



Received
JUL -1 2013
Air Permits Section

Via Federal Express Delivery

June 28, 2013

Donald van der Vaart, Section Chief, Permitting
North Carolina Department of Environment and Natural Resources
Division of Air Quality
217 W. Jones St.
Raleigh, NC 27603

Re: ***Application for Air Permit for Fumigation Operations
Port of Morehead City, North Carolina***

Dear Dr. van der Vaart:

Enclosed with this letter please find the application of Royal Pest Solutions Inc. for an air permit to cover fumigation activities at the Port of Morehead City, North Carolina. Also enclosed is Royal's check in payment of the fee associated with the application.

In view of circumstances at the Port of Morehead City that are discussed below, Royal also requests that this letter be considered part of the application, as it discusses two pertinent issues: (1) the need for a two-step application process; and (2) the applicability of Section 112(g) of the Clean Air Act.

Issue 1. The need for a two-step application process

As you are aware, the Port of Morehead City has certain pending business opportunities for shipments of logs to other countries. Unless the Port can have the logs fumigated prior to shipment, it will not be able to obtain this business, which will then likely go to a competing East Coast port.

We respectfully request that this matter be treated in a two-step process that would enable the Port to begin accepting the business as soon as possible. In the hope that this is acceptable, we are submitting an application under North Carolina's regulations for a state construction and operation permit, which we understand can be processed more quickly than a federal Title V permit. We also understand that if a state permit is issued, it will be conditioned on our submission of an application for a Title V permit, which we will timely pursue.

Issue 2. The Applicability of Clean Air Act § 112(g)

The enclosed air permit application seeks approval for the use of the fumigant methyl bromide, which is classified as a hazardous air pollutant ("HAP") under Clean Air Act § 112. Royal is applying for a permit to emit up to 140 tons per year of methyl bromide. Since the fumigation operations at the Port have a potential to emit over the major source emission threshold of 10 tons/year of a single HAP, the fumigation operations at the Port would constitute a major source of HAP emissions.

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Royal is aware of the requirements of CAA § 112(g) as implemented by EPA's regulations at 40 CFR 63.40 through 63.44 and North Carolina's regulations at 15A NCAC 02D.1112. After June 30, 1998, no owner or operator may construct or reconstruct a major source of HAPs (that is not otherwise exempt from the applicability of CAA § 112(g)) without first having obtained from the appropriate permitting authority (in this case the NC DAQ) a final and effective case-by-case determination that the source will be controlled to a level no less stringent than the maximum achievable control technology emission limitation for new sources.

The CAA § 112(g) requirement is inapplicable to Royal's proposed fumigation operations at the Port of Morehead City. Royal is not constructing a major source. "Construct a major source" is defined, in relevant part, in the federal and North Carolina regulations as follows:

(1) To fabricate, erect, or install at any greenfield site a stationary source or group of stationary sources which is located within a contiguous area and under common control and which emits or has the potential to emit 10 tons per year of any HAP's or 25 tons per year of any combination of HAP, or (2) To fabricate, erect, or install at any developed site a new process or production unit which in and of itself emits or has the potential to emit 10 tons per year of any HAP or 25 tons per year of any combination of HAP, unless the process or production unit satisfies criteria in paragraphs (2)(i) through (vi) of this definition.

The Port of Morehead City is not a greenfield site, *i.e.*, an "undeveloped site." Thus, the potential applicability of the CAA § 112(g) requirement to obtain a case-by-case MACT determination hinges on subsection (2) in the definition of "construct a major source" quoted above.

Fumigation operations have been conducted at the Port of Morehead City for decades. The affidavit of Rex Edwards, Director, Port Operations and Business Development at Morehead City¹, establishes that fumigations have taken place since the early 1960s on cargo such as tobacco, cotton and lumber. These fumigations have included both imported, quarantined cargo and pre-shipment for cargo to be exported. Because the Port handles breakbulk and bulk commodities such as steel and fertilizer, and few agricultural products, the need for fumigation is not as great as would be found at a port that handled containerized cargo or perishable cargo.

The nature of the Port's business, while it affects the frequency of fumigation, does not negate the need for a fumigation capability. Ports, in order to be and remain competitive, must maintain a fumigation capacity; the Port of Morehead City is no exception. The fact is that fumigation is a necessary adjunct to shipping. Its purpose is to protect the agriculture and forestry of a country by preventing the introduction of non-native pests into an environment that might not have native predators or controls (such pests are referred to as "quarantine pests"). Japanese beetles, Asian longhorn beetles and Dutch elm disease are examples of quarantine pests that were not stopped at our borders and as a result wreaked havoc on US agriculture and natural resources.

USDA's Animal and Plant Health Inspection Service, Plant Protection and Quarantine division (APHIS PPQ) is charged with inspecting imported cargo and declaring a quarantine if such pests are found. It then mandates fumigation, usually with methyl bromide, as a condition of entry. In fact, certain quarantine pests pose such an immediate threat that APHIS PPQ will require fumigation of cargo *in situ*; fumigation in these cases can occur at any location at a port. The fumigator comes on site, erects some sort of enclosure around the cargo and performs the treatment. Fumigation activities are, of necessity, portable and temporary.

¹ A copy of Mr. Edwards's affidavit accompanies this letter. The original is being sent directly from Mr. Edwards to DENR.

