MARYLAND DEPARTMENT OF THE ENVIRONMENT

AIR AND RADIATION ADMINISTRATION APPLICATION FOR A PERMIT TO CONSTRUCT

DOCKET #05-22

- COMPANY: Allan Myers MD, Inc. Capital Asphalt Plant
- LOCATION: 2600 Marble Court, Forestville, MD 20747
- APPLICATION: Installation of one (1) recycled asphalt pavement 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, site map, vendor specifications, emissions worksheet.
3	Zoning Approval from Prince George's County

MARYLAND 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 Allan Myers MD, Inc. on February 10, 2022 for the installation of one (1) recycled asphalt pavement 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 #05-22 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



April 13, 2021

Sarah Wells MD Dept. of the Environment Air and Radiation Management Administration 1800 Washington Blvd. Baltimore, MD 21230

RE: Permit To Construct Application Allan Myers MD, Inc. – Global Resource Recyclers

Dear Ms. Wells:

Please find enclosed in triplicate an Application For Processing/Manufacturing Equipment for Allan Myers MD, Inc. (Myers) to operate a McCloskey impactor and one (1) conveyor for crushing Recycled Asphalt Pavement (RAP), a RAP screen with four (4) conveyors, and two stand-alone conveyors at the Global Resource Recyclers facility located in Forestville, Maryland.

Included with the application are:

- Application For Processing/Manufacturing Equipment form;
- Form 5EP for the RAP crusher exhaust stack;
- Form 5EP for the screen exhaust stack;
- Form 5EP for the fugitive emissions from the crusher and screen;
- Form 5T Toxic Air Pollutant (TAP) Emissions Summary and Compliance Demonstration;
- Prince George's County zoning verification;
- Site map showing distance to closest property line; and
- Vendor literature.

If you have any questions or need additional information, please do not hesitate to call me at (610) 222-3182.

Sincerely

David Schnackenberg

638 LANCASTER AVENUE, MALVERN, PA 19355 | 610.560.7900 | ALLANMYERS.COM



AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

OWNER OF EQUIPMENT/PROCESS			
COMPANY NAME:	Allan Myers MD, Inc Capital Asphalt Plant		
COMPANY ADDRESS:	638 Lancaster Avenue, Malvern, PA 19355		
	LOCATION OF EQUIPMENT/PROCESS		
PREMISES NAME:	Global Resource Recyclers		
PREMISES ADDRESS:	2600 Marble Court, Forestville, MD 20747		
CONTACT INFORMATION FOR THIS PERMIT APPLICATION			
CONTACT NAME:	David Schnackenberg		
JOB TITLE:	Environmental Manager		
PHONE NUMBER:	(610) 222-3182		
EMAIL ADDRESS:	david.schnackenberg@allanmyers.com		
DESCRIPTION OF EQUIPMENT OR PROCESS			
RAP impactor, screen, and conveyors for sizing purposes			

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

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

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

No.	X	Form 5	No.	Form 11
No.	<u> </u>	Form 5T	No	Form 41
No.	<u> </u>	Form 5EP	No.	Form 42
No.		Form 6	No.	Form 44
No.		Form 10		-

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

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

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

APPLICATION FOR PROCESSING/MANUFACTURING EQUIPMENT





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

Air and Radiation Management Administration - Air Quality Permits Program

APPLICATION FOR PROCESSING/MANUFACTURING EQUIPMENT Permit to Construct

Registration Update Initial Registration

1A. Owner of Equipment/Company Name		ITE IN THIS BLOCK
Allon Myers MD, Inc.	2. REGIST	RATION NUMBER
Mailing Address 638 Lancaster DVEnue Street Address	County No.	Premises No.
Malvorn PA 19355 City State Zip	1-2 Registration Cla	3-6 ass Equipment No.
Telephone Number (610) 272-3182	7 Data Year	8-11
Signature Jind Between	12-13	Application Date
David Schnackenberg Environmental Manager Print Name and Title	n 4-13- Date	-2021
1B. Equipment Location and Telephone Number (if different from <u>2600 Marble</u> Court	om above)	
<u>Forestville</u> MD 20' City/Town State 2	7 <u>47 (301</u> Zip Te) <u>568-2050</u> lephone Number
<u>Clobal Resource Recyclers</u> Premises Name (if different from above)		
3. Status (A= New, B= Modification to Existing Equipment, C= E	Existing Equipmer	nt)
StatusNew Construction Begun (MM/YY)New Construction Completed (MM/YY) A $0 5 2 1$ $0 5 2 1$ 15 $16-19$ $20-23$	Exis	ting Initial ion (MM/YY) 20-23
4. Describe this Equipment: Make, Model, Features, Manufacturer One (() RAP crusher, one (1) RAP screen, and t	(include Maximum I <i>MO (2) CONVEQ</i>	-
5. Workmen's Compensation Coverage WA763D51006 Company Liberty Insurance Binder/Policy Number	57010	12/3//2021 Expiration Date
NOTE: Before a Permitto Construct may be issued by the Department, the app worker's compensation coverage as required under Section 1-202	blicant must provide the 2 of the Worker's Compe	Department with proof of ensation Act.
6A. Number of Pieces of Identical Equipment Units to be Regist	tered/Permitted at	this TimeO
6B. Number of Stack/Emission Points Associated with this Equ	ipment <u>3-C#45</u>	her, 6-screen conveyor
orm Number: 5 Rev. 9/27/2002		Page 1 of 4

TTY Users 1-800-735-2258



7. Person Installing this Equipment (if different from Number 1 on Page 1) NameTitle
Company
Mailing Address/Street
City/TownStateTelephone () 8. Major Activity, Product or Service of Company at this Location
Recycled asphalt povement crushing and screening,
9. Control Devices Associated with this Equipment
None
Simple/Multiple Spray/Adsorb Venturi Carbon Electrostatic Baghouse Thermal/Catalytic Dry Cyclone Tower Scrubber Adsorber Precipitator Afterburner Scrubber
24-1 24-2 24-3 24-4 24-5 24-6 24-7 24-8
Other
X Describe Wet suppression sprays as required
10. Annual Fuel Consumption for this Equipment
OIL-1000 GALLONS SULFUR % GRADE NATURAL GAS-1000 FT ³ LP GAS-100 GALLONS GRADE
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
COAL- TONS SULFUR % ASH% WOOD-TONS MOISTURE %
46-52 53-55 56-58 59-63 64-65
OTHER FUELS ANNUAL AMOUNT CONSUMED OTHER FUEL ANNUAL AMOUNT CONSUMED
(Specify Type) 66-1 (Specify Units of Measure) (Specify Type) 66-2 (Specify Units of Measure) 1= Coke 2= COG 3=BFG 4=Other
11. Operating Schedule (for this Equipment)
Continuous Operation Batch Process Hours per Batch Batch per Week Hours per Day Days Per Week Days per Year
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

Form Number: 5 Rev. 9/27/2002 TTY Users 1-800-735-2258

Page 2 of 4 Recycled Paper



12. Equivalent Stack Innformation- is Exhaust through Doors, Windows, etc. Only? (Y/N)					
If not, then Height Avove Groun	nd (FT) Inside Diameter at To 89-91	p Exit Tempe 92-	00	85 Exit Velocity (22 96-98	5
Attach a block diagram of pr and all existing of	NOTE: ocess/process line, indica equipment, including cont				s form
13. Input Materials (for this equilibrium) Is any of this data to be con	uipment only)	/ (Y or N)			
	1			T RATE	
NAME	CAS NO. (IF APPLICABLE)	PER HOUR	UNITS	PER YEAR	UNITS
1. RAP Impactor		353	TPH		
2. 3. RAP Screen 4.		sa	TPH		
5. RAP Conveyor		300	ТРН		
7. RAP Conveyor 8.		300	TPH		
9.			1 1		
TOTAL	1				
14. Output Materials (for this e Process/Product Stream	quipment)		OUTF	PUT RATE	
NAME	CAS NO. (IF APPLICABLE)	PER HOUR	UNITS	PER YEAR	UNITS
1. RAP Impactor		353	TPH		
2. /					
3. RAP Screen		500	TPH		
			-		
6.		300	TPH		
5. RAP Conveyor 6. 7. RAP Conveyor 8.		300	ТРН		
9.					
TOTAL	I				
15. Waste Streams- Solid and Liquid					
NAME	CAS NO. (IF APPLICABLE)	PER HOUR		PUT RATE PER YEAR	UNITS
1. 2.					
3.					
4.					
5.	10				+
6.					+
7.					+
8.			1		
9.					
TOTAL		L		· · · ·	
Form Number: 5					

