MARYLAND DEPARTMENT OF THE ENVIRONMENT

AIR AND RADIATION ADMINISTRATION
APPLICATION FOR A PERMIT TO CONSTRUCT

DOCKET #20-21

COMPANY: Global Resource Recyclers

LOCATION: 2600 Marble Court, Forestville, MD 20747

APPLICATION: Installation of one (1) portable RAP crushing and screening plant.

ITEM	DESCRIPTION
1	Notice of Application and Opportunity to Request an Informational Meeting
2	Permit to Construct Application Package including: Form 5, Form 5T, Form 5EP, Form 6, Form 44, site map, vendor specifications, emissions worksheet.
3	Zoning Approval from Prince George's County

DEPARTMENT OF THE ENVIRONMENT
AIR AND RADIATION ADMINISTRATION

NOTICE OF APPLICATION AND
OPPORTUNITY TO REQUEST AN INFORMATIONAL MEETING

The Maryland Department of the Environment, Air and Radiation Administration (ARA) received a permit-to-construct application from Global Resource Recyclers on September 20, 2021 for the installation of one (1) portable RAP crushing and screening plant. The proposed installation will be located at 2600 Marble Court, Forestville, MD 20747

The application and other supporting documents are available for public inspection on the Department's website. Look for Docket #20-21 at the following link:

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

Pursuant to the Environment Article, Section 1-603, Annotated Code of Maryland, the Department will hold an informational meeting to discuss the application and the permit review process if the Department receives a written request for a meeting within 10 working days from the date of the second publication of this notice. All requests for an informational meeting should be emailed to Ms. Shannon Heafey at shannon.heafey@maryland.gov.

Further information may be obtained by contacting Ms. Shannon Heafey by email at shannon.heafey@maryland.gov or by phone at (410) 537-4433.

George S. Aburn, Jr., Director
Air and Radiation Administration

AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

OWNER OF EQUIPMENT/PROCESS	
COMPANY NAME:	Global Resource Recyclers
COMPANY ADDRESS:	2600 Marble Court Forestville MD 20747
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Global Resource Recyclers
PREMISES ADDRESS:	2600 Marle Court Forestville MD 20747
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Harold Green
JOB TITLE:	CEO
PHONE NUMBER:	202-288-4130
EMAIL ADDRESS:	haroldgreen@chamberlaincontractors.com
DESCRIPTION OF EQUIPMENT OR PROCESS	

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

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

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

  No. 1 Form 5
  No. 1 Form 5T
  No. 1 Form 5EP
  No. 1 Form 6
  No. _____ Form 10
  No. _____ Form 11
  No. _____ Form 41
  No. _____ Form 42
  No. 1 Form 44

- [x] Vendor/manufacturer specifications/guarantees
- [x] Evidence of Workman's Compensation Insurance
- [ ] Process flow diagrams with emission points
- [x] Site plan including the location of the proposed source and property boundary
- [ ] Material balance data and all emissions calculations
- [ ] Material Safety Data Sheets (MSDS) or equivalent information for materials processed and manufactured.
- [ ] Certificate of Public Convenience and Necessity (CPCN) waiver documentation from the Public Service Commission (1)
- [x] Documentation that the proposed installation complies with local zoning and land use requirements (2)

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

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

APPLICATION FOR PROCESSING/MANUFACTURING EQUIPMENT

STATE OF MARYLAND
DEPARTMENT OF THE ENVIRONMENT
Air and Radiation Management Administration
1800 Washington Boulevard
Baltimore, Maryland 21230

Permit to Construct
Registration Update
Initial Registration

APPLICATION FOR PROCESSING/MANUFACTURING EQUIPMENT

1A OWNER OF EQUIPMENT/COMPANY NAME: Global Resource Recyclers

MAILING ADDRESS/STREET: 2600 Marble Court

CITY: Forestville STATE: MD ZIP: 20747

TELEPHONE NUMBER: 301-725-4330

SIGNATURE: [signature] PRINT NAME AND TITLE: Harold Creed DATE: 4/14/2021 4/30/2021

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)

2600 Marble Court
STREET AND STREET NAME

Forestville Maryland 20794 301 568-2050
CITY, TOWN | STATE | ZIP | TELEPHONE

PREMISES NAME (IF DIFFERENT FROM ABOVE)

3 STATUS

	STATUS (15)	NEW CONSTRUCTION BEGUN MONTH / YEAR (16-19)	NEW CONSTRUCTION COMPLETED MONTH / YEAR (20-23)	EXISTING INITIAL OPERATION MONTH / YEAR (20-23)
A. NEW EQUIPMENT	A	0521	0521	
B. MODIFICATION TO EXISTING EQUIPMENT				
C. EXISTING EQUIPMENT				

4 DESCRIBE THIS EQUIPMENT: MAKE, MODEL, FEATURES, MANUFACTURER; INCLUDE MAXIMUM HOURLY INPUT RATE, ETC.
One (1) RAP Crusher, one(1) RAP screen, & two(2) Conveyors

5 WORKER'S COMPENSATION COVERAGE EXPIRATION DATE
COMPANY See Attached COS - BINDER / POLICY NUMBER 5309935/

6 A. NUMBER OF PIECES OF IDENTICAL EQUIPMENT UNITS TO BE REGISTERED / PERMITTED AT THIS TIME 0
B. NUMBER OF STACKS / EMISSION POINTS ASSOCIATED WITH THIS EQUIPMENT 3- Crusher & screen 2 conveyor

7 PERSON INSTALLING THIS EQUIPMENT (IF DIFFERENT FROM (1) ABOVE) Same
NAME TITLE
COMPANY
MAILING ADDRESS / STREET
CITY, TOWN STATE TELEPHONE ( )

8 **MAJOR ACTIVITY, PRODUCT, OR SERVICE OF COMPANY AT THIS LOCATION**

ONE Concrete and Recycled Asphalt pavement (RAP) crushing and Screening Plant.

9 **CONTROL DEVICES ASSOCIATED WITH THIS EQUIPMENT**

NONE [ ] 26-0

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 Sprays As required.

10 **ANNUAL FUEL CONSUMPTION FOR THIS EQUIPMENT**
(FUEL LISTED ONLY ACCOUNTS FOR NEW EQUIPMENT USAGE ONLY:

OIL - 1,000 GALLONS	SULFUR %	GRADE	NATURAL GAS - 1,000 FT³	LP GAS - 100 GALLONS	GRADE (A B C D E F)
22.4 (26-31)	03 (32-33)	2 (34)	(35-41)	(42-45)	

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

OTHER FUELS (SPECIFY TYPE)		ANNUAL AMOUNT CONSUMED (SPECIFY TYPE)	OTHER FUELS (SPECIFY TYPE)		ANNUAL AMOUNT CONSUMED (SPECIFY TYPE)
	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 67-1	67-2	68-69		10 70-71	5 72	80 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, WINDOWS, ETC., ONLY?** [ ] 85 Y OR N

	HEIGHT ABOVE GROUND (FT)	INSIDE DIAMETER AT TOP (INCHES)	EXIT TEMPERATURE (°F)	EXIT VELOCITY (FT / SEC)
IF NOT, THEN	10 (86-88)	4 (89-91)	800 (92-95)	225 (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 NUMBER (if applicable)	INPUT RATE PER HOUR	UNITS	PER YEAR	UNITS
1.	RAP Impactor		353	TPH		
2.						
3.	RAP Screen		500	TPH		
4.						
5.	RAP Conveyor		300	TPH		
6.						
7.	RAP Conveyor		300	TPH		
8.						
9.						
	TOTAL					

14. **OUTPUT MATERIALS (for this equipment) PROCESS / PRODUCT STREAM**

	NAME	CAS NUMBER (if applicable)	OUTPUT RATE PER HOUR	UNITS	PER YEAR	UNITS
1.	RAP Impactor		353	TPH		
2.						
3.	RAP Screen		500	TPH		
4.						
5.	RAP Conveyor		300	TPH		
6.						
7.	RAP Conveyor		300	TPH		
8.						
9.						
	TOTAL					