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In the case of exports, under the terms of international treaties APHIS PPQ certifies treatments performed in the US to the destination countries that require them. Logs, tobacco and grain are examples of US products that are regularly treated at US ports just prior to shipment abroad. The incidence of fumigation, and its location, therefore, will naturally ebb and flow with a port's business.

Fumigations over the years at the Port of Morehead City have been performed primarily on bulk commodities such as logs, and on commodities within their packaging for shipping such as hogsheads (large barrels) of tobacco. Regardless of the stowage or packaging of cargo, however, fumigation treatment protocols have not varied over the last 40 years or so.

Every aspect of quarantine and pre-shipment fumigation is mandated, in detail, by the USDA APHIS PPQ Treatment Manual, an 800+ page manual that, despite periodic updates to add new quarantine pests or new vendors of equipment and expendable materials, has not changed its approach to fumigation in more than 40 years. Bulk cargo is stacked, covered with a tarpaulin and fumigated. Packaged cargo can be treated by fumigating the pallet or other container itself (without unloading the cargo), but regardless of set-up the amount of fumigant required by the Treatment Manual still depends upon the ambient temperature and cubic footage being treated, the exposure times remain the same, and the methods of introduction of the fumigant and its evacuation remain the same.

Break bulk and the tobacco hogshead fumigation operations have been well established at the Port of Morehead City since before July 1, 1998, when the CAA § 112(g) requirement took effect in North Carolina. Thus, these fumigations operations are "existing" operations, not "new" operations. Royal will continue methyl bromide fumigation operations using the same setup and protocol at the Port as have historically been used for such operations. Furthermore, Royal will continue using the methyl bromide fumigation protocols established by the USDA's Treatment Manual decades ago and that have undergone little or no change over those decades. Thus, Royal will not "fabricate, erect or install . . . a new process or production unit" at the Port.

EPA and North Carolina regulations define "process or production unit" to mean:

Any collection of structures and/or equipment, that processes assembles, applies, or otherwise uses material inputs to produce or store an intermediate or final product. A single facility may contain more than one process or production unit.

Royal will utilize existing areas at the Port as described in its application. Expendable items such as the tarpaulins under which fumigation takes place, introduction hoses, and monitoring tubes will be replaced regularly as they wear out or break. These replacements would occur on a regular maintenance schedule or on an *ad hoc* basis as an immediate need arises. There is no plan or program, however, for the replacement of a "collection" of these routinely expendable items. In addition, no new permanent fixtures will be constructed at the site. In short, no new "unit," *i.e.*, "collection of structures and/or equipment," will be constructed at the Port.

To summarize, Royal will continue fumigation operations in the same areas and using the same type of equipment and operational methods that have been in use at the Port of Morehead City since at least the 1960's. Thus, Royal will continue the "existing" fumigation operations and will not construct a "new" major source at the Port. Accordingly, under the applicable federal and North Carolina regulations, CAA § 112(g) does not apply to Royal's fumigation operations at the Port of Morehead City.

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Royal appreciates your consideration of these two issues in conjunction with Royal's air permit application. Should you require any additional information, please contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Anne E. Bookout". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Anne E. Bookout
Vice President & General Counsel

Enclosures: Air permit application plus three copies of same
Check from Royal Pest Solutions Inc.
Copy of affidavit of Rex Edwards

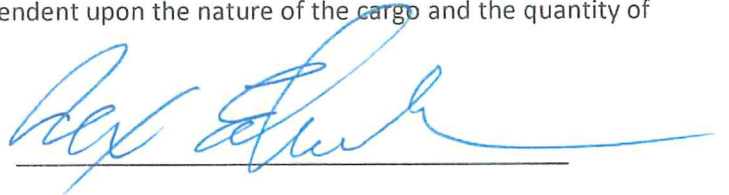
Copies: Thomas E. Knauer, Esquire

AFFIDAVIT OF REX EDWARDS

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Being duly sworn according to law, Rex Edwards does hereby state:

1. I am the Director, Port Operations and Business Development, of the Port of Morehead City, North Carolina (MHC). I have been employed at MHC since 1986 and I am familiar with its operations and history.
2. Since at least the early 1960's to the present, MHC has had a fumigation capability that has been used when needed. MHC handles breakbulk and bulk commodities such as natural rubber, steel, lumber and fertilizer. This cargo tends not to be infested by quarantine pests. MHC does not handle containerized cargo, which, being of greater variety and type, may be more likely to require fumigation upon export or import.
3. I personally recall that MHC used to fumigate "hogsheads" of tobacco, large wooden barrels that weighed 900 to 1,000 lbs. loaded. This was definitely prior to 1998. The fumigation was done by certified port personnel.
4. From 1998 to the present, I recall a shipment of cotton from China that was quarantined by USDA and required fumigation in 1999. The fumigation was done on port property by Anchor Fumigation, a company with headquarters in Texas that came for the specific purpose of treating the cotton. I also recall that in 2007 logs from the US were exported to Germany and fumigated by Royal Fumigation to meet the import requirements of the German government. One other time, rubber pallets were quarantined, but once the pest was identified as not being invasive to the US, the cargo was released without treatment. If the pest had required fumigation, though, MHC would have permitted a fumigator on port property for the treatment.
5. If export or import cargo requiring fumigation were to arrive at MHC, it would be handled as in the past: a fumigation company would be contacted to come to the port and provide the treatment. The frequency of fumigation would be entirely dependent upon the nature of the cargo and the quantity of it being transported through MHC.