Rev. 9/27/2002 TTY Users 1-800-735-2258

Page 3 of 4 Recycled Paper



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

16. Total Stack Emissions (for this equipment only) in Pounds Per O	perating Day	
Particulate Matter	Oxides of S	Sulfur	Oxides of Nitrogen	
		7,6	16	/
99-104	105-110	0	111-116	
Carbon Monoxide	Volatile Organic C	ompounds	PM-10	
35		I, Z	.	3
177-122	123-128		129-134	
17. Total Fugitive Emission	s (for this equipment or	nly) in Pounds Per	Operating Day	
Particulate Matter	Oxides of S	Sulfur	Oxides of Nitrogen	
<u>57,8</u> 135-139	140-144	NA	145-149	
Carbon Monoxide	Volatile Organic C	ompounds	PM-10	
		NA	19.	4
150-154	155-159		160-164	
Method Used to Determine	Emissions (1= Est	timate 2= Emissio	on Factor 3= Stack	Test 4= Other)
TSP SOX	NOX		С РМ10	
2 2	2	2 2	. 2	
165 166	167	168 169	470	
		ENT ADMINISTRA	TION USE ONLY	
AIR AND I 18. Date Rec'd. Local 	RADIATION MANAGEM	ENT ADMINISTRA Return to Date Reviewed by S	TION USE ONLY	
AIR AND I 18. Date Rec'd. Local Reviewed by Local J Date By_	RADIATION MANAGEM	ENT ADMINISTRA Return to Date Reviewed by S	TION USE ONLY	
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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 12/22/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUT REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.	EA CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED
W AUDDOCATION IS WAIVED BUDGET TO THE TERMS 200 CONDINOUS VI IN	e Dollog, certain ponoico may require an energia
this certificate does not confer rights to the certificate holder in neu or si	CONTACT
PRODUCER The Graham Company	Contact Jim Bonner/Edna Reitz PHONE 215-701-5372 FAX (AC, No): 215-525-0234
The Graham Building One Penn Square West 25th Floor	(A/C, No, Ext): 215-701-5572 (NO, NO): 210-000-000-000-000-000-000-000-000-000-
Philadelphia, PA 19102	ADDRESS: Bonner_Unit@grananico.com INSURER(S) AFFORDING COVERAGE NAIC #
•	INSURER A : Liberty Mutual Fire Insurance Company 23035
www.grahamco.com	INSURER A : LIDERLY WILLIAM INSURANCE COmpany 37885
Allan Myers Materials MD, Inc.	INSURER B : AL Specially insurance Company 42404
P.O. Box 98	INSURER D :
Worcester PA 19490	
COVERAGES CERTIFICATE NUMBER: 59227076	REVISION NUMBER:
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HA INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORD EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE	VE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS DED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS. BEEN REDUCED BY PAID CLAIMS.
INSR TYPE OF INSURANCE ADDL SUBR INSD WVD POLICY NUMBER	
A J COMMERCIAL GENERAL LIABILITY TB2631510067020	12/31/2020 12/31/2021 EACH OCCURRENCE \$2,000,000
CLAIMS MADE 🗸 OCCUR	PREMISES (Ea occurrence) \$300,000
	MED EXP (Any one person) \$10,000
	PERSONAL & ADV INJURY \$2,000,000
GEN'L AGGREGATE LIMIT APPLIES PER:	Ophichie / Contraction
POLICY V PRO- JECT LOC	PRODUCTS - COMP/OP AGG \$4,000,000
OTHER:	12/31/2020 12/31/2021 COMBINED SINGLE LIMIT \$2,000,000
A AUTOMOBILE LIABILITY AS2631510067030	12/31/2020 12/31/2021 (Ea accident) *2,000,000 BODILY INJURY (Per person) \$
✓ ANY AUTO	BODILY INJURY (Per accident) \$
OWNED SCHEDULED AUTOS ONLY AUTOS HIBED NON-OWNED	PROPERTY DAMAGE
HIRED NON-OWNED AUTOS ONLY AUTOS ONLY	(Per accident) \$
	12/31/2020 12/31/2021 EACH OCCURRENCE \$10,000,000
	AGGREGATE \$10,000,000
EXCESS LIAB CLAIMS-MADE	\$
C WORKERS COMPENSATION WA763D510067010	12/31/2020 12/31/2021 ✓ PER OTH- STATUTE ER
AND EMPLOYERS' LIABILITY Y/N	ELL EACH ACCIDENT \$1,000,000
ANYPROPRIETOR/PARTNER/EXECUTIVE N A OFFICER/MEMBEREXCLUDED?	E.L. DISEASE - EA EMPLOYEE \$1,000,000
(Mandatory in NH) If yes, describe under	E.L. DISEASE - POLICY LIMIT \$ 1,000,000
DESCRIPTION OF OPERATIONS below	
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Sche	dule, may be attached if more space is required)
DESCRIPTION OF OPERATIONS LOCATIONS VEHICLES (ACOND 101) RELIABILITY	
Evidence of Coverage	
	CANCELLATION
Evidence of Coverage	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFOR THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED I ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE Jenneth & Ewell
	Ken Ewell
	© 1988-2015 ACORD CORPORATION. All rights reserv

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ACORD 25 (2016/03)

Sampl





FORM 5EP

MARYLAND DEPARTMENT	OF THE ENVIRONMENT
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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: Allan Myers MD, Inc.

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 Emissio	n Point		Ell/EVIL		
Continuous or Intermittent (C/I)?	Continuous	Seasonal Variation Check box if none: Otherwise estimate seasonal va		ariation:		
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 Informat	ion					
Height above ground (ft):	10	Length and width dimensions	Length	I:	Width:	
Height above structures (ft):	2	at top of rectangular stack (ft):				
Exit temperature (°F):	800	Inside diameter at top of round stack (ft): 0.33			0.333	
Exit velocity (ft/min):	225	Distance from emission point to nearest Varies			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 Associ	ated with the	e Emission Point		1,211	8 - 124 1	
Identify each control device associa also required for each control de	ted with the er vice. If none c	mission point and indicate the numb heck none:	er of devic	es. <u>A For</u>	<u>rm 6 is</u>	

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

6. Estimated Emissions from the	Emission Point			
	At Design Capacity	At I	Projected Operati	ons
Criteria Pollutants	(lb/hr)	(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)				
	At Design Capacity	At	Projected Operat	ions
Greenhouse Gases (GHG)	(lb/hr)	(lb/hr)	(lb/day)	(ton/yr)
Carbon Dioxide (CO ₂)	385	385	3850	154
Methane (CH ₄)				
Nitrous Oxide (N ₂ O)				
Hydrofluorocarbons (HFCs)				
Perfluorocarbons (PFCs)				
Sulfur Hexafluoride (SF6)				
Total GHG (as CO ₂ e)	385	385	3850	154
List individual federal Hazardous Air	At Design Capacity	At	Projected Operat	lions
Pollutants (HAP) below:	(lb/hr)	(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

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

			Emission Point Data				
Complete one (1) Form 5EP for	EACH	emission poi	nt (stack or fugitive emission	s) relate	ed to the pr	oposed in	stallation.
Applicant Name: Allan Myers MD,	Inc.						
1. Emission Point Iden	tificati	on Name/Nu	umber				t alan:
List the applicant assigned name RAP Screen exhaust (stack)	/numbe	r for this emiss	sion point and use this value	on the a			
2. Emission Point Desc						-	
Describe the emission point inclu	iding all	associated ec	uipment and control devices:	•			
Diesel engine exhaust stack							
3. Emissions Schedule	for th	e Emission	Point				
Continuous or Intermittent (C/I)	?	Continuous	Seasonal Variation Check box if none: 🛛 Oth	nerwise	estimate s	easonal v	ariation:
Minutes per hour:		60	Winter Percent				
Hours per day:		10	Spring Percent				
Days per week:		5	Summer Percent				
Weeks per year:	41.4	16	Fail Percent			- 10 - 10 - 1	C
4. Emission Point Info	rmatio		· · · · · · · · · · · · · · · · · · ·		Length:		Width:
Height above ground (ft):		10	Length and width dimensio at top of rectangular stack	ons (ft):	-	}	
Height above structures (ft):		2			hook (ft): 0.35		0.000
Exit temperature (°F): 800 Inside diameter at top of round states (v)							0.333
Exit velocity (ft/min): 225 Distance from emission point to nea property line (ft):							Varies Width
Exhaust gas volumetric flow ration (acfm):		1178	Building dimensions if emis	ssion ng (ft)	Height NA	Length	vvidti
5. Control Devices As	sociat	ed with the	Emission Point				1.00
Identify each control device as also required for each control	sociate ol devic	d with the emi e. If none cho	ission point and indicate the eck none:	numbe	er of device	es. <u>A Foi</u>	r <u>m 6 is</u>
None			Thermal Oxidizer		No	<u> </u>	
Baghouse	No		Regenerative				
	No		Catalytic Oxidizer		No		
Elec. Precipitator (ESP)	No		Nitrogen Oxides Reduc	tion	No		
Dust Suppression System	No		Selective	[☐ Non-Sel ☐ Non-Cat		
Venturi Scrubber No			☐ Other		No.		
Spray Tower/Packed Bed	No		Specify:				
Carbon Adsorber	No						
Cartridge/Canister							
Regenerative							