15. **WASTE STREAMS - SOLID AND LIQUID**

	NAME	CAS NUMBER (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
N A	1 0 . 6	1 6 1
99-104	105-110	111-116

CARBON MONOXIDE	VOLATILE ORGANIC COMPOUNDS	PM-10
3 5	1 3 . 2	1 1 . 3
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
5 7 . 8	N A	N/A
135-139	140-144	145-149

CARBON MONOXIDE	VOLATILE ORGANIC COMPOUNDS	PM-10
N/A	N/A	1 9 . 4
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	2	2	2	2	2
165	166	167	168	169	170

AIR MANAGEMENT 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 (186-192) _____ MAXIMUM DESIGN HOURLY RATE (193-199) _____ PERMIT TO OPERATE MONTH (200-201) _____ TRANSACTION DATE (MM /DD /YR) (202-207) _____

STAFF CODE (208-210) _____ VOC CODE (211-212) _____ SIP CODE (213-214) _____ REGULATION CODE (215-218) _____ CONFIDENTIALITY (219) _____

POINT DESCRIPTION (220-238) _____

ACTION (239) _____ A: ADD B. CHANGE

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 4/30/2021

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

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

PRODUCER HMS Insurance Associates, Inc. 20 Wight Ave Suite 300 Hunt Valley MD 21030	**CONTACT NAME:** Heidi Stancill **PHONE (A/C, No, Ext):** 410-337-9755 **FAX (A/C, No):** **E-MAIL ADDRESS:** hstancill@hmsia.com
INSURED CHAMCON-01 Global Resource Recyclers, Inc. 2600 Marble Ct Forestville MD 20747	**INSURER(S) AFFORDING COVERAGE** / **NAIC #** **INSURER A :** Selective Insurance Company of South Carolina / 19259 **INSURER B :** Builders Mutual Insurance Co / 10844 **INSURER C :** **INSURER D :** **INSURER E :** **INSURER F :**

COVERAGES **CERTIFICATE NUMBER:** 1809606192 **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE [ ] OCCUR [X] GEN'L AGGREGATE LIMIT APPLIES PER: POLICY [ ] PRO-JECT [X] LOC [X] OTHER:			S 2099351	12/23/2020	12/23/2021	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG $	$ 1,000,000 $ 500,000 $ 15,000 $ 1,000,000 $ 2,000,000 $ 2,000,000 $
A	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY [ ] SCHEDULED AUTOS HIRED AUTOS ONLY [X] NON-OWNED AUTOS ONLY [X]			S 2099351	12/23/2020	12/23/2021	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) $	$ 1,000,000 $ $ $ $
A	X UMBRELLA LIAB [X] OCCUR EXCESS LIAB [ ] CLAIMS-MADE DED [X] RETENTION $ 0			S 2099351	12/23/2020	12/23/2021	EACH OCCURRENCE AGGREGATE $	$ 10,000,000 $ 10,000,000 $
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N [N] ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N/A (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			WCP 1074765 00	12/23/2020	12/23/2021	X PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 500,000 $ 500,000 $ 500,000

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

Evidence of Insurance

CERTIFICATE HOLDER

Evidence of Insurance

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

FORM 5EP

ALLAN MYERS

MARYLAND DEPARTMENT OF THE ENVIRONMENT

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

FORM 5EP: Emission Point Data

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

Applicant Name: Global Resource Recyclers

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:

RAP Crusher Exhaust (STACK)

2. Emission Point Description

Describe the emission point including all associated equipment and control devices:

Diesel Engine Exhaust STACK

3. Emissions Schedule for the Emission Point

Continuous or Intermittent (C/I)?		**Seasonal Variation** Check box if none: ☒ Otherwise estimate seasonal variation:	
Minutes per hour:	60	Winter Percent	
Hours per day:	10	Spring Percent	
Days per week:	5	Summer Percent	
Weeks per year:	~~30~~ 16	Fall Percent	

4. Emission Point Information

Height above ground (ft):	10	Length and width dimensions at top of rectangular stack (ft):	Length:	Width:	
Height above structures (ft):	2				
Exit temperature (°F):	800	Inside diameter at top of round stack (ft):		0.333	
Exit velocity (ft/min):	225	Distance from emission point to nearest property line (ft):		VARIES	
Exhaust gas volumetric flow rate (acfm):	1178	Building dimensions if emission point is located on building (ft)	Height N/A	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:

FORM 5EP: Emission Point Data

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)	0.73	0.73	7.3	0.292
Particulate Matter (filterable as PM2.5)				
Particulate Matter (condensables)				
Volatile Organic Compounds (VOC)	0.85	0.85	8.5	0.34
Oxides of Sulfur (SOx)	0.68	0.68	6.8	0.27
Oxides of Nitrogen (NOx)	10.4	10.4	104	4.16
Carbon Monoxide (CO)	2.23	2.23	22.3	0.892
Lead (Pb)				

Greenhouse Gases (GHG)	At Design Capacity (lb/hr)	At Projected Operations (lb/hr)	(lb/day)	(ton/yr)
Carbon Dioxide (CO_2)	385	385	3850	154
Methane (CH_4)				
Nitrous Oxide (N_2O)				
Hydrofluorocarbons (HFCs)				
Perfluorocarbons (PFCs)				
Sulfur Hexafluoride (SF6)				
Total GHG (as CO_2e)	385	385	3850	154

List individual federal Hazardous Air Pollutants (HAP) below:	At Design Capacity (lb/hr)	At Projected Operations (lb/hr)	(lb/day)	(ton/yr)
Aldehydes	0.164	0.164	1.64	0.066

(Attach additional sheets as necessary.)

MARYLAND DEPARTMENT OF THE ENVIRONMENT

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1800 Washington Boulevard ● Baltimore, Maryland 21230
(410)537-3225 ● 1-800-633-6101● www.mde.maryland.gov

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: GLOSAL Resource Recyclers

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:

RAP Crusher Exhaust (STACK)

2. Emission Point Description

Describe the emission point including all associated equipment and control devices:

Diesel Engine Exhaust Stack

3. Emissions Schedule for the Emission Point

Continuous or Intermittent (C/I)?		**Seasonal Variation** Check box if none: ☐ Otherwise estimate seasonal variation:	
Minutes per hour:	60	Winter Percent	
Hours per day:	10	Spring Percent	
Days per week:	5	Summer Percent	
Weeks per year:	16	Fall Percent	

4. Emission Point Information

Height above ground (ft):	10	Length and width dimensions at top of rectangular stack (ft):	Length:	Width:	
Height above structures (ft):	2				
Exit temperature (°F):	800	Inside diameter at top of round stack (ft):		0.333	
Exit velocity (ft/min):	225	Distance from emission point to nearest property line (ft):		VARIES	
Exhaust gas volumetric flow rate (acfm):	1178	Building dimensions if emission point is located on building (ft)	Height NA	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:

FORM 5EP: Emission Point Data

6. Estimated Emissions from the Emission Point

Criteria Pollutants	At Design Capacity (lb/hr)	At Projected Operations (lb/hr)	At Projected Operations (lb/day)	At Projected Operations (ton/yr)
Particulate Matter (filterable as PM10)	0.24	0.24	2.4	0.096
Particulate Matter (filterable as PM2.5)				
Particulate Matter (condensables)				
Volatile Organic Compounds (VOC)	0.28	0.28	2.8	0.112
Oxides of Sulfur (SOx)	0.23	0.23	2.3	0.092
Oxides of Nitrogen (NOx)	3.45	3.45	34.5	1.38
Carbon Monoxide (CO)	0.74	0.74	7.4	0.296
Lead (Pb)				

Greenhouse Gases (GHG)	At Design Capacity (lb/hr)	At Projected Operations (lb/hr)	At Projected Operations (lb/day)	At Projected Operations (ton/yr)
Carbon Dioxide (CO_2)	128	128	1280	51.2
Methane (CH_4)				
Nitrous Oxide (N_2O)				
Hydrofluorocarbons (HFCs)				
Perfluorocarbons (PFCs)				
Sulfur Hexafluoride (SF6)				
Total GHG (as CO_2e)	128	128	1280	51.2

List individual federal Hazardous Air Pollutants (HAP) below:	At Design Capacity (lb/hr)	At Projected Operations (lb/hr)	At Projected Operations (lb/day)	At Projected Operations (ton/yr)
Aldehydes	0.055	0.055	0.55	0.022

(Attach additional sheets as necessary.)