COUNTY OF CARTERET)
) ss.
STATE OF NORTH CAROLINA)

I certify that Rex Edwards, know to me personally or who provided satisfactory evidence of his identity, personally appeared before me this day, acknowledging to me that he signed the foregoing document.

Date: 6/27/13


Official Signature of Notary

Notary's printed or typed name: Charlene H. Pamuell, Notary Public (Official Seal)

My commission expires: 5/15/2015

FORM A1

FACILITY (General Information)

NCDENR/Division of Air Quality - Application for Air Permit to Construct/Operate

A1

REVISED 11/01/02

NOTE- APPLICATION WILL NOT BE PROCESSED WITHOUT THE FOLLOWING:

- | | | |
|---|---|---|
| <input type="checkbox"/> Local Zoning Consistency Determination (if required) | <input type="checkbox"/> Facility Reduction & Recycling Survey Form (Form A4) | <input type="checkbox"/> Application Fee |
| <input type="checkbox"/> Responsible Official/Authorized Contact Signature | <input type="checkbox"/> Appropriate Number of Copies of Application | <input type="checkbox"/> E Seal (if required) |

GENERAL INFORMATION

Legal Corporate/Owner Name: Royal Pest Solutions Inc., as site operator

Site Name: Port of Morehead City, North Carolina

Site Address (911 Address) Line 1: 113 Arendell Street

Site Address Line 2:

City: Morehead City

State: North Carolina

Zip Code: 28557

County: Carteret

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CONTACT INFORMATION

Permit/Technical Contact:

Name/Title: Anne Bookout/VP & General Counsel

Mailing Address Line 1: 53 McCullough Drive

Mailing Address Line 2:

City: New Castle **State:** DE **Zip Code:** 19720

Phone No. (302) 613-5242 **Fax No. (302) 322-6887**

Email Address: abookout@royalpest.com

Facility/Inspection Contact:

Name/Title: James Fealey/ Regional Manager

Mailing Address Line 1: 1 Shipyard Boulevard

Mailing Address Line 2:

City: Wilmington **State:** NC **Zip Code:** 28412

Phone No. (919) 809-2989 **Fax No. () none**

Email Address: jfealey@royalfume.com

Responsible Official/Authorized Contact:

Name/Title: Roger Richardson, Jr./Director of Fumigation

Mailing Address Line 1: 53 McCullough Drive

Mailing Address Line 2:

City: New Castle **State:** DE **Zip Code:** 19720

Phone No. (302) 275-0429 **Fax No. (302) 322-6887**

Email Address: rogerjr@royalfume.com

Invoice Contact:

Name/Title: James Conroy/Chief Financial Officer

Mailing Address Line 1: 53 McCullough Drive

Mailing Address Line 2:

City: New Castle **State:** DE **Zip Code:** 19720

Phone No. (302) 322-3600 **Fax No. (302) 322-6887**

Email Address: jconroy@royalpest.com

APPLICATION IS BEING MADE FOR

- | | | |
|--|--|--|
| <input type="checkbox"/> New Non-permitted Facility/Greenfield | <input checked="" type="checkbox"/> Modification of Facility (permitted) | <input type="checkbox"/> Renewal with Modification |
| | <input type="checkbox"/> Renewal (TV Only) | |

FACILITY CLASSIFICATION AFTER APPLICATION (Check Only One)

- | | | | | |
|----------------------------------|--------------------------------|--|--|---|
| <input type="checkbox"/> General | <input type="checkbox"/> Small | <input type="checkbox"/> Prohibitory Small | <input type="checkbox"/> Synthetic Minor | <input checked="" type="checkbox"/> Title V |
|----------------------------------|--------------------------------|--|--|---|

FACILITY (Plant Site) INFORMATION

Describe nature of (plant site) operation(s): Fumigation of import/export commodities in shipping containers or in bulk with methyl bromide as mandated by USDA or as certified by USDA to foreign governments. **Facility ID No. :**

Primary SIC/NAICS Code: 7342/561710 **Current/Previous Air Permit No.:** n/a **Expiration Date:**

Facility Coordinates: **Latitude:** 34.7168283 **Longitude:** -76.6996535

Does this application contain confidential data? YES NO

PERSON OR FIRM THAT PREPARED APPLICATION

Person Name: Anne Bookout

Mailing Address Line 1: 53 McCullough Drive

City: New Castle **State:** DE

Phone No. (302) 613-5242 **Fax No. (302) 322-6887**

Email Address: abookout@royalpest.com

Firm Name: Royal Pest Solutions Inc., d/b/a Royal Fumigation

Mailing Address Line 2:

Zip Code: 19720 **County:** New Castle

SIGNATURE OF RESPONSIBLE OFFICIAL/AUTHORIZED CONTACT

Name (typed): Roger Richardson, Jr.

