controlled, as necessary, by using water or approved chemical dust suppressants or a combination, thereof.

Part E – Notifications and Testing

(1) **Plant C:** The Permittee shall submit written or electronic notification to the Department of the initial startup date of crushing and screening Plant C (ARA Registration No.033-1711-6-1518) within 15 days after such date.

(2) **Plants A, B, and C:** The Permittee shall submit written or electronic notification to the Department of plans for each subsequent, equivalent replacement equipment associated with the crushing and screening plants A, B, and C at least *15 days before the equipment is brought on-site*.

(3) **Plants A, B, and C:** The Permittee shall submit written or electronic notification to the Department of the initial startup date of each subsequent, equivalent replacement equipment associated with the crushing and screening plants as follows:

(a) **Plant A** (ARA Registration No. 033-1711-6-1516): Within 15 days after the startup date. **[40 CFR §60.7(a)(3) and §60.676(i)]**

(b) **Plants B and C** (ARA Registration No. 033-1711-6-1517 & 6-1518): Within 15 days after the startup date.

(4) **Plant A:** Within 60 days after achieving maximum production but not later than 180 days after the initial startup of each subsequent, equivalent equipment associated with crushing and screening Plant A (ARA Registration No.033-1711-6-1516), the Permittee shall demonstrate compliance with all applicable opacity standards, unless paragraph (9) of this Part applies. **[Reference: 40 CFR §60.11(b) and §60.672(b)]**

(5) **Plant A:** 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 when determining compliance with the opacity standards of 40 CFR §60.672(b):

(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)]**

(6) The duration of the Method 9 (40 CFR, Part 60, Appendix A-4) observations for each emission point must be 30 minutes (five 6-minute averages). Compliance with the applicable opacity standards for each emission point must be based on the average of the five 6-minute averages. **[Reference: 40 CFR §60.675(c)(3)]**

(7) In accordance with 40 CFR, Subpart A, §60.8, the Permittee shall notify the Department in writing at least 30 days prior to any performance test to afford the Department the opportunity to have an observer present. In the event of a delay to the original test date, the Permittee shall notify the Department as soon as possible, either by providing at least 7 days notice of the rescheduled date of the performance test, or by arranging a rescheduled date with the Department.

(8) Within 45 days following the required Method 9 observations, the Permittee shall submit the results to the Department.

(9) The Permittee may use the results of the Method 9 opacity observations for crushing and screening equipment conducted at an alternate site to satisfy the compliance demonstration, if applicable.

Part F - Monitoring, Record Keeping and Reporting

(1) **Plant A:** The Permittee shall perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression systems. The Permittee must initiate corrective action within 24 hours and complete corrective action as expediently 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)]**

(2) **Plants B and C:** The Permittee shall perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression systems. The Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles.

(3) The Permittee shall maintain for at least five (5) years, and shall make available to the Department upon request, records of the following information for each of the crushing and screening plants A, B, and C (ARA Registration No. 033-1711-5-1516, 5-1517, and 5-1518):

(a) Daily records of the hours of operation for each crushing and screening plant in hours per day.

(b) Daily records of the amounts of material processed in each crushing and screening plant in tons per day.

(c) Monthly records of the amount and types of materials processed in each of the crushing and screening plants in tons per month.

(d) Verification that each crusher, screen, and conveyor is operated at least 33 feet from any property boundary at the site.

(e) Records of all opacity observation tests results conducted.

(f) **Plant A:** A log in written or electronic format of each periodic inspection of the wet suppression system required under 40 CFR §60.674(b) for crushing and screening Plant A (ARA Registration No. 031-1711-6-1516), including dates and any corrective actions taken. **[Reference: 40 CFR §60.674(b), §60.676(b)(1), and Table 3 of 40 CFR, Part 60, Subpart OOO]**

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 of crushing and screening Plant A (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)(2)]**

(g) **Plant B and C:** A log in written or electronic format of each periodic inspection of the wet suppression system for crushing and screening Plants B and C (ARA Registration No. 031-1711-6-1517 and 6-1518), including dates and any corrective actions taken.

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 of crushing and screening Plant B or C (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.

(h) The hours of operation of each engine for each operating day.

(i) The amount of diesel fuel burned in the diesel engines each month.

(j) A copy of the notification of the initial start-up date of crushing and screening Plant C (ARA Registration No. 031-1711-6-1518).

(k) A copy of all notifications of the initial start-up date for each subsequent, equivalent replacement equipment of crushing and screening Plants A, B, and C (ARA Registration no. 031-01711-6-1516, 6-1517, and 6-1518).

(l) Equipment information or vendor literature including a description of the equipment, the rated capacity, and the installation date for all equipment associated with crushing and screening Plants A, B, and C (ARA Registration No. 031-1711-6-1516, 6-1517, and 6-1518) and each subsequent, equivalent replacement equipment.

(4) **Plant A:** For crushing and screening Plant A (ARA Registration No. 031-1711-6-1516) and each subsequent, equivalent equipment (if required), 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)]**

(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;

(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

(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 proposed crushing and screening Plant C (ARA Registration No. 031-1711-6-1518) for a period of up to 180 days after initiating operation of Plant C.

(2) The Permittee shall provide the Department with written or electronic notification of the date on which operation of the proposed crushing and screening Plant C (ARA Registration No. 031-1711-6-1518) is initiated. Such notification shall be provided within 15 days after such date.

(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