6. Estimated Emissions from the	Emission Point				
6. Estimated Emissions from the	At Design Capacity	At Projected Operations			
Criteria Pollutants	(lb/hr)	(lb/hr)	(lb/day)	(ton/yr)	
Particulate Matter (filterable as PM10)	0.24	0.24	2.4	0.096	
Particulate Matter (filterable as PM2.5)			L		
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)					
	At Design Capacity	At	Projected Operat	ions	
Greenhouse Gases (GHG)	(ib/hr)	(lb/hr)	(lb/day)	(ton/yr)	
Carbon Dioxide (CO ₂)	128	128	1280	51.2	
Methane (CH ₄)			<u> </u>		
Nitrous Oxide (N ₂ O)					
Hydrofluorocarbons (HFCs)					
Perfluorocarbons (PFCs)					
Sulfur Hexafluoride (SF6)					
Total GHG (as CO ₂ e)	128	128	1280	51.2	
List individual federal Hazardous Air	At Design Capacity	At	Projected Opera	tions	
Pollutants (HAP) below:	(lb/hr)	(lb/hr)	(lb/day)	(ton/yr)	
Aldehydes	0.055	0.055	0.55	0.022	
	++				

(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 • <u>www.mde.maryland.gov</u>

		FORM 5	EP:	Emission Point Data				_		
Complete one (1) Form 5EP for EACH emission point (stack or fugitive emissions) related to the proposed installation.										
Applicant Name: Allan Myers MD, Inc.										
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 Schedu	le for t	he Emiss	ion	Point						
Continuous or Intermittent (C/	1)?	Continuo	JS	Seasonal Variation Check box if none: X Othe	erwise	estimate s	seaso	nal v	ariation	
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 Info	ormatic	on								
Height above ground (ft): Height above structures (ft):		4		Length and width dimension at top of rectangular stack (f		Length	:		Width:	
Exit temperature (°F):		800		Inside diameter at top of rou					0.333	
Exit velocity (ft/min):		225		Distance from emission poin property line (ft):	nt to n				Varies	
Exhaust gas volumetric flow ra (acfm):	ate	1178		Building dimensions if emiss point is located on building		Height NA	Len	gth	Width	
5. Control Devices As	sociat	ed with t	he E	mission Point				-		
Identify each control device as also required for each control	sociate <u>ol devic</u>	d with the <u>e</u> . If none	emis cheo	sion point and indicate the n ck none:	umbe	er of device	es. <u>A</u>	For	<u>n 6 is</u>	
None			[] Thermal Oxidizer		No				
Baghouse	No			Regenerative						
Cyclone	No		(Catalytic Oxidizer		No				
Elec. Precipitator (ESP)	No	<u> </u>	, (Nitrogen Oxides Reductio	n	No				
Dust Suppression System	No			Selective Catalytic] Non-Sele				
Venturi Scrubber	No		Г] Other	L_] Non-Cata	·			
Spray Tower/Packed Bed	No			Specify:		No	<u>_</u>			
Carbon Adsorber	No									
Cartridge/Canister										
Regenerative										

Form Number MDE/ARMA/PER.05EP Revised:03/01/2016 TTY Users 1-800-735-2258

At Design Capacity (lb/hr)	At (lb/hr) 0.08 0.09 0.08 1.15	Projected Operat (Ib/day) 0.8 0.94 0.76	lons (ton/yr) 0.032 0.038
0.08 0.09 0.08 1.15	0.08	0.8	0.032
0.09 0.08 1.15	0.09 0.08	0.94	
0.08	0.08		0.038
0.08	0.08		0.038
0.08	0.08		0.038
1.15		0.76	
	1.15		0.030
0.25		11.5	0.46
	0.25	2.5	0.100
At Design Capacity	At	Projected Operat	ions
(lb/hr)	(lb/hr)	(lb/day)	(ton/yr)
42.8	42.8	428	17.1
		† · · · · · · · · · · · · · · · · · · ·	
	·		
	·		·
42.8	42.8	428	17.1
At Design Capacity	At		
(lb/hr)	(lb/hr)	(lb/day)	(ton/yr)
0.018	0.018	0.18	0.007
	·		·
		· · · · · · · · · · · · · · · · · · ·	
		<u>├</u>	······
54			
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		<u> </u>	
	42.8 42.8 42.8 At Design Capacity (lb/hr)	(ib/hr) (ib/hr) 42.8 42.8 42.8 42.8 42.8 42.8 42.8 42.8 At Design Capacity (lb/hr) At I 0.018 0.018 0.018 0.018 0.018 0.018	At Design Capacity (lb/hr) At Projected Operat 42.8 42.8 428 42.8 42.8 428 42.8 42.8 428 42.8 42.8 428 42.8 42.8 428 42.8 42.8 428 42.8 42.8 428 At Design Capacity (lb/hr) At Projected Operation 0.018 0.018 0.18 0.018 0.018 0.18 0.018 0.18 0.18 0.018 0.18 0.18 0.018 0.18 0.18