Title: Director of Fumigation

X Signature (Blue Ink):

Date: 6/28/13

Attach Additional Sheets As Necessary

FORM A4

SURVEY OF AIR EMISSIONS AND FACILITY - WIDE REDUCTION & RECYCLING ACTIVITIES

DATE: 28 June 2013 Does facility have an environmental management system in place? (X) YES () NO If so, is facility ISO 14000 Certified? () YES (X) NO

Facility Name: Port of Morehead City, North Carolina (fumigation operations) Permit Number: n/a

Facility ID: County: Carteret Environmental Contact: Anne Bookout

Mailing Address Line 1: 113 Arendell Street Phone No. (302) 613-5242 Fax No. (302) 322-6887

Mailing Address Line 2: Zip Code: 28557 County: Carteret

City: Morehead City State: NC Email Address:

AIR EMISSIONS SOURCE REDUCTIONS		Any Air Emissions Source Reductions in the past year? () YES () NO				Addition detail about source	
Source Description and ID	Air Pollutant	Enter Code for Emission Reduction Option (See Codes)	Date Reduction Option Implemented (mo/yr)	Quantity Emitted from prior annual report to DAQ (lb/yr)	Quantity Emitted from current annual report to DAQ (lb/yr)		Has reduction activity been discontinued? If so, when was it discontinued? (mo/yr)
coal fired boiler ES1 and fleets	NOx	C-16 & C-10	Jun-04	1.98E+06	1.87E+06	Dec-04	Fleet idling improvements and boiler improvements
				n/a			

Comments:

FACILITY - WIDE REDUCTIONS & RECYCLING ACTIVITIES		Any Reductions or Recycling Activities in the past year? () YES () NO				Addition detail about source	
Source Description or Activity	Pollutant or Recycled or Reduced Materials	Enter Code for Emission Reduction Option (See Codes)	Date Reduction Option Implemented (mo/yr)	Quantity Emitted from prior annual report	Quantity Emitted from current annual report		Has reduction activity been discontinued? If so, when was it discontinued? (mo/yr)
Energy Conservation and Implemented EMS	Reduced Electric and raw material usage	C14 & C18	Jan-06	500,000 kWh/yr raw materials 100 tons/yr	300,000 kWh/yr raw materials 80 tons/yr	NO	Through implementation of an EMS reduced energy use
				n/a			

Comments:

The requested information above shall be used for fulfilling the requirements of North Carolina General Statute 143-215.108(g). The permit holder shall submit to the Department a written description of current and projected plans to reduce the emissions of air pollutants by source reduction or recycling. The written description shall accompany any application for a new permit, modification of an existing permit and for each annual air quality permit fee payment. Source reduction is defined as reducing the amount of any hazardous substance, pollutant, or contaminant entering any waste stream or otherwise released into the environment (including fugitive emissions) prior to recycling, treatment, or disposal. If no activity has taken place since the previous report, simply indicate so by checking the no box in that section. Once completed, this form should be submitted along with your fee payment. Examples are listed on the first line of each section of the form for your benefit.



FORM B

SPECIFIC EMISSIONS SOURCE INFORMATION (REQUIRED FOR ALL SOURCES)

NCDENR/Division of Air Quality - Application for Air Permit to Construct/Operate

REVISED 12/01/01

B

EMISSION SOURCE DESCRIPTION: Methyl bromide emissions from fumigation of import/export commodities in shipping containers or in bulk, subject to USDA APHIS direct supervision.	EMISSION SOURCE ID NO: ES-1
CONTROL DEVICE ID NO(S):	

OPERATING SCENARIO <u>1</u> OF <u>1</u>	EMISSION POINT (STACK) ID NO(S): N/A
---	--------------------------------------

DESCRIBE IN DETAIL THE EMISSION SOURCE PROCESS (ATTACH FLOW DIAGRAM): Please see the attached Exhibit B1 & B9

TYPE OF EMISSION SOURCE (CHECK AND COMPLETE APPROPRIATE FORM B1-B9 ON THE FOLLOWING PAGES):

<input type="checkbox"/> Coal, wood, oil, gas, other burner (Form B1)	<input type="checkbox"/> Woodworking (Form B4)	<input type="checkbox"/> Manufact. of chemicals/coatings/inks (Form B7)
<input type="checkbox"/> Int. combustion engine/generator (Form B2)	<input type="checkbox"/> Coating/finishing/printing (Form B5)	<input type="checkbox"/> Incineration (Form B8)
<input type="checkbox"/> Liquid storage tanks (Form B3)	<input type="checkbox"/> Storage silos/bins (Form B6)	<input checked="" type="checkbox"/> Other (Form B9)

START CONSTRUCTION DATE: 7/1/2013	OPERATION DATE: 7/1/2013	DATE MANUFACTURED:
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MANUFACTURER / MODEL NO.:	EXPECTED OP. SCHEDULE: <u>8</u> HR/DAY <u>5</u> DAY/WK <u>52</u> WK/YR
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IS THIS SOURCE SUBJECT TO? NSPS (SUBPART?): <u>no</u>	NESHAP (SUBPART?): <u>no</u>	MACT (SUBPART?): <u>no</u>
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PERCENTAGE ANNUAL THROUGHPUT (%): DEC-FEB <u>30</u>	MAR-MAY <u>30</u>	JUN-AUG <u>20</u>	SEP-NOV <u>20</u>
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EXPECTED ANNUAL HOURS OF OPERATION: <u>2000</u>	VISIBLE STACK EMISSIONS UNDER NORMAL OPERATION: <u>0</u> % OPACITY
---	--