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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: GloSaL Resource Recyclers

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:

RAP Conveyor 1 Exhaust Stack

2. Emission Point Description

Describe the emission point including all associated equipment and control devices:

Diesel Engine Exhaust Stack

3. Emissions Schedule for the Emission Point

Continuous or Intermittent (C/I)?		**Seasonal Variation** Check box if none: ☐ Otherwise estimate seasonal variation:	
Minutes per hour:	60	Winter Percent	
Hours per day:	10	Spring Percent	
Days per week:	5	Summer Percent	
Weeks per year:	16	Fall Percent	

4. Emission Point Information

Height above ground (ft):	4	Length and width dimensions at top of rectangular stack (ft):	Length:	Width:	
Height above structures (ft):	2				
Exit temperature (°F):	800	Inside diameter at top of round stack (ft):		0.333	
Exit velocity (ft/min):	225	Distance from emission point to nearest property line (ft):		VARIES	
Exhaust gas volumetric flow rate (acfm):	1178	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:

FORM 5EP: Emission Point Data

6. Estimated Emissions from the Emission Point

Criteria Pollutants	At Design Capacity (lb/hr)	At Projected Operations (lb/hr)	At Projected Operations (lb/day)	At Projected Operations (ton/yr)
Particulate Matter (filterable as PM10)	0.08	0.08	0.8	0.032
Particulate Matter (filterable as PM2.5)				
Particulate Matter (condensables)				
Volatile Organic Compounds (VOC)	0.09	0.09	0.94	0.038
Oxides of Sulfur (SOx)	0.08	0.08	0.76	0.030
Oxides of Nitrogen (NOx)	1.15	1.15	11.5	0.46
Carbon Monoxide (CO)	0.25	0.25	2.5	0.100
Lead (Pb)				

Greenhouse Gases (GHG)	At Design Capacity (lb/hr)	At Projected Operations (lb/hr)	At Projected Operations (lb/day)	At Projected Operations (ton/yr)
Carbon Dioxide (CO_2)	42.8	42.8	428	17.1
Methane (CH_4)				
Nitrous Oxide (N_2O)				
Hydrofluorocarbons (HFCs)				
Perfluorocarbons (PFCs)				
Sulfur Hexafluoride (SF6)				
Total GHG (as CO_2e)	42.8	42.8	428	17.1

List individual federal Hazardous Air Pollutants (HAP) below:	At Design Capacity (lb/hr)	At Projected Operations (lb/hr)	At Projected Operations (lb/day)	At Projected Operations (ton/yr)
Aldehydes -	0.018	0.018	0.18	0.007

(Attach additional sheets as necessary.)

MARYLAND DEPARTMENT OF THE ENVIRONMENT

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

FORM 5EP: Emission Point Data

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

Applicant Name: GloSal Resource Recyclers

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:

RAP Conveyor 2 Exhaust Stack

2. Emission Point Description

Describe the emission point including all associated equipment and control devices:

Diesel Engine Exhaust Stack

3. Emissions Schedule for the Emission Point

Continuous or Intermittent (C/I)?		**Seasonal Variation** Check box if none: ☐ Otherwise estimate seasonal variation:	
Minutes per hour:	60	Winter Percent	
Hours per day:	10	Spring Percent	
Days per week:	5	Summer Percent	
Weeks per year:	16	Fall Percent	

4. Emission Point Information

Height above ground (ft):	4	Length and width dimensions at top of rectangular stack (ft):	Length:	Width:	
Height above structures (ft):	2				
Exit temperature (°F):	800	Inside diameter at top of round stack (ft):		0.333	
Exit velocity (ft/min):	225	Distance from emission point to nearest property line (ft):		VARIES	
Exhaust gas volumetric flow rate (acfm):	1178	Building dimensions if emission point is located on building (ft)	Height: NA	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:

FORM 5EP: Emission Point Data

6. Estimated Emissions from the Emission Point

Criteria Pollutants	At Design Capacity (lb/hr)	At Projected Operations (lb/hr)	At Projected Operations (lb/day)	At Projected Operations (ton/yr)
Particulate Matter (filterable as PM10)	0.08	0.08	0.8	0.032
Particulate Matter (filterable as PM2.5)				
Particulate Matter (condensables)				
Volatile Organic Compounds (VOC)	0.09	0.09	0.94	0.038
Oxides of Sulfur (SOx)	0.08	0.08	0.76	0.030
Oxides of Nitrogen (NOx)	1.15	1.15	11.5	0.46
Carbon Monoxide (CO)	0.25	0.25	2.5	0.100
Lead (Pb)				

Greenhouse Gases (GHG)	At Design Capacity (lb/hr)	At Projected Operations (lb/hr)	At Projected Operations (lb/day)	At Projected Operations (ton/yr)
Carbon Dioxide (CO_2)	42.8	42.8	428	17.1
Methane (CH_4)				
Nitrous Oxide (N_2O)				
Hydrofluorocarbons (HFCs)				
Perfluorocarbons (PFCs)				
Sulfur Hexafluoride (SF6)				
Total GHG (as CO_2e)	42.8	42.8	428	17.1

List individual federal Hazardous Air Pollutants (HAP) below:	At Design Capacity (lb/hr)	At Projected Operations (lb/hr)	At Projected Operations (lb/day)	At Projected Operations (ton/yr)
Aldehydes.	0.018	0.018	0.18	0.007

(Attach additional sheets as necessary.)

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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: _____

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: RAP Crusher, Screening, & Conveying Particulate Matter (Fugitive)

2. Emission Point Description

Describe the emission point including all associated equipment and control devices: Fugitive particulate matter from RAP crushing, screening, & conveyor

3. Emissions Schedule for the Emission Point

Continuous or Intermittent (C/I)?		**Seasonal Variation** Check box if none: ☒ Otherwise estimate seasonal variation:	
Minutes per hour:	60	Winter Percent	
Hours per day:	10	Spring Percent	
Days per week:	5	Summer Percent	
Weeks per year:	16	Fall Percent	

4. Emission Point Information

Height above ground (ft):	10	Length and width dimensions at top of rectangular stack (ft):	Length: 100	Width: 80
Height above structures (ft):	0			
Exit temperature (°F):	AMBIENT	Inside diameter at top of round stack (ft):		
Exit velocity (ft/min):	NA	Distance from emission point to nearest property line (ft):		195
Exhaust gas volumetric flow rate (acfm):	NA	Building dimensions if emission point is located on building (ft)	Height: NA / 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 Specify: No. _____

FORM 5EP: Emission Point Data

6. Estimated Emissions from the Emission Point

Criteria Pollutants	At Design Capacity (lb/hr)	At Projected Operations (lb/hr)	At Projected Operations (lb/day)	At Projected Operations (ton/yr)
Particulate Matter (filterable as PM10)	1.94	1.94	19.4	0.776
Particulate Matter (filterable as PM2.5)				
Particulate Matter (condensables)				
Volatile Organic Compounds (VOC)				
Oxides of Sulfur (SOx)				
Oxides of Nitrogen (NOx)				
Carbon Monoxide (CO)				
Lead (Pb)				

Greenhouse Gases (GHG)	At Design Capacity (lb/hr)	At Projected Operations (lb/hr)	At Projected Operations (lb/day)	At Projected Operations (ton/yr)
Carbon Dioxide (CO_2)				
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)	At Projected Operations (lb/day)	At Projected Operations (ton/yr)

(Attach additional sheets as necessary.)

