



Maricopa County
Air Quality Department

Mail Applications to:
MCAQD - NON-TITLE V PERMITS
1001 N. Central Avenue, Suite 125
Phoenix, AZ 85004
Or Email to:
AQPermits@mail.maricopa.gov

FOR OFFICIAL USE ONLY
DATE RECEIVED
LOG NUMBER

RENEWAL APPLICATION FOR NON-TITLE V AIR QUALITY PERMIT

(As required by A.R.S. §49-480 and Maricopa County Air Pollution Control Regulations, Rule 200)
Renewal Applications Must Be Submitted By Oct. 01, 2016

1. EXISTING PERMIT NUMBER: 100094		PERMIT EXPIRATION DATE:	
2. WILL THERE BE ANY CHANGES TO THE OPERATING SCENARIO(S) FROM THAT DEFINED IN THE EXISTING PERMIT?		<input type="radio"/> YES <input checked="" type="radio"/> NO	
3. WILL THERE BE ANY NEW, MODIFIED, OR RECONSTRUCTED STATIONARY SOURCES OR AIR POLLUTION CONTROL EQUIPMENT FROM THAT DEFINED IN THE EXISTING PERMIT?		<input checked="" type="radio"/> YES <input type="radio"/> NO	
4. ARE THERE ANY EMISSIONS UNITS PRESENT THAT HAVE NOT BEEN CORRECTLY IDENTIFIED AND DEFINED IN THE EXISTING PERMIT?		<input checked="" type="radio"/> YES <input type="radio"/> NO	
5. WILL THERE BE ANY CHANGES THAT TRIGGER ANY OTHER NEW APPLICABLE REQUIREMENTS?		<input type="radio"/> YES <input checked="" type="radio"/> NO	
6. HAS THE OWNERSHIP OF THIS FACILITY CHANGED SINCE THE PERMIT WAS LAST ISSUED OR TRANSFERRED?		<input type="radio"/> YES <input checked="" type="radio"/> NO	
7. BUSINESS NAME (as filed with the Arizona Corporation Commission): CALGON CARBON CORPORATION			
8. ADDRESS OF SITE: 521 S BUTTERFIELD TR CITY: GILA BEND STATE: AZ Zip Code: 85337			
9. CONTACT PERSON AT SITE: JEREMY DOLAN			a. TELEPHONE: 928-683-6060 b. ALT. TEL:
10. NAME AND ADDRESS OF OWNERSHIP OR LEGAL ENTITY: CALGON CARBON CORPORATION 400 CALGON CARBON DR 3000 GSK DRIVE PITTSBURGH, PA 15205 MOON TWP PA 15108			
11. OWNERSHIP CONTACT: CALGON CARBON CORPORATION			a. TELEPHONE: (412) 787-6809 b. ALT. TEL:
12. SEND ALL CORRESPONDENCE INCLUDING INVOICE AND PERMIT TO THIS ADDRESS OR TO THIS EMAIL: COMPANY NAME: CALGON CARBON CORPORATION ADDRESS: 400 CALGON CARBON DRIVE 521 S BUTTERFIELD TR CITY: PITTSBURGH GILA BEND STATE: PA ZIP CODE: 45205 85337 ATTN: PLANT MANAGER EMAIL:			