CRITERIA AIR POLLUTANT EMISSIONS INFORMATION FOR THIS SOURCE

AIR POLLUTANT EMITTED	SOURCE OF EMISSION FACTOR	EXPECTED ACTUAL (AFTER CONTROLS / LIMITS)		POTENTIAL EMISSIONS			
		lb/hr	tons/yr	(BEFORE CONTROLS / LIMITS)		(AFTER CONTROLS / LIMITS)	
				lb/hr	tons/yr	lb/hr	tons/yr
PARTICULATE MATTER (PM)							
PARTICULATE MATTER <10 MICRONS (PM ₁₀)							
PARTICULATE MATTER <2.5 MICRONS (PM _{2.5})							
SULFUR DIOXIDE (SO ₂)							
NITROGEN OXIDES (NO _x)							
CARBON MONOXIDE (CO)							
VOLATILE ORGANIC COMPOUNDS (VOC) methyl bromide	100% emitted	32.42	140	32.42	140	32.42	140
LEAD							
OTHER							

HAZARDOUS AIR POLLUTANT EMISSIONS INFORMATION FOR THIS SOURCE

HAZARDOUS AIR POLLUTANT AND CAS NO.	SOURCE OF EMISSION FACTOR	EXPECTED ACTUAL (AFTER CONTROLS / LIMITS)		POTENTIAL EMISSIONS			
		lb/hr	tons/yr	(BEFORE CONTROLS / LIMITS)		(AFTER CONTROLS / LIMITS)	
				lb/hr	tons/yr	lb/hr	tons/yr
Methyl bromide (74-83-9)	100% emitted	32.42	140	32.42	140	32.42	140

These calculations result from dividing 140 tons/284,000 lbs. by 8,760 hours to compute average lbs. per hour over the course of a year. It should be noted, though, that the operation actually involves considerable down-time, as the fumigant is injected into the containers and then held for an exposure period of from 16-72 hours before the remaining fumigant is aerated.

TOXIC AIR POLLUTANT EMISSIONS INFORMATION FOR THIS SOURCE

INDICATE EXPECTED ACTUAL EMISSIONS AFTER CONTROLS / LIMITATIONS

TOXIC AIR POLLUTANT AND CAS NO.	EF SOURCE	lb/hr	lb/day	lb/yr
		n/a		

Attachments: (1) emissions calculations and supporting documentation; (2) indicate all requested state and federal enforceable permit limits (e.g. hours of operation, emission rates) and describe how these are monitored and with what frequency; and (3) describe any monitoring devices, gauges, or test ports for this source.

COMPLETE THIS FORM AND COMPLETE AND ATTACH APPROPRIATE B1 THROUGH B9 FORM FOR EACH SOURCE
Attach Additional Sheets As Necessary

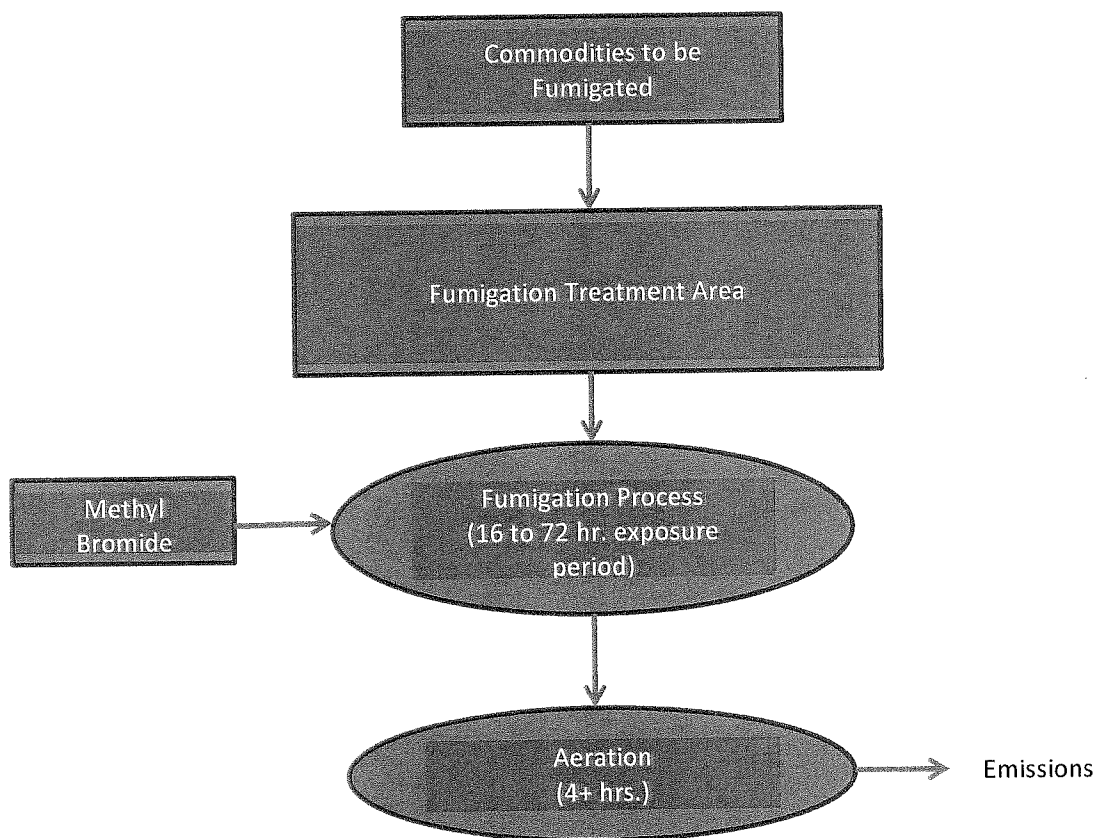
**EXHIBITS B1 & B9
To Application of Royal Pest Solutions**