Portable Trakpactor Emissions Calculations - AP42 Emission Factors

Assumptions:
10 Hours/day
18 gallons/hour diesel
130,500 Btu/gallon diesel
3530 tons/day
Throughput 353 tph - RAP

Stack - Engine Exhaust		23490000	Btu/day		23.49	MMBtu/day
PM-10	.31 lb/MMBtu	7.2819	lb/day		0.72819	lb/hr
SOx	.29 lb/MMBtu	6.8121	lb/day		0.68121	lb/hr
NOx	4.41 lb/MMBtu	103.5909	lb/day		10.35909	lb/hr
CO	.95 lb/MMBtu	22.3155	lb/day		2.23155	lb/hr
TOC	.36 lb/MMBtu	8.4564	lb/day		0.84564	lb/hr
CO2	164 lb/MMBtu	3852.36	lb/day		385.236	lb/hr
Aldehydes	0.07 lb/MMBtu	1.6443	lb/day		0.16443	lb/hr

Plant Aggregate - Fugitive Emissions RAP

	lb/day		ton/yr	
	Total PM	PM-10		
Conveyor 1	10.59	3.883	0.4236	0.15532
Crusher	4.236	1.9062	0.16944	0.076248
Total	14.826	5.7892	0.59304	0.231568

PM calculated at 3530 * 0.003 (conveyor transfer point, uncontrolled, for crushed stone, AP-42)
PM-10 calculated at 3530 * 0.0011 (conveyor transfer point, uncontrolled, for crushed stone, AP-42)
Crusher total PM calculated at 3530 * 0.0012 (tertiary crushing, controlled)
Crusher PM10 calculated at 3530 * 0.00054 (tertiary crushing, controlled)
Ton/year = lb/day *80/2000

180 gallons per day for 80 days equals 14,400 gallons

Portable RAP Screen Emissions Calculations - AP42 Emission Factors

Assumptions: 10 Hours/day
6 gallons/hour diesel
130,500 Btu/gallon diesel
5000 tons/day
Estimates high due to using aggregate screening and conveying info

Stack - Engine Exhaust		7830000	Btu/day	7.83	MMBtu/day
PM-10	.31 lb/MMBtu	2.4273	lb/day	0.24273	lb/hr
SOx	.29 lb/MMBtu	2.2707	lb/day	0.22707	lb/hr
NOx	4.41 lb/MMBtu	34.5303	lb/day	3.45303	lb/hr
CO	.95 lb/MMBtu	7.4385	lb/day	0.74385	lb/hr
TOC	.36 lb/MMBtu	2.8188	lb/day	0.28188	lb/hr
CO2	164 lb/MMBtu	1284.12	lb/day	128.412	lb/hr
Aldehydes	0.07 lb/MMBtu	0.5481	lb/day	0.05481	lb/hr

Plant Aggregate - Fugitive Emissions (all values in lb/day)

	Total PM	PM-10	
C1 to C4	15	5.5	(Conveyor transfer point, uncontrolled)
Screen	11	1.48	(Screening, controlled)
Total	26	6.98	

Note: Conveyors C1 to C4 have 5,000 tons total (combined) per day

11 X 80 = 880 = 0.44 tons
1.48 X 80 = 118.4 = 0.0592 tons
15 X 80 = 1200 = 0.6 tons
5.5 X 80 = 440 = 0.22 tons

Portable RAP Conveyor Emissions Calculations - AP42 Emission Factors

Assumptions: 10 Hours/day
2 gallons/hour diesel
130,500 Btu/gallon diesel
3000 tons/day
Estimates high due to using aggregate screening and conveying info

Stack - Engine Exhaust		2610000	Btu/day		2.61	MMBtu/day
PM-10	.31 lb/MMBtu	0.8091	lb/day		0.08091	lb/hr
SOx	.29 lb/MMBtu	0.7569	lb/day		0.07569	lb/hr
NOx	4.41 lb/MMBtu	11.5101	lb/day		1.15101	lb/hr
CO	.95 lb/MMBtu	2.4795	lb/day		0.24795	lb/hr
TOC	.36 lb/MMBtu	0.9396	lb/day		0.09396	lb/hr
CO2	164 lb/MMBtu	428.04	lb/day		42.804	lb/hr
Aldehydes	0.07 lb/MMBtu	0.1827	lb/day		0.01827	lb/hr

Plant Aggregate - Fugitive Emissions (all values in lb/day)

	Total PM	PM-10	
Conveyor	9	3.3	(Conveyor transfer point, uncontrolled)
Total	9	3.3	

9 X 80 = 720 = 0.36 tons
3.3 X 80 = 264 = 0.132 tons

PRINCE GEORGE'S COUNTY ZONING VERIFICATION

SITE DRAWING

PGAtlas

Created on 4/9/2021

Property

Tax Account: 0504092
Owner Name: GLOBAL RESOURCE RECYCLERS INC
Premise Address: 2600 Marble Ct, District Heights, MD 20747

Parcel Details

Tax Account #: 0504092
Assessment District: 06
Lot: 14 **Block:** B **Parcel:**
Description:
Plat: 06151024
Subdivision: FORESTVILLE CENTER-RESUB PT OF BLK A & B-PLAT 3>
Acreage: 3.3830

Ownership Information

Owner Name: GLOBAL RESOURCE RECYCLERS INC
Owner Address: 162 Lafayette Ave, Laurel, MD 20707
Liber: 08467 **Folio:** 837
Transfer Date: 9/30/1992
Current Assessment: $514,200.00
Land Valuation: $359,800.00
Improvement Valuation: $154,400.00
Sale Price: $0.00
Structure Area (Sq Ft): 1256

Administrative Details

Tax Map Grid: 082B3
WSSC Grid: 204SE07
Tree Conservation Plan 1:
Tree Conservation Plan 2: TCP2-097-97
Councilmanic District: Null