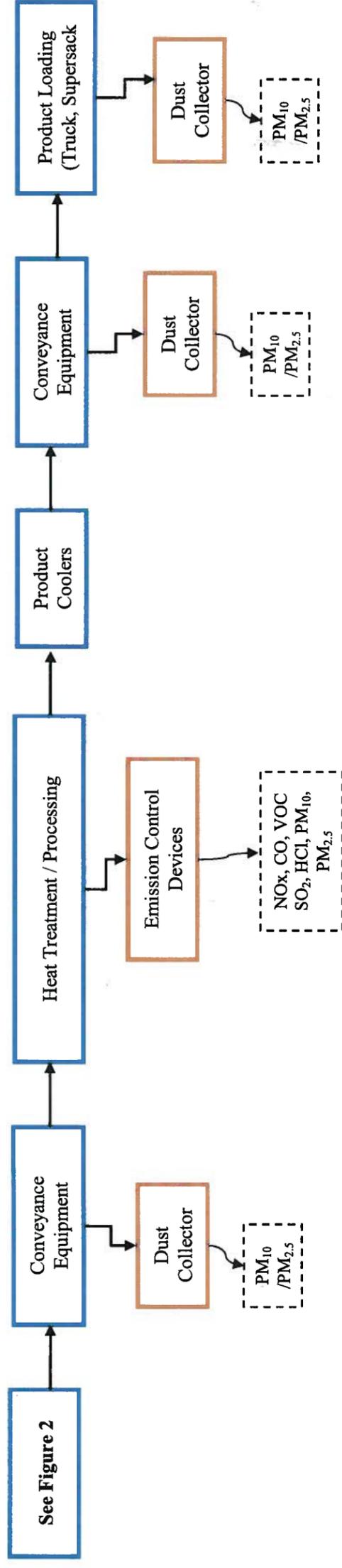
13. THE AUTHORIZED CONTACT REGARDING THIS PERMIT APPLICATION IS:

NAME: SAA ATTN: ERIKA FRANK DAVID MCADAMS	TELEPHONE: (412) 787-6809 4793
TITLE:	FAX: (412) 787-6717
COMPANY: CALGON CARBON CORPORATION	EMAIL:

14. I CERTIFY THAT I AM FAMILIAR WITH THE OPERATIONS REPRESENTED ON THIS APPLICATION AND THE INFORMATION PROVIDED HEREIN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

SIGNATURE OF OWNER OR RESPONSIBLE OFFICIAL OF BUSINESS: *Nora J Stockhausen* DATE: 29 April 2016
TYPE OR PRINT NAME AND TITLE: Nora J Stockhausen VP Municipal + Reactivation