DESCRIPTION OF EMISSION SOURCE PROCESS

DESCRIBE IN DETAIL THE EMISSION SOURCE PROCESS (ATTACH FLOW DIAGRAM):

Import and export commodities in bulk are treated with methyl bromide gas pursuant to USDA quarantine mandate (for imports) or USDA certification of pre-shipment treatments required by other countries (for exports). Bulk commodities are stacked on an impermeable surface in lots of approximately 100,000 to 150,000 cu.ft. each. Fans, monitoring and gas lines are placed within the stacked commodity, and each lot of bulk commodity is covered by a plastic tarpaulin. Fumigant is injected into the enclosures formed by the "tarps" through the gas lines and held for an exposure period of 16-72 hours. Aeration is accomplished by venting under the tarps until an acceptable concentration limit is reached, then the tarps are removed and aeration continues until an acceptable level is reached within the breathing space around the bulk commodity. The bulk commodity is either loaded into shipping containers or directly into the hull of a ship. Aeration is to the general atmosphere.

Process Flow Diagram



FORM B9

EMISSION SOURCE (OTHER)

REVISED: 12/01/01

NCDENR/Division of Air Quality - Application for Air Permit to Construct/Operate

B9

EMISSION SOURCE DESCRIPTIC Methyl Bromide emissions from fumigation operations.	EMISSION SOURCE ID NO: ES-1
OPERATING SCENARIO: _____1_____ OF _____1_____	CONTROL DEVICE ID NO(S): N/A
EMISSION POINT (STACK) ID NO(S): N/A	

DESCRIBE IN DETAIL THE PROCESS (ATTACH FLOW DIAGRAM): Please see the attached Exhibits B1 & B9.

MATERIALS ENTERING PROCESS - CONTINUOUS PROCESS		MAX. DESIGN CAPACITY (UNIT/HR)	REQUESTED CAPACITY LIMITATION(UNIT/HR)
TYPE	UNITS		
N/A			

MATERIALS ENTERING PROCESS - BATCH OPERATION		MAX. DESIGN CAPACITY (UNIT/BATCH)	REQUESTED CAPACITY LIMITATION (UNIT/BATCH)
TYPE	UNITS		
Methyl bromide injected into tarped enclosures	tarped enclosure	0.16 per hour	6.19 units per week
	144,000 cu.ft.		

* The data for tarped enclosures assumes that 140 tons of methyl bromide would be used/emitted in one year's time.

MAXIMUM DESIGN (BATCHES / HOUR): 0.16	
REQUESTED LIMITATION (BATCHES / HOUR): same as above (BATCHES/YR):	322 tarped enclosures*
FUEL USED: N/A	TOTAL MAXIMUM FIRING RATE (MILLION BTU/HR): N/A
MAX. CAPACITY HOURLY FUEL USE: N/A	REQUESTED CAPACITY ANNUAL FUEL USE: N/A

COMMENTS:

FORM D3 MODELING REQUEST FORMS

REVISED: 06/11/09

NCDENR/Division of Air Quality - Application for Air Permit to Construct/Operate

D3

4. SITE DATA

A detailed site diagram must be submitted and should include all of the information listed below:

- Property boundaries
- Scale and true north indicator
- All existing and proposed buildings or structures on site
- Locations of all emission sources (existing and proposed) listed in Section 2, Page 1 of Form D3
- All public rights-of-way traversing the property (e.g. roads, railroad tracks, rivers, etc.)
- UTM coordinates or latitude/longitude of at least one point (e.g. source or building corner)

A USGS Contour Map must also be submitted with the location of your facility clearly designated.

A certified plat map from County Register of Deeds or a signed survey map.

5. BUILDING DATA N/A List each building. List tiers of different heights on a single building as separate buildings.

Building ID						
Building Description						
Building Height (ft or m)	N/A					
Building Length (ft or m)						
Building Width (ft or m)						

6. MISCELLANEOUS DATA

Facility Operating Limits
(Operating hours, fuel limits,
or other enforceable limits)

If an operating schedule is not given, continuous operations will be assumed (i.e. 24 hours/day, 8760 hours/year).

Note: if compliance is demonstrated using the above facility operating limits, these limits will be imposed as a permit restriction.

7. FACILITY IDENTIFICATION

Facility Name: _____

Facility ID: _____

Facility Address Street: _____

City: _____

County: N/A _____

Point of Contact Name: _____

Title: _____

Phone: _____

Email: _____

FORM D

TECHNICAL ANALYSIS TO SUPPORT PERMIT APPLICATION

REVISED: 12/01/01

NCDENR/Division of Air Quality - Application for Air Permit to Construct/Operate

D5

PROVIDE DETAILED TECHNICAL CALCULATIONS TO SUPPORT ALL EMISSION, CONTROL, AND REGULATORY DEMONSTRATIONS MADE IN THIS APPLICATION. INCLUDE A COMPREHENSIVE PROCESS FLOW DIAGRAM AS NECESSARY TO SUPPORT AND CLARIFY CALCULATIONS AND ASSUMPTIONS. ADDRESS THE FOLLOWING SPECIFIC ISSUES ON SEPARATE PAGES:

- A SPECIFIC EMISSIONS SOURCE (EMISSION INFORMATION) (FORM B) -** SHOW CALCULATIONS USED, INCLUDING EMISSION FACTORS, MATERIAL BALANCES, AND/OR OTHER METHODS FROM WHICH THE POLLUTANT EMISSION RATES IN THIS APPLICATION WERE DERIVED. INCLUDE CALCULATION OF POTENTIAL BEFORE AND, WHERE APPLICABLE, AFTER CONTROLS. CLEARLY STATE ANY ASSUMPTIONS MADE AND PROVIDE ANY REFERENCES AS NEEDED TO SUPPORT MATERIAL BALANCE CALCULATIONS.
- B SPECIFIC EMISSION SOURCE (REGULATORY INFORMATION)(FORM E2 - TITLE V ONLY) -** PROVIDE AN ANALYSIS OF ANY REGULATIONS APPLICABLE TO INDIVIDUAL SOURCES AND THE FACILITY AS A WHOLE. INCLUDE A DISCUSSION OUTING METHODS (e.g. FOR TESTING AND/OR MONITORING REQUIREMENTS) FOR COMPLYING WITH APPLICABLE REGULATIONS, PARTICULARLY THOSE REGULATIONS LIMITING EMISSIONS BASED ON PROCESS RATES OR OTHER OPERATIONAL PARAMETERS. PROVIDE JUSTIFICATION FOR AVOIDANCE OF ANY FEDERAL REGULATIONS (PREVENTION OF SIGNIFICANT DETERIORATION (PSD), NEW SOURCE PERFORMANCE STANDARDS (NSPS), NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAPS), TITLE V), INCLUDING EXEMPTIONS FROM THE FEDERAL REGULATIONS WHICH WOULD OTHERWISE BE APPLICABLE TO THIS FACILITY. SUBMIT ANY REQUIRED TO DOCUMENT COMPLIANCE WITH ANY REGULATIONS. INCLUDE EMISSION RATES CALCULATED IN ITEM "A" ABOVE, DATES OF MANUFACTURE, CONTROL EQUIPMENT, ETC. TO SUPPORT THESE CALCULATIONS.
- C CONTROL DEVICE ANALYSIS (FORM C) -** PROVIDE A TECHNICAL EVALUATION WITH SUPPORTING REFERENCES FOR ANY CONTROL EFFICIENCIES LISTED ON SECTION C FORMS, OR USED TO REDUCE EMISSION RATES IN CALCULATIONS UNDER ITEM "A" ABOVE. INCLUDE PERTINENT OPERATING PARAMETERS (e.g. OPERATING CONDITIONS, MANUFACTURING RECOMMENDATIONS, AND PARAMETERS AS APPLIED FOR IN THIS APPLICATION) CRITICAL TO ENSURING PROPER PERFORMANCE OF THE CONTROL DEVICES). INCLUDE AND LIMITATIONS OR MALFUNCTION POTENTIAL FOR THE PARTICULAR CONTROL DEVICES AS EMPLOYED AT THIS FACILITY. DETAIL PROCEDURES FOR ASSURING PROPER OPERATION OF THE CONTROL DEVICE INCLUDING MONITORING SYSTEMS AND MAINTENANCE TO BE PERFORMED.
- D PROCESS AND OPERATIONAL COMPLIANCE ANALYSIS - (FORM E3 - TITLE V ONLY) -** SHOWING HOW COMPLIANCE WILL BE ACHIEVED WHEN USING PROCESS, OPERATIONAL, OR OTHER DATA TO DEMONSTRATE COMPLIANCE. REFER TO COMPLIANCE REQUIREMENTS IN THE REGULATORY ANALYSIS IN ITEM "B" WHERE APPROPRIATE. LIST ANY CONDITIONS OR PARAMETERS THAT CAN BE MONITORED AND REPORTED TO DEMONSTRATE COMPLIANCE WITH THE APPLICABLE REGULATIONS.

E PROFESSIONAL ENGINEERING SEAL - PURSUANT TO 15A NCAC 2Q .0112 "APPLICATION REQUIRING A PROFESSIONAL ENGINEERING SEAL," A PROFESSIONAL ENGINEER REGISTERED IN NORTH CAROLINA SHALL BE REQUIRED TO SEAL TECHNICAL PORTIONS OF THIS APPLICATION FOR NEW SOURCES AND MODIFICATIONS OF EXISTING SOURCES. (SEE INSTRUCTIONS FOR FURTHER APPLICABILITY).

I, N/A, attest that this application for N/A has been reviewed by me and is accurate, complete and consistent with the information supplied in the engineering plans, calculations, and all other supporting documentation to the best of my knowledge. I further attest that to the best of my knowledge the proposed design has been prepared in accordance with the applicable regulations. Although certain portions of this submittal package may have been developed by other professionals, inclusion of these materials under my seal signifies that I have reviewed this material and have judged it to be consistent with the proposed design. Note: In accordance with NC General Statutes 143-215.6A and 143-215.6B, any person who knowingly makes any false statement, representation, or certification in any application shall be guilty of a Class 2 misdemeanor which may include a fine not to exceed \$10,000 as well as civil penalties up to \$25,000 per violation.