(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

Cartridge/Canister	FORM 5EP: Emission Point Data									
Applicant Name: Allan Myers MD, Inc. 1. Entission Point Identification Name/Number List the applicant assigned name/number for this emission point and use this value on the attached required plot plan: BAP Conveyor 2 exhaust (stack) 2. Entission Point Description Describe the emission point including all associated equipment and control devices: Disest engine exhaust stack 3. Emission Schedule for the Emission Point Continuous or Intermittent (C/I)? Continuous Continuous or Intermittent (C/I)? Continuous Continuous or Intermittent (C/I)? Contex box if none: (X) Otherwise estimate seasonal variation: Minutes per hour: 60 Hours per day: 10 Days per week: 5 Summer Percent Hours per day: Height above ground (ft): 4 Length above ground (ft): 4 Length above structures (ft): 2 Exit temperature (°F): 800 Inside diameter at top of round stack (ft): 0.333 Exit valoit (ft/min): 225 Distance from emission point to nearest Varies property line (ft): NA	Complete one (1) Form 5EP for EACH emission point (stack or fugitive emissions) related to the proposed installation.									
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)? Continuous Beastonal Variation Hours per day: 60 Height above ground (ft): 4 Length and width dimensions Length: Width: 4 Height above ground (ft): 2 Exit temperature (°F): 800 Inside diameter at top of round stack (ft): 0.333 Exit velocity (ft/min): 225 property line (ft): Na Building dimensions if emission point to nearest varies Varies Exhaust gas volumetric flow rate 1178 Building dimensions if emission point devices. A Form 6 is also regulared for each control device. Sontrol Devices Associated with the emission point and indicate the number of devices.										
HAP Conveyor 2 shaust (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)? Continuous Minutes per hour: 60 Hours per day: 10 Days per week: 5 Summer Percent	1. Emission Point Identification Name/Number									
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)? Continuous Minutes per hour: 60 Minutes per hour: 60 Mours per day: 10 Days per week: 5 Summer Percent	List the applicant assigned nan RAP Conveyor 2 exhaust (stack)	ne/numb	er for this	emis	sion point and use this value	on the	e attached re	equire	d plo	ot plan:
Dised engine exhaust stack 3. Emissions Schedule for the Emission Point Continuous or Intermittent (C/I)? Continuous or Intermittent (C/I)? Continuous Minutes per hour: 60 Hours per day: 10 Days per week: 5 Summer Percent	2. Emission Point De	scriptio	on							
Continuous or Intermittent (C/I)? Continuous Seasonal Variation Check box if none: [2] Otherwise estimate seasonal variation: Minutes per hour: 60 Winter Percent										
Continuous Check box if none: X Otherwise estimate seasonal variation: Minutes per hour: 60 Winter Percent	3. Emissions Schedu	le for ti	he Emiss	sion	Point		X			
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. Empsion Point Information Height above ground (ft): 4 Length and width dimensions at top of rectangular stack (ft): 0.333 Exit temperature (°F): a00 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) NA Length Width Identify each control device associated with the Emission Point Identify each control device. A Form 6 is also required for each control device. A Form 6 is also required for each control device. Mone Thermal Oxidizer Regenerative Cyclone No. Baghouse No. Selective Catalytic Oxidiser No. Selective Catalytic Non-Selective Catalytic Non-Selective Catalytic Non-Catalytic Non-Catalytic Other Non-Catalytic Cartondge/Canis		I)?	Continuo	us		herwis	e estimate s	easor	nal va	ariation:
Days per week: 5 Summer Percent 4. Emission Point Information Height above ground (ft): 4 Length and width dimensions at top of rectangular stack (ft): Uength: Width: Height above structures (ft): 2 at top of rectangular stack (ft): 0.333 Exit memberature (°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): Naites Exhaust gas volumetric flow rate (acfm): 1178 Building dimensions if emission point to nearest property line (ft): Na Length Width S. Control Devices Associated with the Emission Point Na Length Width Na 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: A Form 6 is also required for each control device. If none check none: None Catalytic Oxidizer No					Winter Percent					
Weeks per year: 16 Fall Percent 4. Emission Point Information										
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 at top of rectangular stack (ft): 0.333 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 varies varies Exhaust gas volumetric flow rate (acfm): 1178 Building dimensions if emission point to nearest varies Varies 5. Control Devices Associated with the Emission Point NA Length Width Identify each control device associated with the emission point and indicate the number of devices. A Form 6 is also reguired for each control device. If none check none: Mone										
Height above ground (ft): 4 Length and width dimensions at top of rectangular stack (ft): Length: Width: Height above structures (ft): 2 at top of rectangular stack (ft): 0.333 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 to nearest Width S. Control Devices Associated with the Emission point is located on building (ft) NA Length Width 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: Mon		ormatic		_	raii Fercent					-
Height above structures (ft): 2 at top of rectangular stack (ft): 0 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 to nearest property line (ft): 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: Mone	······································				l ength and width dimensio	ne	Length:			Width:
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 to nearest property line (ft): Varies S. Control Devices Associated with the Emission Point NA Length Width 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: A Form 6 is Image: None Image:	Height above structures (ft):						:			
Exhaust gas volumetric flow rate (acfm): 225 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 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: In none check none: No. Baghouse No. Intermal Oxidizer No. Baghouse No. Intermal Oxidizer No. Cyclone No. Intermal Oxidizer No. Dust Suppression System No. Intermal Oxides Reduction No. Dust Suppression System No. Intermal Other No. Intermal Other Venturi Scrubber No. Other No. Intermal Other No. Spray Tower/Packed Bed No. Specify: Intermal Other No. Intermal Other Cartridge/Canister No. Intermal Other No. Intermal	Exit temperature (°F): 800 Inside diameter at top of round stack (ft): 0.333									
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 NA Length Width NA 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: Mone Thermal Oxidizer No. Baghouse No. Regenerative Cyclone No. Catalytic Oxidizer No. Elec. Precipitator (ESP) No. Selective Non-Selective Dust Suppression System No. Selective Non-Catalytic Other No. Other No. Catalytic Spray Tower/Packed Bed No. Specify: Cartridge/Canister	Exit velocity (ft/min):		225			int to r	iearest			Varies
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 Thermal Oxidizer No. Baghouse No. Regenerative Cyclone No. Catalytic Oxidizer No. Elec. Precipitator (ESP) No. Nitrogen Oxides Reduction No. Dust Suppression System No. Selective Non-Catalytic Venturi Scrubber No. Other No. Spray Tower/Packed Bed No. Specify: Other Carbon Adsorber No. Specify: Catridge/Canister	(acfm):				Building dimensions if emis point is located on buildin		-	Leng	th	Width
also required for each control device. If none check none: None Thermal Oxidizer No	5. Control Devices As	sociate	ed with t	he E	Emission Point					
Baghouse No Regenerative Cyclone No Catalytic Oxidizer No Elec. Precipitator (ESP) No Nitrogen Oxides Reduction No Dust Suppression System No Selective Non-Selective Venturi Scrubber No Other No Spray Tower/Packed Bed No Specify: No Carbon Adsorber No Specify: Specify:	Identify each control device as also required for each contr	sociate ol devic	d with the <u>e</u> . If none	emis cheo	ssion point and indicate the ck none:	numbe	er of device	s. <u>A</u>	Fori	<u>n 6 is</u>
Cyclone No Catalytic Oxidizer No Elec. Precipitator (ESP) No No Non-Selective Dust Suppression System No Selective Non-Selective Venturi Scrubber No Other No Spray Tower/Packed Bed No Specify: No Carbon Adsorber No Specify: No	X None			(Thermal Oxidizer		No			
Elec. Precipitator (ESP) No Initrogen Oxides Reduction No Dust Suppression System No Iselective Initrogen Oxides Reduction No Venturi Scrubber No Iselective Initrogen Oxides Reduction No Venturi Scrubber No Iselective Initrogen Oxides Reduction No Spray Tower/Packed Bed No Iselective Initrogen Oxides Reduction No Carbon Adsorber No Iselective Initrogen Oxides Reduction No Cartridge/Canister No Iselective Initrogen Oxides Reduction No	Baghouse	No	<u>-</u>		Regenerative					
Dust Suppression System No Selective Non-Selective Venturi Scrubber No Other No Spray Tower/Packed Bed No Specify: Carbon Adsorber No Cartridge/Canister No		No		[Catalytic Oxidizer		No			
Venturi Scrubber No Venturi Scrubber No Spray Tower/Packed Bed No Carbon Adsorber No Cartridge/Canister Cartridge/Canister	Elec. Precipitator (ESP)	No		[Nitrogen Oxides Reducti	on	No			
Venturi Scrubber No Spray Tower/Packed Bed No Carbon Adsorber No Cartridge/Canister	Dust Suppression System	No				Ē				
Spray Tower/Packed Bed No Specify: Carbon Adsorber No Cartridge/Canister	Venturi Scrubber	No		г		Ĺ		-		
Cartridge/Canister	Spray Tower/Packed Bed	No		S			No			
	Carbon Adsorber	No								
	Cartridge/Canister									
	Regenerative									

Form Number MDE/ARMA/PER.05EP Revised:03/01/2016 TTY Users 1-800-735-2258

6. Estimated Emissions from th				
Criteria Pollutants	At Design Capacity (lb/hr)		lions	
Particulate Matter (filterable as DM(40)	(ib/nr)	(lb/hr)	(lb/day)	(ton/yr)
Particulate Matter (filterable as PM10)	0.08	0.08	0.8	0.032
Particulate Matter (filterable as PM2.5)	<u> </u>			
Particulate Matter (condensables)		<u> </u>	ļ	
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	At	Projected Operat	ions
	(lb/hr)	(lb/hr)	(lb/day)	(ton/yr)
Carbon Dioxide (CO ₂)	42.8	42.8	428	17.1
Methane (CH ₄)				
Nitrous Oxide (N ₂ O)				
Hydrofluorocarbons (HFCs)				
Perfluorocarbons (PFCs)				
Sulfur Hexafluoride (SF6)				
Total GHG (as CO ₂ e)	42.8	42.8	428	17.1
List individual federal Hazardous Air	At Design Capacity	At	Projected Operat	
Pollutants (HAP) below:	(lb/hr)	(lb/hr)	(lb/day)	(ton/yr)
Aldehydes	0.018	0.018	0.18	0.007
			<u> </u>	
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(Attach additional sheets as necessary.)

MARYLAND DEPARTMENT OF THE ENVIRONMENT

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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: Allan Myers MD, Inc.									
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, and 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, and conveying									
3. Emissions Schedu	le for t	ne Emiss	sion	Point					
Continuous or Intermittent (C/	1)?	Continuo	us	Seasonal Variation Check box if none: X Ot	herwis	e estimate s	seaso	nal v	ariation:
Minutes per hour:		60		Winter Percent					
Hours per day:		10		Spring Percent					
Days per week: Weeks per year:		5		Summer Percent					
4. Emission Point Info	ormatic	<u>16</u>		Fall Percent					
Height above ground (ft):	ormatic	10		Length and width dimension		Length	:		Width:
Height above structures (ft):	Lengur and width dimensions						80		
Exit temperature (°F): Ambient Inside diameter at top of round stack (ft):									
Exit velocity (ft/min): Distance from emission point to nearest property line (ft): 195									
Exhaust gas volumetric flow ra (acfm):	ate	N/A		Building dimensions if emis point is located on buildin		Height NA	Len	gth	Width
5. Control Devices As	sociate	ed with t	he E	mission Point		<u> </u>			
Identify each control device as also required for each control	ssociated ol devic	d with the <u>e</u> . If none	emis chec	sion point and indicate the ck none:	numb	er of device	es. <u>A</u>	For	<u>m 6 is</u>
X None			[] Thermal Oxidizer		No			
Baghouse	No			Regenerative					
Cyclone	No		0	Catalytic Oxidizer		No			
Elec. Precipitator (ESP)	No			Nitrogen Oxides Reducti	ion	No			
Dust Suppression System	No				Ę] Non-Sele			
Venturi Scrubber	No		г		L	Non-Cata	-		
Spray Tower/Packed Bed	No		S	Other Specify:		No			
Carbon Adsorber	No								
Cartridge/Canister									
Regenerative									