Figure 1 - Carbon Reactivation Process Flow Diagram



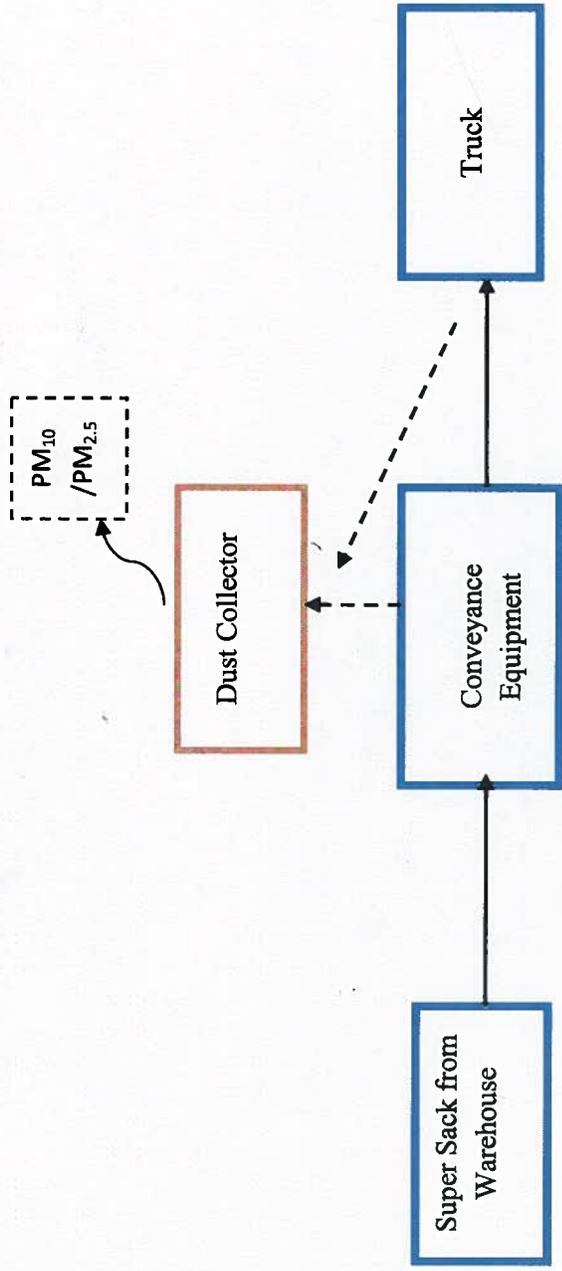
LEGEND

- Emissions from process or equipment
- Processing step
- Emission control device

**Figure 2 - Bulk Carbon Spent Unloading
Process Flow Diagram**



**Figure 3 – Bulk Carbon Reactivated
Loading Process Flow Diagram**





January 13, 2016

Todd Martin

Non-Title V Permitting Supervisor

Maricopa County Air Quality Department

1001 North Central Avenue, Suite 125,

Phoenix AZ 85004

Dear Mr. Martin:

Calgon Carbon Corporation (Calgon Carbon) submits this 7-day notice regarding a change to the Gila Bend plant operations. A trailer mounted industrial vacuum (Hurricane 500) will be brought on site intermittently to offload multi compartment dry bulk trailers. Currently, all spent carbon is brought on site in supersacks via flatbed trailer.

The spent municipal carbon will either be offloaded to supersacks or directly to the existing hopper where supersacks are currently emptied. Since the spent carbon is wet, there will not be any particulate emissions from the material transfer process. Also, there will not be any change to the permitted spent carbon processing rate.

Future plans for alternatives to material handling were discussed with Eric Funderburk and Eric Poole. Those details will be submitted under separate cover as a minor modification to the existing permit.

A MCAQD Non-Road Engine Determination as well as a specification sheet for the Hurricane 500 are enclosed.

Feel free to contact me at my office number at 412-787-4793 or my cell number at 412-418-3325 if you have any questions.

Sincerely,

A handwritten signature in black ink that reads 'David R. McAdams'. The signature is written in a cursive, flowing style.

David R. McAdams

Environmental Engineer

cc: Eric Funderburk

enclosures



MARICOPA COUNTY AIR QUALITY DEPARTMENT
 1001 North Central Avenue
 Phoenix, Arizona 85004

MCAQD NON-ROAD ENGINE DETERMINATION

BUSINESS NAME: Calgon Carbon Corporation

ENGINE DESCRIPTION (MAKE/MODEL): John Deere turbo charged diesel engine, 6 cylinder, 170 HP

DATE ENGINE INSTALLED: TBD

- A. Does your internal combustion engine meet the definition of non-road engine as explained below?
- i. Is the engine in or on a piece of equipment that is self-propelled or serves a dual purpose by both propelling itself and performing another function (such as garden tractors, off-highway mobile cranes and bulldozers)? YES NO
 - ii. Is the engine in or on a piece of equipment that is intended to be propelled while performing its function (such as lawnmowers and string trimmers)? YES NO
 - iii. Is the engine by itself or in or on a piece of equipment that is portable or transportable, meaning designed to be and capable of being carried or moved from one location to another (indicia of transportability include, but are not limited to: wheels, skids, carrying handles, dolly, trailer, or platform)? YES NO

If the answer is YES to any of these questions, please attach an explanation, and then proceed to Question B:
 If the answer is NO to all of these questions, this engine does not qualify as a non-road engine.

- B. Is the engine used to propel a motor vehicle or a vehicle used solely for competition? YES NO

If the answer is YES, this engine does not qualify as a non-road engine.
 If the answer is NO, proceed to Question C.