(PLEASE USE BLUE INK TO COMPLETE THE FOLLOWING)

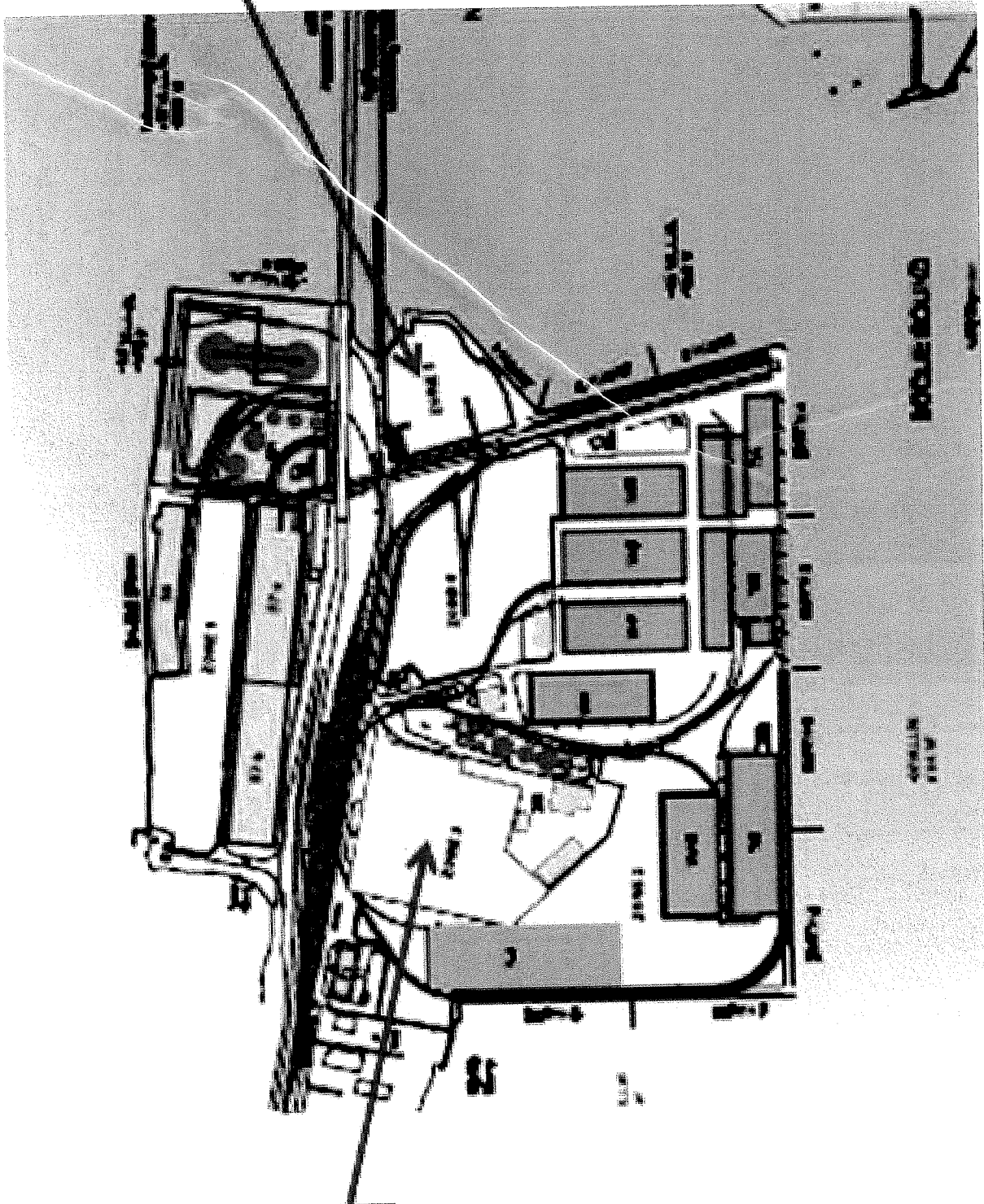
NAME: _____
 DATE: _____
 COMPANY: _____
 ADDRESS: N/A _____
 TELEPHONE: _____
 SIGNATURE: _____
 PAGES CERTIFIED: _____

(IDENTIFY ABOVE EACH PERMIT FORM AND ATTACHMENT THAT IS BEING CERTIFIED BY THIS SEAL)

PLACE NORTH CAROLINA SEAL HERE

N/A

CITY OF MOREHEAD CITY



Fumigation area

Fumigation area

Received

JUL - 8 2013

Air Permits Section

Zoning Consistency Determination

Facility Name Port of Morehead City, North Carolina Fumigation Operations

Facility Street Address 113 Arendell Street

Facility City Morehead City

Description of Process Fumigation of import/export commodities

SIC/NAICS Code 7342/561710

Facility Contact Anne Bookout, Vice President & General Counsel

Phone Number 302-613-5242

Mailing Address 53 McCullough Drive

Mailing City, State Zip New Castle, DE 19720

Based on the information given above:

- I have received a copy of the air permit application (draft or final) AND...
- There are no applicable zoning ordinances for this facility at this time
- The proposed operation IS consistent with applicable zoning ordinances
- The proposed operation IS NOT consistent with applicable zoning ordinances
(please include a copy of the rules in the package sent to the air quality office)
- The determination is pending further information and can not be made at this time
- Other: _____

Agency Town of Morehead City

Name of Designated Official Linda Staab

Title of Designated Official & Phone No. Planning Director 252-726-6848 x121

Signature Linda V. Staab

Date 7/2/2013

Please forward to the facility mailing address listed above and the air quality office at the appropriate address as checked on the back of this form.