Form Number MDE/ARMA/PER.05EP Revised:03/01/2016 TTY Users 1-800-735-2258

6. Estimated Emissions from th	Emission Point			
Criteria Pollutants	At Design Capacity		Projected Operat	ions
	(lb/hr)	(lb/hr)	(lb/day)	(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)		<u> </u>		
Lead (Pb)				<u>.</u>
Greenhaune Cases (CUC)	At Design Capacity	At	Projected Operat	ions
Greenhouse Gases (GHG)	(lb/hr)	(lb/hr)	(lb/day)	(ton/yr)
Carbon Dioxide (CO ₂)				(
Methane (CH ₄)			<u>├──</u>	
Nitrous Oxide (N ₂ O)				
Hydrofluorocarbons (HFCs)		· · · · · · · · · · · · · · · · · · ·		
Perfluorocarbons (PFCs)			<u> </u>	
Sulfur Hexafluoride (SF6)				
Total GHG (as CO ₂ e)			<u> </u>	
List individual federal Hazardous Air	At Design Capacity	At	Projected Operat	ions
Pollutants (HAP) below:	(lb/hr)	(lb/hr)	(lb/day)	(ton/yr)
			┢╸─────┤	
		·······	<u> </u>	
		·	╆╶────	
		· · · · · · · · · · · · · · · · · · ·		

(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	23490000 Btu/day 23.49 MMBtu/day				
PM-10	.31 lb/MMBtu	7.2819	lb/day	0.72819	1b/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		
СО	.95 lb/MMBtu	22.3155	lb/day	2.23155	lb/hr		
тос	.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 - Engi	ne 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
со	.95 lb/MMBtu	7.4385	lb/day	0.74385 lb	/hr
тос	.36 lb/MMBtu	2.8188	lb/day	0.28188 lt	/hr
CO2	164 lb/MMBtu	1284.12	lb/day	128.412 lk	/hr
Aldehydes	0.07 lb/MMBtu	0.5481	lb/day	0.05481 lk	/hr

Plant Aggregate - Fugitive Emissions (all values in Ib/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 - Engi	ne Exhaust	2610000	Btu/day	2.61 MMBtu/day	1
PM-10	.31 lb/MMBtu	0.8091	lb/day	0.08091	b/hr
SOx	.29 lb/MMBtu	0.7569	lb/day	0.07569	lb/hr
NOx	4.41 lb/MMBtu	11.5101	lb/day	1.15101	b/hr
СО	.95 lb/MMBtu	2.4795	lb/day	0.24795	lb/hr
тос	.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

Property

Tax Account: 0504092	
Owner Name: GLOBAL RE	SOURCE RECYCLERS INC
Premise Address: 2600	Marble Ct, District Heights, MD 20747
Parcel Details	Ownership Information
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	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

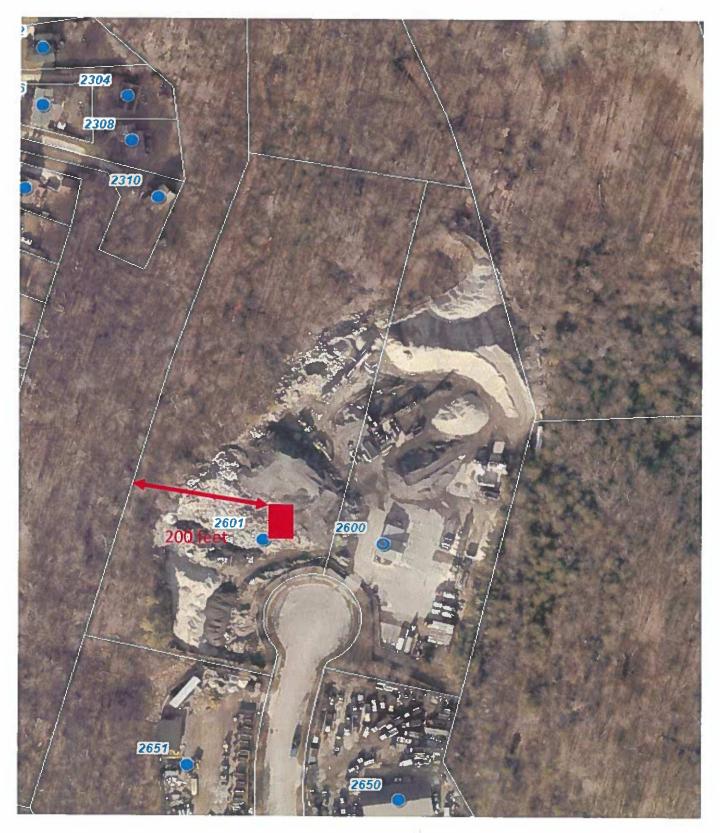
Type Code: 83 Zone Name: Accident Potential Zone 2

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)



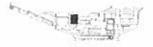
Allan Myers MD, Inc. - Global Resource Recyclers 2600 Marble Court Forestville, MD 20747

RAP Equipment Location

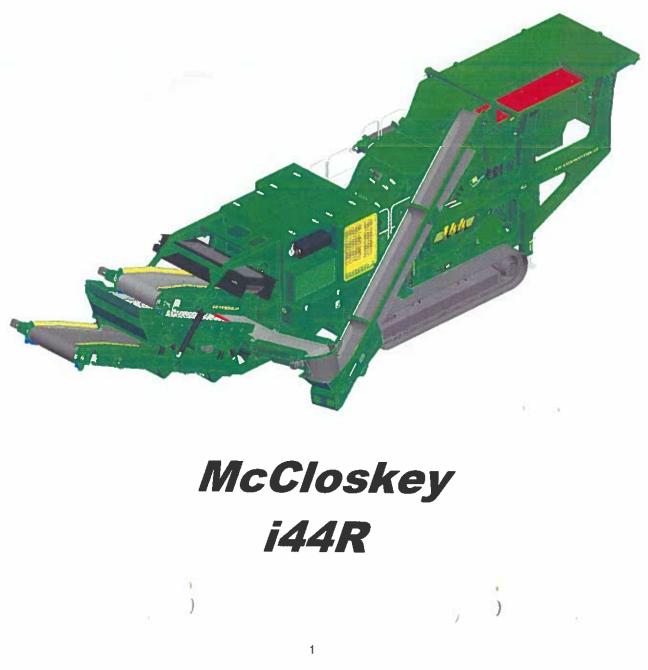
VENDOR LITERATURE



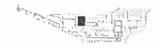




SPECIFICATIONS







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 tolding stockpiling conveyors.
- I-beam plate tabricated chassis construction.
- Open chassis design for ease of maintenance
- Fast setup time
- Vibrating teeder under crusher discharge.

DIMENSIONS AND WEIGHTS

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

CAPACITIES

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

IMPACTOR CHAMBER

Feed opening WxH Impactor rotor Crusher speed Number of aprons Number of blowbars Full blowbar weight Crusher Drive Feed size Impactor weight Closed side setting adjustment Motor Flow rate Speed sensor Load sensor

1150 x 800mm, (45.3 x 31.5") 1050mm (42") diameter x 1100mm (43.3") wide 600-740 rpm (33-40 m/sec rotor tip speed) 2 (3 with optional grinding path) 4 (3 bar optional) 217 Kg (478 lbs) Hydraulic – V-Belts 450 x 450 x 450mm lump, (18" x 18" x 18") 9,500kg (20,940 lbs) estimated Hydraulic rams, shim system Kawasaki axial piston 280cc/rev 400 Lpm (105 US gpm) YES Hydraulic

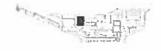
PAN FEEDER

Feeder width Feeder length Drive Motor Flow rate Adjustable speed Variable speed Maximum speed

1080mm (42.5") 4050mm (159.4") Hydraulic David Brown MCC 2208 58.7cc/rev 60.8 Lpm (16.1 US gpm) Yes – via mechanical How Control Yes – via electrical proportional 1060rpm

2





HOPPER

Length overall Loading width Width Volume Material Locking system 4560mm (14' - 11") 3491mm (11' - 5") 2220mm (7' - 3") 5.4m³ (7.4yd³) 8mm Hardox sides Wedge type and toggle

SIDE CONVEYOR

Stockpile height Belt width Belt spec Drive drum dia. Tail drum dia. Motor Flow rate Adjustable speed Maximum speed 2080mm (6' - 10") 650mm (26") EP 400/3 3+1.5 220mm (8.6") 220mm (8.6") - spoked OMT400 43.7 Lpm (11.5 US gpm) YES 109 rpm

MAIN CONVEYOR

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

FINES CONVEYOR

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

3





SCREENBOX

Dimensions - top deck Bearing type 2 Deck Screens - top deck

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

TRANSFER CONVEYOR

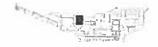
Belt width Belt spec Drive drum dia. Tail drum dia. Motor Flow rate Adjustable speed Maximum speed 650mm (26") Plain 400/3 4+2 200mm (8") 200mm (8") OMT400 43.7 Lpm (11.5 US gpm) YES 109.5 rpm