- C. Will this engine, or any replacement engines, remain at one location for more than 12 consecutive months? A location is any single site at a building, structure, facility or installation. As such, an engine is considered a stationary source unless it is determined that it is moved (for reasons other than to solely qualify it as mobile). Please note that any engine that replaces the engine claimed as non-road at a location and that is intended to perform the same or similar function as the claimed non-road engine must be included in calculating the consecutive time period. YES NO

If the answer is YES, this engine does not qualify as a non-road engine.
 If the answer is NO, proceed to Question D.

- D. Is the engine located at a seasonal source? A seasonal source is a stationary source that remains in a single location on a permanent basis (at least 2 years) and that operates approximately 3 months (or more) each year. YES NO

If the answer is YES, proceed to Question E.
 If the answer is NO, this engine may qualify as a non-road engine.

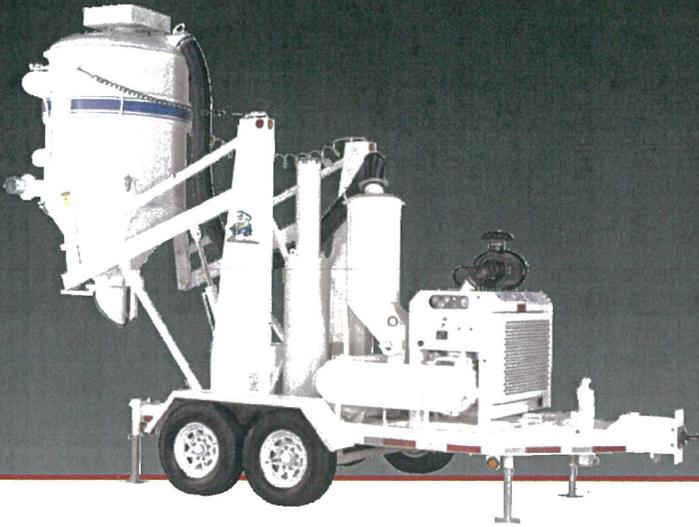
- E. Will the engine remain at the seasonal source during the seasonal source's full annual operating period? YES NO

If the answer is YES, this engine does not qualify as a non-road engine.
 If the answer is NO, this engine may qualify as a non-road engine.

Based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

Date: January 13, 2016 Signature Of Owner or Responsible Official Of Business: 

Type Or Print Name and Title: Jeremy Dolan - Plant Manager



HURRICANE 500

HURRICANE 500 SPECIFICATIONS

- **TRAILER MOUNTED** Chassis - Tandem 7000# axles, 4" x 6" rectangular tube frame; four, 8 lug P235R- 16 ten ply, radials. DOT lighting with electric brakes.
- **POWER SOURCE** John Deere turbo-charged diesel engine, 6 cylinder, 170 HP @ 2400 RPM.
- **P.T.O (clutch)** Twin Disc 11.5"
- **VACUUM AIR FLOW (blower)** Positive displacement, 2350 CFM capable of 27" Hg, 5 belt driven with guard. (Roots 616 DVJ or equal)
- **FILTRATION SYSTEM (3-Stage)**
 Stage 1: Cyclonic separation.
 Stage 2: Baghouse / 37 Teflon coated, quick change filter bags with continuous reverse pulse air cleaning.
 Stage 3: High efficiency blower safety filter.
- **HYDRAULICS** 3.5 GPM, 2200 PSI, direct driven
- **ENCLOSURE** Lockable steel shroud over engine. (fiberglass shroud available)
- **INSTRUMENT PANEL (fully enclosed)** 12 volt key start, Murphy safety system (low oil pressure/ high water temperature-auto shut down)
 Gauges: oil pressure, water temperature, ammeter, tachometer with hour meter, filter cleaning on/off switch, material vacuum & dump time controls.
- **AIR COMPRESSOR** Direct drive Midland twin cylinder; water cooled and oil pressure fed. Midland air dryer with electronic heater.
 AMSE certified air tank mounted on vibration isolators. (Provides air to pneumatic controls and the self cleaning filter system)