Military Installation Overlay - Noise

Noise Intensity Zone: Noise Intensity Zone
Decibel Range: 60 db - 74 db

Military Installation Overlay - Safety

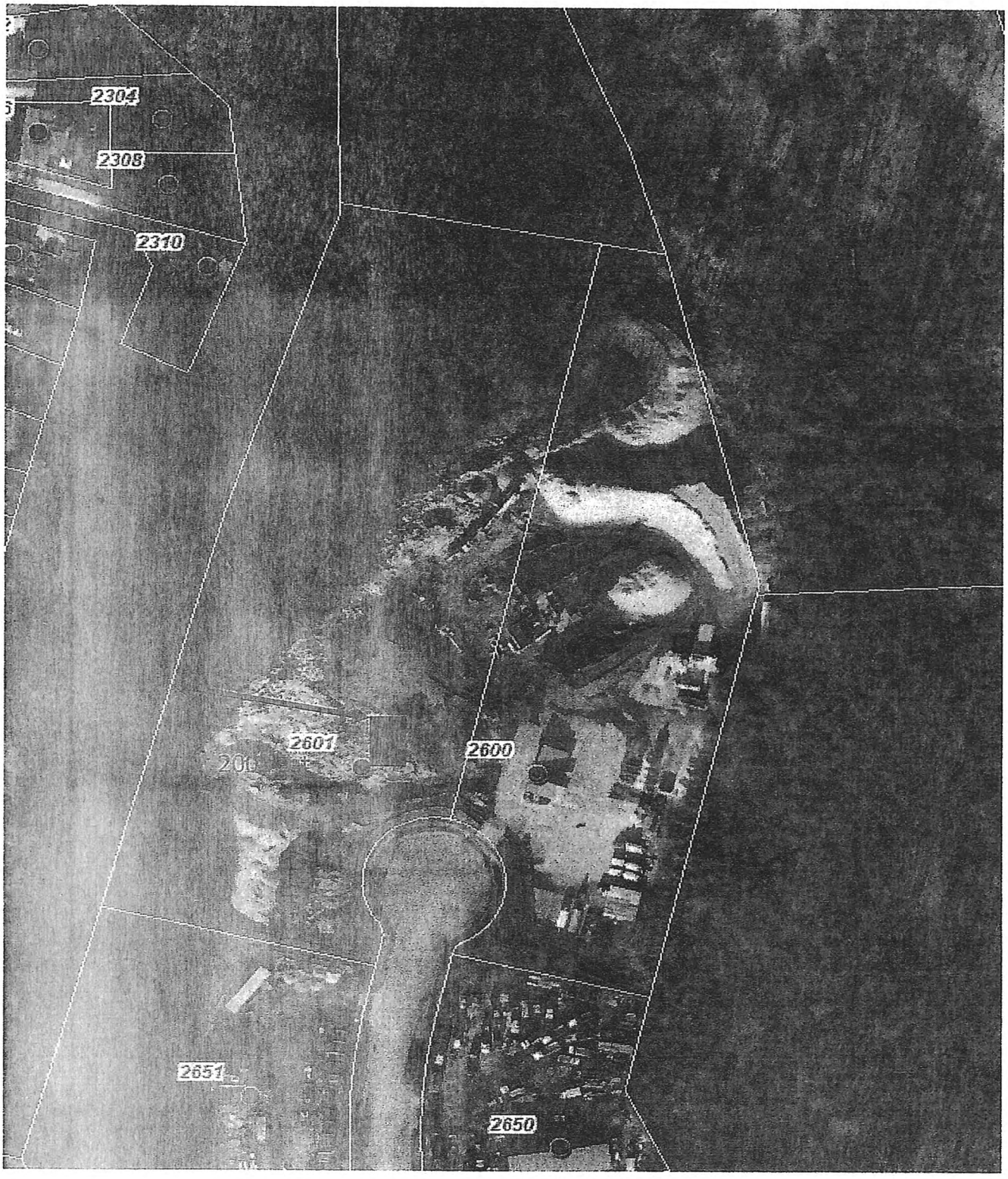
Type Code: 83
Zone Name: Accident Potential Zone 2

Military Installation Overlay - Height

Zone Use: App/Dep Clearance (50:1) - North End
Area Label: B

Zoning

Zone Type: Industrial
Class: I-4 (Limited Intensity Industrial)

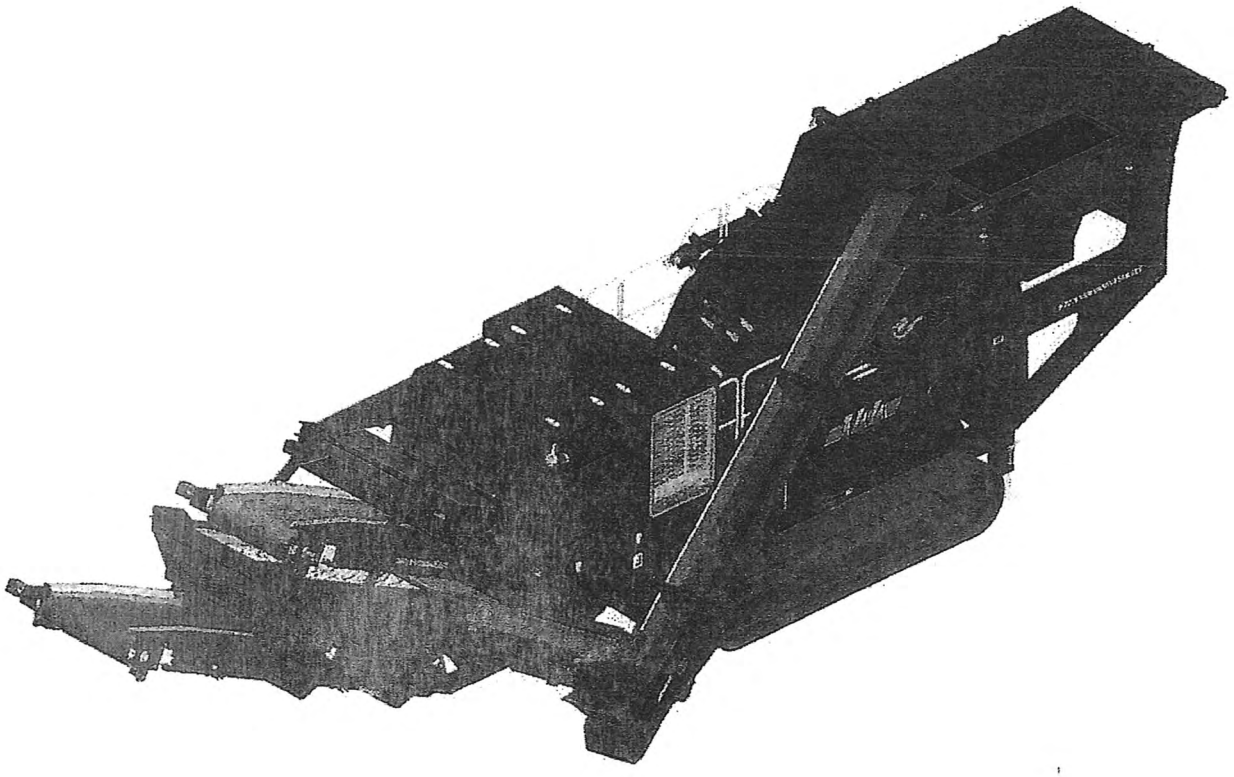


Allan Myers MD, Inc. - Global Resource Recyclers
2600 Marble Court
Forestville, MD 20747

RAP Equipment Location

VENDOR LITERATURE

SPECIFICATIONS



McCloskey i44R

McCloskey INTERNATIONAL **i44R**

May. 2011, issue 001

DESCRIPTION

Heavy duty track mounted Crusher with following features:

- 1050mm (42") diameter x 1100mm (43") wide Impactor.
- 350Hp Cat C9 engine.
- Track or Track c\w Wheel bogie.
- 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.

DIMENSIONS AND WEIGHTS

Length - transport model	15.348 (50' - 4")
Width - transport all models	3.08m (10' – 1")
Height - transport track	3.40m (11' – 2")
Weight – track	45,000 Kgs (99,207 lbs) inc magnet

CAPACITIES

Diesel tank capacity	635 L (168 US gal)
Hydraulic tank capacity	1210 L (320 US Gals)

IMPACTOR CHAMBER

Feed opening WxH	1150 x 800mm, (45.3 x 31.5")
Impactor rotor	1050mm (42") diameter x 1100mm (43.3") wide
Crusher speed	600-740 rpm (33-40 m/sec rotor tip speed)
Number of aprons	2 (3 with optional grinding path)
Number of blowbars	4 (3 bar optional)
Full blowbar weight	217 Kg (478 lbs)
Crusher Drive	Hydraulic – V-Belts
Feed size	450 x 450 x 450mm lump, (18" x 18" x 18")
Impactor weight	9,500kg (20,940 lbs) estimated
Closed side setting adjustment	Hydraulic rams, shim system
Motor	Kawasaki axial piston 280cc/rev
Flow rate	400 Lpm (105 US gpm)
Speed sensor	YES
Load sensor	Hydraulic