RETURN CONVEYOR

Belt width Belt spec Drive drum dia. Tail drum dia. (Spoked) Motor Flow rate Adjustable speed Maximum speed 500mm (20") Chevron - 400/3 6+1.5 290mm (11.5") 270mm (10.6") OMI400 43.7 Lpm (11.5 US gpm) YES 109.5 rpm

4





PAN FEEDER UNDER IMPACTOR

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

POWERUNIT AND HYDRAULICS

Engine
Engine power
Engine speed
Flywheel Pump 1 (Crusher/Tracks)
LH PTO Pump 2 (Feeder/Side conveyor)
Front PTO Pump 3 (Main conveyor/Pilots)
Front PTO Pump 4 (Screenbox/Return conveyor)
Total system flow
Hydraulic tank capacity
Hydraulic tank ratio
Twin Hydraulic Oil cooler

CAT C9 261 kW (350 HP) 1900 rpm Kawasaki K3V140D1P Turolla 33/23/10 David Brown 5046 David Brown 5036 5023 724.9 Lpm (191.5 US Gpm) 1210 L (320 US Gats) 1.67 : 1 YES

ELECTRICS

Emergency stops Chassis cabling Start Siren Control panel Engine shutdowns:

Engine room light Radio control tracks Pendant track control 4 off, 2 feeder, 2 powerunit Armored cable YES - 10 sec delay Plus 1 Dantoss colour screen 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 YES OPTION - Hetronic system YES - plugged in control cabinet





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

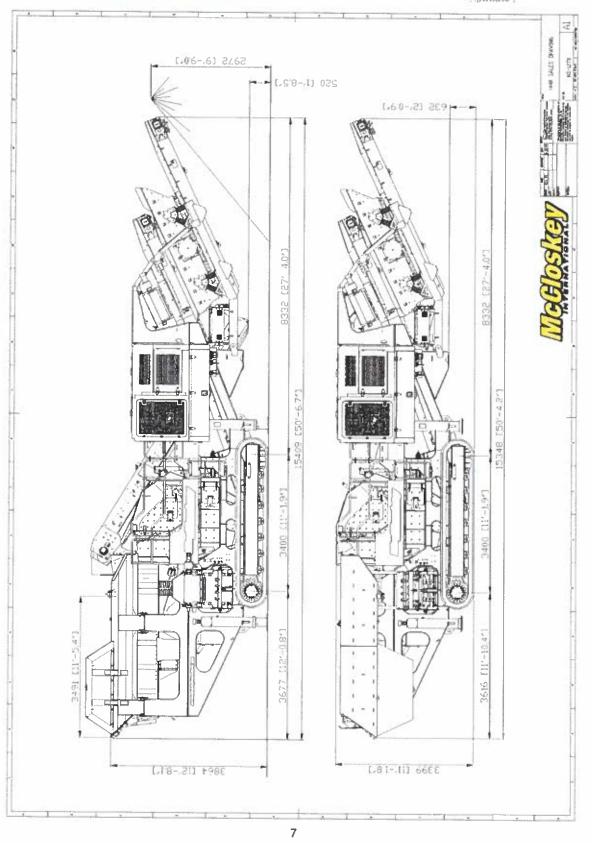
OPTIONS

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





All specifications are current as of this printing, but are subject to change

пвы

High Energy Durable Screener

The McCloskey^M (1955) high Energy Screener is a bough, extract eccenting bod designed to cope with the nearlest of applications. New for this N155 scelaring screener are longer topper and an extended talk converse. This provides maximum load flowinility to obstomers and scommidates a larger vertery of longers and scommidates a larger vertery of longers and oscil work in a vertery of sites around the world.

the Mora Service and the B195 is designed for use

with larger Raders. The 16th raiger is 28% larger, allowing for more material and do spillage, making this 41156 an excellent mobile solution for enterials Familing operations.

McCloskey

A perfect mitch for crushing sprands, in the two product position the extended fall conveyor will increase the discharge height 1213° and feed decarly info in C2 or C9 Conc Crusher.

Features

- 16x5 heavy duty high energy 2 beering screenbry
- 1271 ip dieset engine
- Direct teed Reddox lloed hopper
- Travel our fixed walkways
- atoolipiting conveyors
- Last on site setup time 10 minutes
- Golden calças ar fowar end toi casy bottom deck access
- Gavice standing com inside Powerpieck
- track mobile



Wide Feed Opening

Allows for free flow of material and high volume capacity.

16' Hopper

A linger 16tt wide hopper designed to be used with larger loaders, alloying for more material and no spillage.

SPECIFICATION DATA

Dimensions and Capacities

ALC: NO	Engina	127 Rip (GC & W) Diagast
1	tränsport Efnight	11' 2" (\$ Athing
	fearsport Langth	66° 2° (16.50m)
	Francial Webb	61.67 (2.56m)
	Valejkit	24,564 Papa 166,659 (66)
and the second se	Stockola (bogh) - Evrendad taij Cratveyor	12' 3'' (ñ.76m)
	Steckyala Horgin – Gleba Filoas Contregor	19 ⁷ (3.9664)
100	tifeladepila (balgirit - tifela (Aid Cearleagea	11 ⁷ 10 ⁹⁷ Ci Asimj
	Services Germenius	વા આવ્યું (મહેલ મળ્યું
- 122		

Heavy Duty Build

One of the most robust and durnble machines on the market, the R165 is built to excel at the loughest screening jobs.

Screenbox

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

mccloskeyinternational.com

Extended Tail Conveyor The larger tail conveyor

0.0

nlowa for an increase discharge height and teads rustly into various crushers. ka na pikojni 2016/1 kao 2020ka ji bilan sila na Pilinajahi darim na 1917 kao any kao iliana kao ana bi Marimana ji kao abarat

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ST80T

High Performance Tracked Stacker

The McCloskeyTM 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.

McCloskey

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

10000

- 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



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 bell

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

Radio Remote Track Control

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

3

Shutdown Systems Engine safety shutdown systems.

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	1556m ^a (2035 yd³)
Transport Length	15.75m (51° 8'')
Transport Height	3.43m (11' 3")
Transport Width	2.49m (8' 2'')

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1

PRINCE GEORGE'S COUNTY

DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT PERMITTING CENTER

CERTIFICATE OF OCCUPANCY

EFFECTIVE DATE: Jan	nuary 26, 2022	CASE NUMBER :	27861-2021-01
PERMISSION IS HEREB	Y GRANTED TO OCCU	PY :	
CASETYPE :	T DISTRICT HE	IGHTS, MD 20747	
OWNERSHIP : USE GROUP :		PARKING SPACES :	0
CONST. TYPE :		SPECIAL EXCEPTION : LOT :	13
TAX MAP :	082	BLOCK :	В
ZONE :	14	PARCEL :	
LIMITATIONS (UP TO) : Ok for recycling of asphalt the use of portable equipme	pavement processing pla		AVEMENT (RAP)
PROPERT	YOWNER		
GLOBAL RESOURCE REC	CYCLERS	#	

PROPERTY OWNER		
GLOBAL RESOURCE RECYCLERS		
2600 MARBLE CT	#	
FORESTVILLE, MD 20747		
	00	
OCCUPANT		
ALLAN MYERS		
2601 MARBLE CT	#	
DISTRICT HEIGHTS, MD 20747		
TRADE NAME :		

CERTIFICATE IS TO BE CONSPICUOUSLY DISPLAYED AND NOT REMOVED FROM THE PREMISE FOR WHICH IT WAS ISSUED. IT IS NOT TRANSFERABLE.

Melinda Bolling

Melinda Bolling BUILDING CODE OFFICIAL OCAL COVENANTS A FINE MAY BE

<u>YOU MUST COMPLY WITH MUNICIPAL, HOMEOWNER/CIVIC ASSOCIATION AND LOCAL COVENANTS, A FINE MAY BE</u> <u>IMPOSED IF CONSTRUCTION IS BEGUN WITHOUT REQUIRED APPROVALS.</u>

I. General A. Scope: The Landscape Contractor shall provide all labor, materials, and equipment necessary to complete the work shown on the drawings and described in the specifications. The Landscape Contractor shall verify all quantities of plant material shown on the plan and in the plant list. In the event of a discrepancy between the quantities shown on the plan and in the plant list, the plan shall govern. Immediately inform the Landscape Architect of any such discrepancy before delivering or installing any plant material. B. Utilities: The Landscape Contractor shall notify Miss Utility (1-800-257-7777) to verify the location of all main utilities and shall ask the General Contractor to locate lighting and other on-site utilities in the field before proceeding with the installation of any planting. If conditions arise in the field which necessitate the shifting of a plant location more than 15', the Landscape Architect is to be consulted. C. Substitutions: Any change in the type, size and quantity of plant material must be approved by the Landscape Architect prior to installation.