STANDARD EQUIPMENT

- Paint-one color (custom lettering available)
- Wet or dry operation
- Tool box
- Automatic cone vibrator
- 100 gallon fuel tank
- Adjustable pintle hook
- Emergency stop button
- 10" inspection door (Hopper)

OPTIONS

- Spare tire & carrier
- Cold weather package
- HEPA filtration
- Slide gate discharge
- Auxiliary 50 gallon fuel tank
- Hydraulic lift leg to level trailer
- 16" manhole on baghouse
- High reach package for discharge up to 11'
- Asbestos / hazardous waste package
- Parking brake
- Fiberglass locking shroud
- Auger in cone
- Auxiliary air hose 120 PSI
- Skid mount
- Hydraulic surge brake
- 4 point certified lifting cage
- 150 HP electric motor

SAFETY FEATURES

- OSHA approved belt guard
- Remote emergency stop button
- Safety struts for baghouse
- Emergency brake away chain
- Wheel chocks
- Optional HEPA filtration
- Electric brakes
- Low oil or high temp engine shutdown

Dimensional Drawing On Reverse Side



Industrial Vacuum Equipment Corporation
 N7959 Birch Road • Ixonia, WI 53036
 800-331-4832 • 920-261-1136 • FAX 920-261-7117
www.industrialvacuum.com



HURRICANE 500

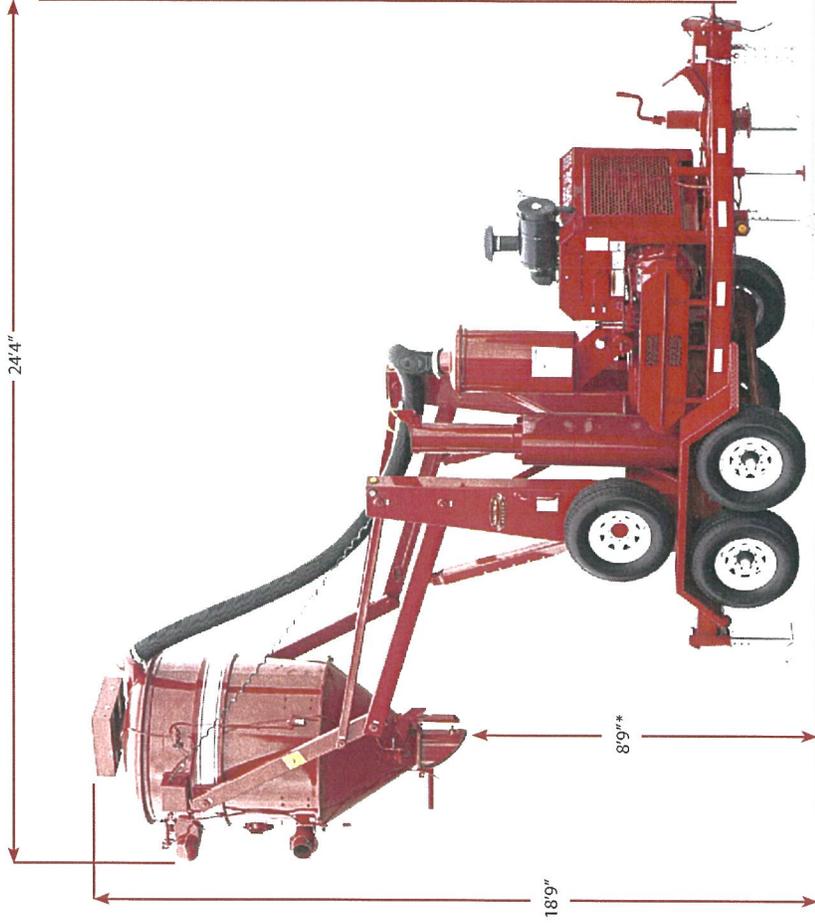
HURRICANE™



DIMENSIONS

WIDTH 8'3"

WEIGHT 9,500 lbs.



* High reach options up to 11 ft available.