PAN FEEDER

Feeder width	1080mm (42.5")
Feeder length	4050mm (159.4")
Drive	Hydraulic
Motor	David Brown MCC 2208 58.7cc/rev
Flow rate	60.8 Lpm (16.1 US gpm)
Adjustable speed	Yes – via mechanical Flow Control
Variable speed	Yes – via electrical proportional
Maximum speed	1060rpm

McCloskey INTERNATIONAL **i44R**

May. 2011, issue 001

HOPPER

Length overall	4560mm (14' - 11")
Loading width	3491mm (11' - 5")
Width	2220mm (7' – 3")
Volume	5.4m^3 (7.4yd^3)
Material	8mm Hardox sides
Locking system	Wedge type and toggle

SIDE CONVEYOR

Stockpile height	2080mm (6' – 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	43.7 Lpm (11.5 US gpm)
Adjustable speed	YES
Maximum speed	109 rpm

MAIN CONVEYOR

Belt width	1050mm (42")
Belt spec	Plain 500/3 8+2
Drive drum dia.	285mm (11.2")
Tail drum dia.	270mm (10.6") - spoked
Motor	OMV630
Flow rate	87.4 Lpm (23.1 US gpm)
Maximum speed	138.7 rpm
Angle adjustable	NO
Quick release	YES

FINES CONVEYOR

Stockpile height	2965mm (9' – 9")
Belt width	1200mm (48")
Belt spec	Plain 500/3 8+2
Drive drum dia.	285mm (11.2")
Tail drum dia.	270mm (10.6") - spoked
Motor	OMV630
Flow rate	68.4 Lpm (18.1 US gpm)
Maximum speed	108.6 rpm
Angle adjustable	NO
Quick release	YES

McCloskey INTERNATIONAL **i44R**

May. 2011, issue 001

SCREENBOX

Dimensions - top deck	3050mm x 1525mm (10' x 5')
Bearing type 2 Deck	NSK/RHP 22219
Screens - top deck	5' x 4' side tension - 2 off & 5' x 2' side tension - 1 off
Tensioning - top deck	Quick release pin and wedge
Screen angle	25 deg
Screen motor	DBH MCC2208 (59cc/rev)
Drive system	Direct drive with HRC150 coupling
Hydraulic flowrate	68.4 Lpm (18.1 US gpm)
Speed adjustable	YES - Pressure compensated FCV
Screen stroke adjustable	8 - 10mm
Screen shaft speed	950 rpm
Screen 'g' force	5.05

TRANSFER CONVEYOR

Belt width	650mm (26")
Belt spec	Plain 400/3 4+2
Drive drum dia.	200mm (8")
Tail drum dia.	200mm (8")
Motor	OMT400
Flow rate	43.7 Lpm (11.5 US gpm)
Adjustable speed	YES
Maximum speed	109.5 rpm

RETURN CONVEYOR

Belt width	500mm (20")
Belt spec	Chevron - 400/3 6+1.5
Drive drum dia.	290mm (11.5")
Tail drum dia. (Spoked)	270mm (10.6")
Motor	OMT400
Flow rate	43.7 Lpm (11.5 US gpm)
Adjustable speed	YES
Maximum speed	109.5 rpm

PAN FEEDER UNDER IMPACTOR

Width	1160mm (45.7")
length	2030mm (80")
Base liners	10mm (3/8") stainless steel
Side liners	12mm (1/2" Hardox 400
Operating angle	13°
Vibrating motor	Twin out of balance mass
Hydraulic motor	2 off Eaton 32.9cc/rev
Fixed speed	YES
Flow rate	87.4 Lpm (23.1 US gpm)

POWERUNIT AND HYDRAULICS

Engine	CAT C9
Engine power	261 kW (350 HP)
Engine speed	1900 rpm
Flywheel Pump 1 (Crusher/Tracks)	Kawasaki K3V140DTP
LH PTO Pump 2 (Feeder/Side conveyor)	Turolla 33/23/10
Front PTO Pump 3 (Main conveyor/Pilots)	David Brown 5046
Front PTO Pump 4 (Screenbox/Return conveyor)	David Brown 5036 5023
Total system flow	724.9 Lpm (191.5 US Gpm)
Hydraulic tank capacity	1210 L (320 US Gals)
Hydraulic tank ratio	1.67 : 1
Twin 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	Plus 1 Danfoss colour screen
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
Engine room light	YES
Radio control tracks	OPTION - Hetronic system
Pendant track control	YES - plugged in control cabinet

McCloskey INTERNATIONAL **i44R**

May. 2011, issue 001

TRACKS

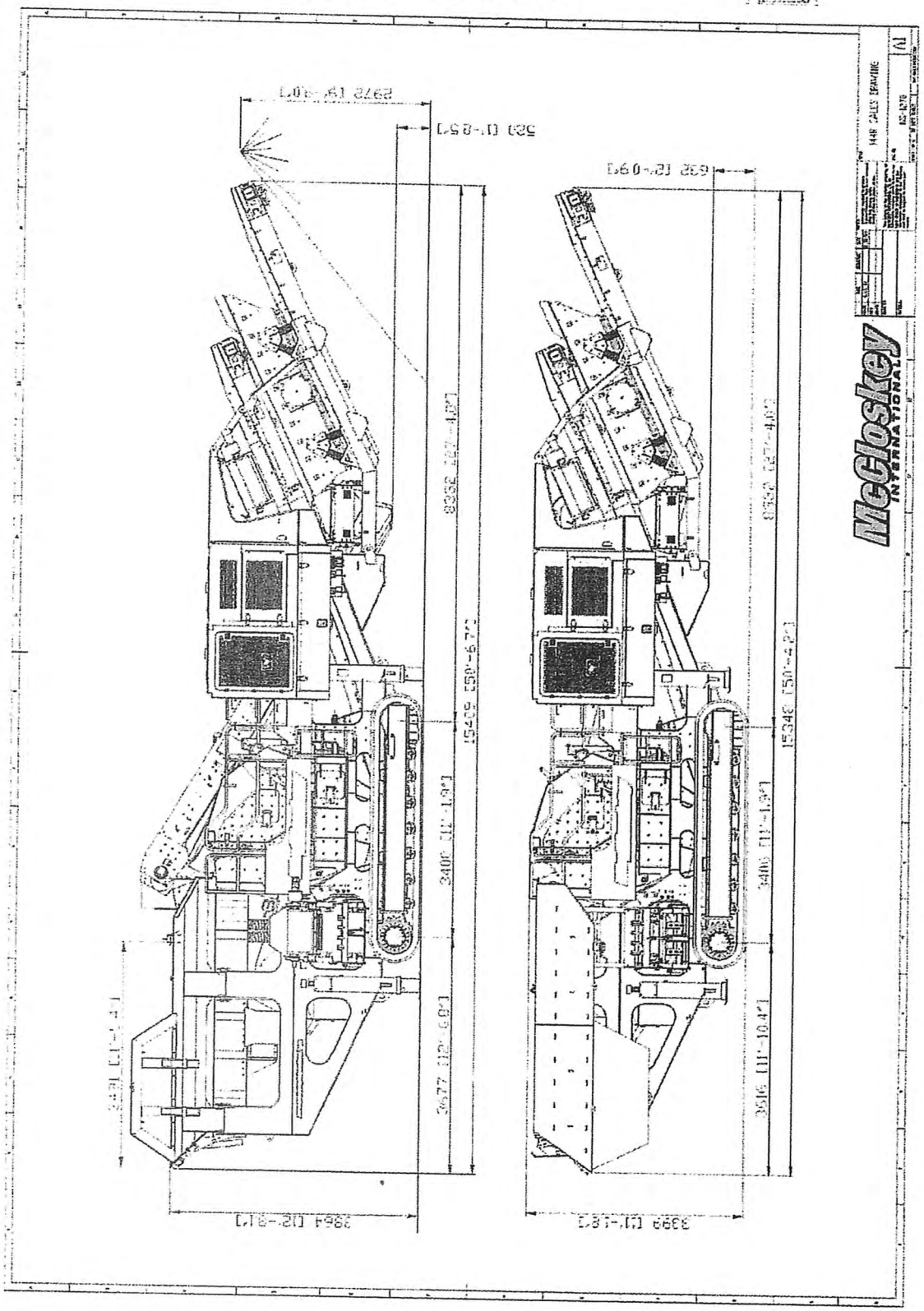
Width	400mm (15.7")
Length	3400mm (11' – 2") crs
Height	817mm (32")
Gearbox	Bonfiglioli 711 (or equivalent)
Ratio	153:1
Motor	Rexroth 90
Speed max	1.50 Kph (0.93 Mph)
Flow rate	138 Lpm (36.45 US gpm)
Multiple speeds	Three speed system selectable at control panel with smooth start / stop.
Attachment to chassis	Bolt On for quick change