Quality Standards: All plant material must be nursery grown and meet all of the availative criteria established by the current issue of the American Standard for Nursery Stock specifications published by the American Nursery & Landscape Association Furthermore, all plant material must exhibit a full, symmetrical habit of

growth that is characteristic of quality grown nursery stock. Any plant material exhibiting a spindly or lop-sided habit or any other feature that detracts from its health or appearance, will be rejected. Dug Material: All dug plant material shall have been dug before bud break or after leaf maturation. Any plant material exhibiting drooping new growth within two (2) weeks of being planted will be rejected and must be removed from the job.

Balled and burlapped plants shall be dug with firm natural balls of earth. Anti-desiccants shall be applied on all material dug while in foliage. F. Poor Drainage: No plants shall be planted in situations that show obvious poor drainage. Such situations shall immediately be brought to the attention of the Landscape Architect and Owner, and if they deem necessary the plants shall be relocated or the contract shall be adjusted to allow for drainage correction at a negotiated cost.

G. Site Preparation: It shall be the General Contractor's responsibility to present "clean" soil conditions to the Landscape Contractor prior to ani landscape installation. "Clean" soil may include on-site soil but must be free of pavement materials, muck, root systems, petroleum or other chemical substances blue stone construction debris and other materials larger than 4" in diameter. The "clean" soil shall extend to the following minimum depths: 18" where trees are proposed, 12" where shrubs are proposed and 4" where lawn is proposed. If the Landscape Contractor encounters any areas to be deficient regarding these "clean" soil specifications, he shall report this condition to the Landscape Architect and Owner prior to planting in those

H. Workmanship: During planting, all areas shall be kept neat and clean, and all reasonable precautions shall be taken to avoid damage to existing plants, turf and structures. Upon completion, all debris and waste material resulting from planting operations shall be removed from the project and the area cleaned up. Any damaged areas shall be restored to their original

. Water: If available on-site, the Owner shall supply water at no cost. It will be the Landscape Contractor's responsibility to supply water if there is none on the site. Guarantee: All plant material shall be guaranteed for a period of one

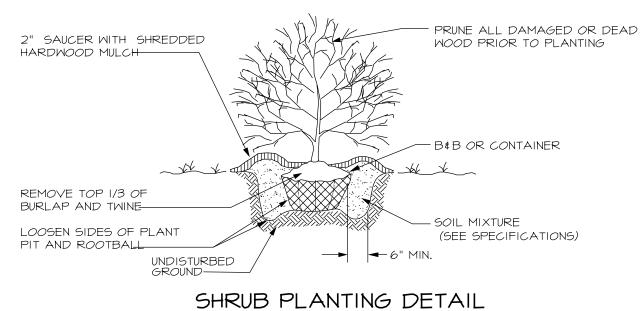
(1)year. It is the Landscape Contractor's responsibility to assure that all plant material be maintained in a healthy condition during this period. The Landscape Contractor shall replace within 30 days of notice any and all plant material that declines to less than 75% of its original planted condition due to cultural reasons. The Landscape Contractor shall not be responsible for replacing plants for cultural reasons after the first instance of decline. If decline for cultural reasons occurs a second time, the Landscape Architect shall be notified and an alternative planting remedy will be negotiated at an extra cost to the

The Landscape Contractor shall not be held responsible for any plant losses due to mechanical injury, theft or vandalism after the job is accepted by the owner. II. Planting Procedures

A. Planting Beds: With the exception of those trees shown on the plan as individuals, all plants are to be planted into prepared planting beds which are designated on the plan with dashed outlines. The outline of each bed shall be spade dug to be a smooth, continuous sharp-cut edge. The entire area within the outline of the bed shall be thoroughly loosened to a depth of 6-8" by

picking or other means and all materials unsuitable for plant growth and all rocks and debris greater than 4" diameter are to be removed. Topsoil (that meets the qualitative description of the Maryland State Highway Administration's Materials Specification 920.02 Natural Topsoil) shall be applied over the loosened subsoil to a minimum depth of 6", creating a slightly raised planting bed in relation to the surrounding area. B. Tree Planting:

- . Preparing tree pit: The walls of the tree pit shall be dug so that they are vertical and scarified. The diameter of the pit shall be a total of 24" wider than the ball diameter. Care should be to excavate the tree pit below a depth that allows 2" of the ball to be above finished grade. If the pit is dug too deep, then the bottom of the pit must be firmly tamped (to prevent settlement). 2. Placing Tree in Pit: Place the tree in the pit either by lifting and
- carrying the tree by its ball (never lift by branches or trunk) and then lowering it into the pit. Set the tree straight and in the center of the pit with the most desirable side of the tree facing toward the prominent view (sidewalk, building, street, etc.).
- 3. Backfilling Tree Pit: Backfill the tree pit with a mixture of 2/3 original excavated material amended with 1/3 topsoil (as specified in II.A. above)(This step will have been partially completed if the tree is planted into a prepared bed as described above.) Backfill sides of tree pit halfway with soil mixture and tamp before adding more backfill. Cut rope or wire on ball of tree and pull burlap back to the edge of the tree ball. Remove all plastic wraps and twine Finish backfilling sides of tree pit and tamp firmly. Never cover top
- of root ball with soil. Form a saucer above existing grade and around the outer rim of the tree pit. Mulch top of root ball and saucer within 48 hours to a depth of 2" to 3". Water thoroughly on the interior of the tree saucer until it is filled,
- even if it is raining. A second watering may be necessary to insure saturation of the root ball. Prune out any dead or broken branches. 4. Tree bracing: All trees less than 2" cal. are to be braced with two (2) 6' hardwood stakes 180 degrees apart. All trees 2" cal. or larger are to be braced with three (3) guy wires and ground stakes spaced evenly apart (120 degrees) in a circle (see details on plan for additional information). Staking and guying shall be completed within 48 hours of planting the tree. C. Shrub Planting:
- . Preparing Shrub Pit: The walls of the shrub pit shall be dug so that they are vertical and scarified. The diameter of the pit shall be a total of 12" wider than the ball diameter. The depth of the pit shall be at an elevation that allows 2" of the ball to be above finished grade, after the bottom of the pit has been firmly tamped (to prevent settlement,
- 2. Placing Shrub in Pit: Container grown material shall have the container removed and the outside of the root ball examined for the presence of encircling roots. If present, these roots should be severed with a sharp knife and loosened from the earth ball by means of pulling them out slightly by hand prior to planting. Place the shrub in the pit either by lifting or carrying the shrub by its root ball (never lift by branches) and then lowering it into the pit. Set the shrub straight and in the center of the pit with the most desirable side of the shrub facing toward the prominent view
- (sidewalk, building, street, etc.). 3. Backfilling Shrub Pit: Backfill the shrub pit halfway with soil mixture and tamp before adding more backfill. Cut rope or wire on ball of shrub and pull burlap (if B&B) back to the edge of the root ball. Remove all plastic wraps and twine. Finish backfilling sides of pit and tamp firmly. Never cover top of root ball with soil. Form a saucer above existing grade and around the outer rim of the shrub pit. Mulch top of root ball, saucer, and the entire planting bed within 48 hours to a depth of 2" to 3". Water thoroughly on the interior of the shrub saucer until it is filled. even if it is raining
- saturation of root t D. Seeding & Sodding All disturbed areas no areas are to be esta by seed or sod, or co availability of materials



DECIDUOUS OR EVERGREEN NO SCALE SECTION

			PLANT LIST			
SYM.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	REMARKS
ek	7	Evonymous kiautschovicus "Manhattan"	Manhattan Spreading Euonymous	24"-30" Ht.	3' o.c.	Cont.(Maintain as clipped hedge)

n the interior of the shrub saucer until it is filled, A second watering may be necessary to insure ball. Prune out any dead branches.	
not covered by buildings, pavements and planting ablished in a lawn of turf-type Tall Fescue either ombination, depending on the time of year, als and Owner's preference.	

A. Required: 5 space <u>Kale</u> I spaces per 250 SF GFA Office (1,200 SF) • Of which at least 3 (2/3 of requirement) must be non-compact. B. Provided: 6 spaces as follows;

- 5 Standard Spaces @ 9.5' x 19' min. Van Accessible Handicap Spaces @ 8' x 19' with 8' access aisle.
- Loading Required: O spaces Provided: O spaces

The use of this property is for:

Total site area = 367,655 SF or 8.4402 Ac. Net lot area = 280,915 SF or 6.4489 Ac.

Total Disturbed Area = 3,949 SF or 0.0907 Ac. Area to be left undisturbed= 363,706 SF or 8.3495 Ac

8. Gross Floor Area = 1,200 SF

GENERAL NOTES

Parking

9. The subject property appears on Washington Suburban Sanitary Commission Sheet 2045E07. 10. The subject property appears on Tax Map 82, Grid B2, B3.