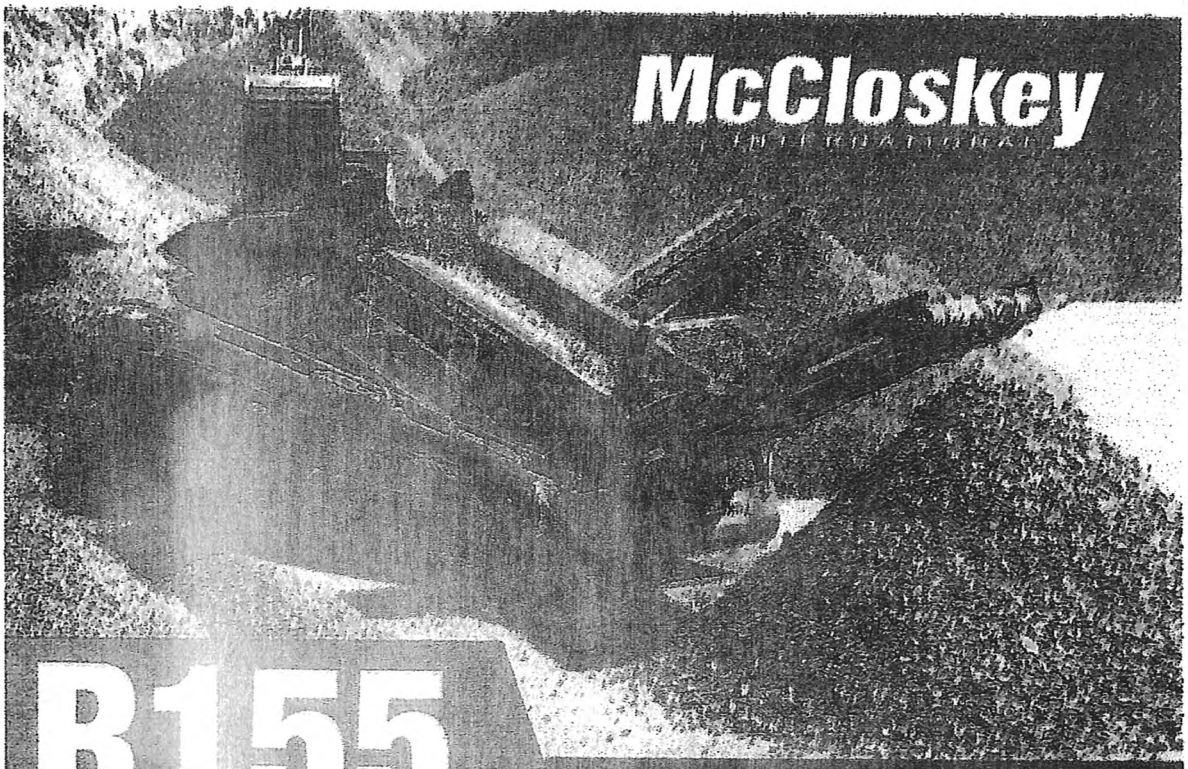
OPTIONS

Roll-in bogie system
Main conveyor variable speed control
Interlock system
Hopper Extensions
Overband magnet
Water Pump and dust suppression system
Various blow bar material options
Grinding path
3 or 4 bar rotor
Work lights
Belt Scale
Refueling pump
Recirculation Screen

SAFETY FEATURES

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





R155

McCloskey
INTERNATIONAL

ST80T

High Performance Tracked Stacker

The McCloskey™ ST Tracked Stackers are all about efficiency, from its speedy setup time to its high degree of mobility, downtime is minimized while throughput and stockpile capacity are maximized.

Hydraulic main lift and top fold are standard, as is the diesel power unit. Electric and dual power are also available to get the job done, no matter what application. The 22.5 degree maximum conveyor angle allows for the highest stockpiles per conveyor length in the industry.

With its durable truss frame, large feed hopper and base production capacity of 500 TPH with optional upgrades to 800 TPH, the McCloskey ST Tracked Stackers stand up well above the competition.

Available as a radio controlled track-mounted unit.

Features

- 900mm (36") wide heavy duty 80' long conveyor
- 36.5 kW (49 Hp) Tier 4 diesel engine
- On-site track mobility
- Large feed hopper
- Hydraulic folding frame for easy transport
- Fast on-site setup time (5 minutes)
- Abundant service room inside the power-pack
- Adjustable hopper height to optimize operational efficiency

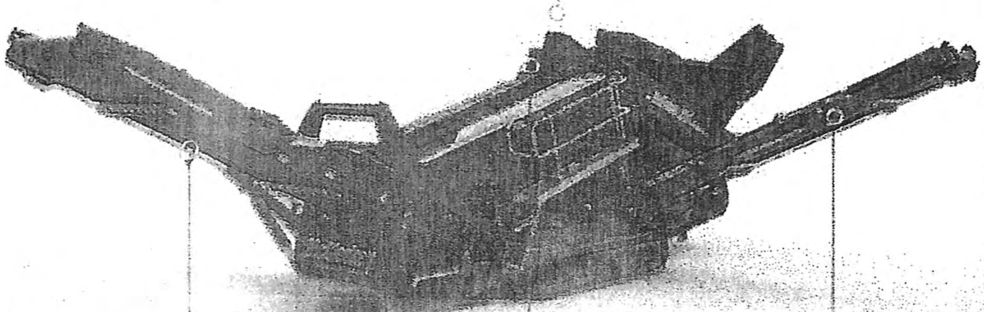
McCloskey
INTERNATIONAL

Wide Feed Opening

Allows for free flow of material and high volume capacity.

16' Hopper

A larger 16ft wide hopper designed to be used with larger loaders, allowing for more material and no spillage.



Heavy Duty Build

One of the most robust and durable machines on the market, the R155 is built to excel at the toughest of screening jobs.

Extended Tail Conveyor

The larger tail conveyor allows for an increase discharge height and feeds easily into various crushers

Screenbox

High Energy 5' x 16' screenbox delivers the highest product capacity.

mccloskeyinternational.com

SPECIFICATION DATA

Dimensions and Capacities

Engine	127 Hp (95 kW) Diesel
Transport Height	11' 2" (3.40m)
Transport Length	50' 2" (15.30m)
Transport Width	9' 6" (2.90m)
Weight	29,880 Kgs (65,830 lbs)
Stockpile Height Extended Tail Conveyor	12' 3" (3.75m)
Stockpile Height Side Fines Conveyor	13' (3.96m)
Stockpile Height Side Mid Conveyor	11' 10" (3.60m)
Screenbox Dimensions	5' x 16' (155 ft²)

McCloskey
INTERNATIONAL

Hydraulic Top Fold

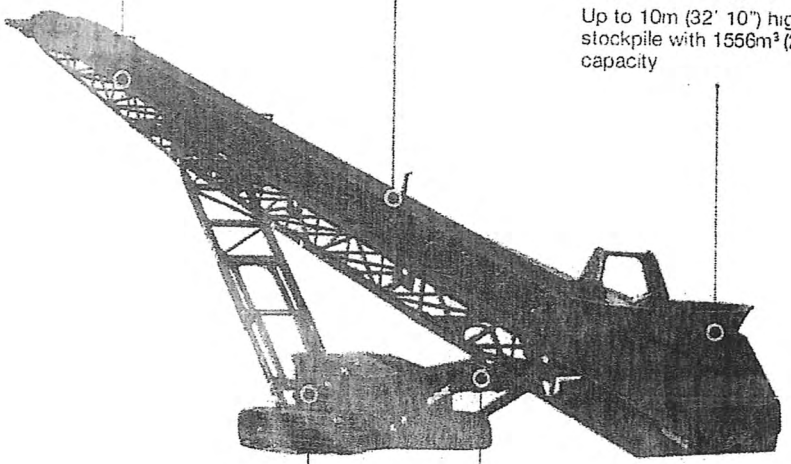
Straightforward hydraulic controls to fold and unfold, raise and lower the conveyor.

80' Conveyor

24.38m (80') long conveyor with 900mm (36") wide 3-ply belt.

Large Feed Hopper

Up to 10m (32' 10") high stockpile with 1556m³ (2035 yd³) capacity



Shutdown Systems

Engine safety shutdown systems.

Radio Remote Track Control

Provides remote maneuverability and enhances safety for moving freely to the best location.

mccloskeyinternational.com

SPECIFICATION DATA

Dimensions and Capacities

Engine	36.5 kW (49 Hp) Diesel
Belt Length	80' (24.38m)
Belt Width	900mm (36")
Stockpile Height	10.0m (32' 10")
Stockpile Capacity	1556m³ (2035 yd³)
Transport Length	15.75m (51' 8")
Transport Height	3.43m (11' 3")
Transport Width	2.49m (8' 2")

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
(301) 952-3208
(301)-952-3195
www.mncppc.org

September 20, 2021

Mr. Harold Green
Global Resource Recyclers, Inc
2600 Marble Court
District Heights, Maryland 20747

Re: 2600 and 2601 Marble Court, District Heights, Maryland 20747

Tax ID: 0504084 (Block B, Lot 13) and 0504092 (Block B, Lot 14)

In response to your request for information regarding the above-referenced property, we have researched our files/data base and present the following:

☑ Zoning Verification OR ☐ Buildable lots

1. The current zoning classification for the subject property is:

I-4 (Limited Intensity Industrial)/M-I-O-Z (Military Installation Overlay Zone)- Height, Noise, Safety (Accident Potential Zone 2)

Overlay District(s):

☑ Yes ☐ No

M-I-O-Z- Height, Noise, Safety (APZ 2) restrictions as regulated by the *Approved Military Installation Overlay Zoning Map Amendment, November 2016*

2. Record Lot(s): ☐ Yes Date: _____ ☐ No ☑ Not Applicable

An area of land designated as a separate parcel of land on a "Record Plat," or on a legally recorded deed (to land for which no "Subdivision" plat is required pursuant to the provisions of Subtitle 24) filed among the Land Records of Prince George's County, Maryland.

Comment:

3. Specific Use(s)/Regulation(s):

Specific uses allowed in the I-4 zone can be found in Part 7, Section 27-473(b) of the Prince George's County Zoning Ordinance (Ordinance). Specific regulations and prohibited uses for the M-I-O-Z can be found in Part10C of the Ordinance. **(See Page 3, Additional Comments)**

4. According to the current zoning ordinance and/or regulations applicable to the subject property, the **current use** of the property is classified as:

☐ Permitted by Right

☐ Permitted by Special Exception

☐ Legally Nonconforming

☐ Prohibited

Comment:

See Page 3, Additional Comments

5. Conformance: According to the current zoning ordinance and/or regulations applicable to the subject property, the current use and/or structure is:

☐ Legally Conforming (in conformance with applicable zoning and subdivision regulations, or grandfathered). May rebuild in accordance with current regulations.

☐ Legally Nonconforming (not in conformance with applicable zoning and subdivision regulations, but legal and subject to conditions and/or requirements). See Rebuild (below).

☐ Nonconforming (not in conformance with applicable zoning and subdivision regulations). See Rebuild (below).

Comment:

See Page 3, Additional Comments

6. Rebuild: In the event of casualty, in whole or in part, the structure located on the subject property may be rebuilt in its current form in accordance with Section 27-243 of the current zoning ordinance:

☐ Yes ☐ No

Comment:

See Page 3, Additional Comments

7. Variances, special exceptions, and/or zoning conditions approved for the subject property:

☐ Variance ☐ Special Exception ☐ Zoning Conditions ☑ None

Comment:

8. Site Plan Information:

☐ An approved site plan for the subject property is on file.
Available plans must be requested, additional fees apply. Request plans at http://www.pgplanning.org/DocumentCenter/View/6884/Online-Information-Request-Form

☐ No site plan

List of approved plans and permits for subject property:

N/A

Additional comments regarding the subject property:

Per Section 27-473(b) of the Ordinance, the manufacturing or cutting of structural products made of clay, concrete, glass, stone, or similar materials is permitted in the I-4 Zone. However, with the adoption of the MIOZ in 2016 (Council Resolution CR-97-2016) and pursuant to Section 27-548.53(e)(2)(A) of the Ordinance, existing uses in the Safety Zones (APZ1, APZ2 and Clear Zone) that are on the prohibited use list in Section 27-548.56(a) of the Ordinance are considered nonconforming. Per Section 27-548.56(a)(1)(H)(i) of the Ordinance, any type of use that may release into the air any substance, such as steam, dust, or smoke which would impair visibility or otherwise interfere with the operation of aircraft is strictly prohibited in the Safety Zones. If your operation produces any of the listed substances, per Part 10C, your use is prohibited and is now nonconforming. Certification of this nonconforming use would require referral to Joint Base Andrews for their comment per Section 27-548.57 of the Ordinance.

Note: The Maryland-National Capital Park and Planning Commission's (Commission) role is to review permit applications for compliance with zoning and subdivision regulations. The full text of the Ordinance (Subtitle 27) is at: https://www.municode.com/library/md/prince_george's_county/codes/code_of_ordinances

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.

This information was researched on 9/20/21 , by the undersigned, per request and as a public service. The undersigned certifies that the above information contained herein is accurate to the best of our knowledge, information, and belief, and is based upon or relates to the information supplied by the requestor. The Department assumes no liability for errors and omissions. All information was obtained from public records, which may be inspected during regular business hours.

Sincerely,
Hilary Covington
Planning Information Services

MARYLAND DEPARTMENT OF THE ENVIRONMENT

AIR AND RADIATION ADMINISTRATION
APPLICATION FOR A PERMIT TO CONSTRUCT

SUPPLEMENT TO DOCKET #20-21

COMPANY: Global Resource Recyclers

LOCATION: 2600 Marble Court, Forestville, MD 20747

APPLICATION: Installation of one (1) portable recycled asphalt pavement crushing and screening plant.

ITEM	DESCRIPTION
1	Notice of Application and Informational Meeting

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 Global Resource Recyclers on September 20, 2021 for the installation of one (1) portable recycled asphalt pavement crushing and screening plant. The proposed installation will be located at 2600 Marble Court, Forestville, MD 20747.

An Informational Meeting will be held on April 20, 2022, at 6 p.m. at the Comfort Inn at Joint Base Andrews, 7979 Malcolm RD, Clinton, MD 20735.

Pursuant to the Environment Article, Section 1-603, Annotated Code of Maryland, the Informational Meeting has been scheduled so that citizens can discuss the application and the permit review process with the applicant and the Department.

The application and other supporting documents are available for public inspection on the Department's website. Look for Docket #20-21 at the following link.

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

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.

George S. Aburn, Jr., Director
Air and Radiation Administration