I. This Site Plan is for the replacement of the existing office trailer with a new 1,200 SF Office Building.

2. The subject property is zoned 1-4. Surrounding properties are zoned 1-4, and and R-80 as shown hereon.

Recycling Plant . 2. Manufacturing or cutting of structural products made of clay, concrete, glass, stone or similiar materials.

<u>Requirement</u> 5 spaces *

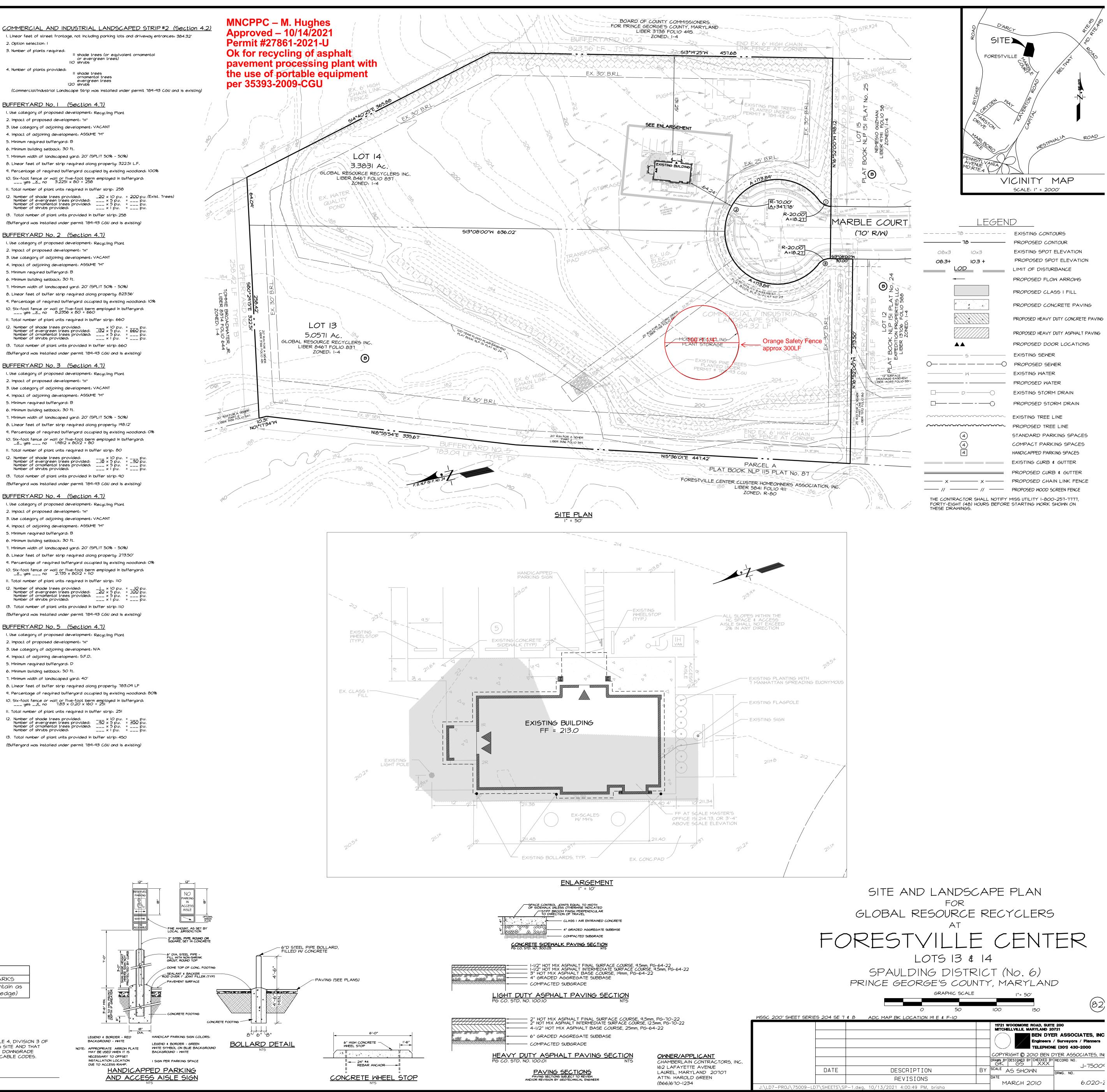
- The subject property has an existing Water/Sewer Category of W3/S3 and a proposed Water/Sewer Category of
- 12. A ten-foot Public Utility Easement shall be provided along all public and private vehicular rights-of-way.
- 13. There is no evidence of a cemetery on or contiguous to the subject property. 14. There are no historic structures on or near the subject property.
- There are no wetlands or Waters of the United States on the subject property.
- 16. There is a 100 year floodplain on the subject property as shown hereon.
- The subject property is not located within the Chesapeake Bay Critical Area. The base information, topograhpy, and landscape was taken from M-NCPPC permit records and the boundary and topography within the limits of disturbance shown hereon was prepered by BDAI.
- Applicant: Chamberlain Contractors, Inc.

162 Lafayette Avenue Laurel, MD 20707 ATTN: Harold Green (866)670-1234

- 20. Green Area: Required = 70,229 SF (25% of Net Lot Area)
- Provided = 141,524 SF (50.4% of Net Lot Area) 21. All on-site concrete curb and qutter to be Prince George's County Std. No. 300.01 unless otherwise modified.
- 22. All parking spaces shall be defined by 4" wide white painted striping.
- 23. Radii on islands and curb work to be 5 feet unless otherwise shown
- Minimum grade on areas not paved: 2.5% unless otherwise noted. 2% in swales. Maximum grade: 2:1 Contour interval: 2 feet Vertical datum is based on NAVD 1929 Datum.
- Horizontal datum is based on WSSC Datum. 25. Call "MISS UTILITY" at I-800-257-7777 at least 48 hours prior to beginning work to determine the location of existing utilities. The "MISS UTILITY" verification number must be updated every IO days.
- All grading work shall be in accordance with Division 3 of the Prince George's County Building Code (Subtitle 4, All proposed load-bearing fills for the support of buildings, walls and other structures shall be Class I. All fills for the support of roadways, pavements, rigid utility lines and house connections shall be Class II. All landscaped areas, lawns and plantings, or other nonload bearing uses shall be Class III. Each layer of Class I and Class II fills shall be compacted at optimum moisture content and to a minimum of 95% and 90% respectively of maximum density as determined in the laboratory by the Standard Proctor Test. (AASHTO T-99, ASTM D-698). In-place ensity tests shall be provided by a licensed Geotechnical Engineer.
- The site geotechnical analysis and report prepared by a Maryland licensed Geotechnical Engineer shall be consulted and used to provide details for pavement sections, lift thickness, compaction, drainage, and any other site specific recommendations and requirements. Those recommendations and requirements shall take precedence over any conflicting information between the plans and report.
- 7. Upon completion of work, site grading, drainage, property corner and landscape observations and certifications must be performed by a licensed professional, confirming that all work has been completed in accordance with the permit, approved plans, and codes. These certifications are required to finalize the permit and release bonds. All grades, elevations, earth quantities, etc., are to be verified by the contractor. Any earth quantities shown or implied are measured to final grade and are approximate. No allowance has been made for unsuitable material encountered during construction. Suitability of soil for use in fill areas or stability of cut areas, compaction, etc.,
- should be determined by a soils engineer The contractor will be responsible for any damage to the existing structures and underground utilities.
- 30. The contractor will have sole responsibility for the construction means, methods, and techniques of executing his work, including safety.
- l. No handicap parking space shall have a slope greater than 2.0% in any direction. No handicap ramp shall have a longitudinal slope greater than 8.3% or a cross slope greater than 2.0%. 32. Unless otherwise shown, all sidewalks shall have a cross slope no greater than 2%.
- 33. Dimensions shown in the parking and drive areas are to face of curb, where applicable.
- All exterior light poles are to be set back at least 2.0' from the face of curb when located on vehicular surfaces
- or head in parking spaces unless otherwise shown 35. Arrows shown in drive aisles indicate general direction of travel and are not intended to convey a requirement hat arrows be painted on the pavemen

I HEREBY CERTIFY THAT THIS PLAN CONFORMS TO THE REQUIREMENTS OF SUBTITLE 4, DIVISION 3 OF THE PRINCE GEORGE'S COUNTY BUILDING CODE AND THAT I HAVE INSPECTED THIS SITE AND THAT DRAINAGE ONTO THIS SITE FROM PROPERTIES, AND FROM THIS SITE ONTO OTHER DOWNGRADE PROPERTIES, HAVE BEEN ADDRESSED IN SUBSTANTIAL ACCORDANCE WITH APPLICABLE CODES

CALL MISS UTILITY 1-800-257-7777 48 hrs, Before Excavation



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