M E M O R A N D U M

DATE: February 3, 2012

TO: Richard D. Garrity, Ph.D.

FROM: Lora Webb **THRU**: Stephen Hathaway, P.E.
Sterlin K. Woodard, P.E.

SUBJECT: Concurrent Construction and Operation Permit - CF Industries, Inc., Tampa Ammonia Terminal
Permit Nos. 0570003-006-AC and 0570003-007-AO

Attached is Draft Permit No. 05700003-006-AC and Permit No. 0570003-007-AO for CF Industries, Inc., Tampa Ammonia Terminal. This project authorizes construction of four additional railcar loading arms at an ammonia storage, handling, and distribution facility located at 3222 Maritime Boulevard, Tampa, FL 33605. Because the facility will not be required to perform any compliance testing once the additional loading arms are constructed, the permits are being issued concurrently. The permit application for these projects was received on January 25, 2012.

The operations at the facility currently include ship unloading of ammonia, a 38,500 ton ammonia storage tank, a 20.92 MMBtu/hr boiler, 4 loading arms for truck loading, and 5 existing loading arms for railcar loading. The boiler, a 20.92 MMBtu/hr Cleaver Brooks, Model No. CB-200-500, Serial No. L-62369, manufactured in 1977 is used to produce steam for heating the anhydrous ammonia to the required temperature for shipping. The boiler is capable of being fired on natural gas with No. 2 distillate fuel oil as a backup. Presently, CF Industries is receiving their steam through a water loop from the Howard F. Curren Wastewater Treatment Plant which eliminates the need for the boiler for the majority of the time. Due to non-routine maintenance and inspection activities that are scheduled to take place in the near future, CF Industries may bring a portable back-up flare and/or boiler on-site while the inspection and maintenance activities are occurring. The portable flare and boiler will be of comparable size to the existing equipment at the facility. The portable equipment is exempt from permitting, pursuant to Rule 62-210.300(3)(b)1., F.A.C., since the emissions are less than 5 tpy (1.8 tpy NOx and 1.1 tpy CO), based on 3,000 hours of operation. The inspection and maintenance period is expected to last for approximately four (4) months.

The facility's potential to emit NOx and CO are 14.5 TPY and 10.4, respectively. The facility is

subject to the requirements of Rule 62-296.320, General Pollutant Emission Limiting Standards, F.A.C.

Also, there is a diesel fueled reciprocating internal combustion engine (RICE) at the site to provide backup power during an emergency. The 2,168 hp diesel engine (Model 3516, SN: 25Z05969) was manufactured in February 1998 and shipped to this site in March 1998. Therefore, this diesel engine is not subject to NSPS Subpart IIII (*Standards of Performance for Stationary Compression Ignition Internal Combustion Engines*) since it was manufactured before April 1, 2006. Also, this CI RICE is exempt from permitting pursuant to Rule 62-210.300(3)(a)35.h. - Stationary Reciprocating Internal Combustion Engines, Categorical and Conditional Exemptions, F.A.C. However, this CI RICE is subject to 40 CFR 63 Subpart ZZZZ (*National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines*) pursuant to 40 CFR 63.6590, and shall comply with the requirements of Table 2d.4 in the Subpart ZZZZ pursuant to 40 CFR 63.6603(a) [75 FR 9675, Mar. 3, 2010, as amended at 75 FR 51589, Aug. 20, 2010; 75 FR 12866, Mar. 9, 2011]. The main requirements of Subpart ZZZZ are to perform the prescribed operation and maintenance on the engine, as outlined in Specific Condition No. 15, and comply with the fuel sulfur requirements of 40 CFR 80.510(b) which establishes a maximum concentration of 15 ppm sulfur.

Based on our review, we recommend the issuance of the attached permits as drafted.

LAW: 05700003-006-AC and 0570003-007-AO

TECHNICAL EVALUATION

AND

PRELIMINARY DETERMINATION

FOR

CF Industries, Inc.

Hillsborough County

Construction Permit

Application Number

0570003-006-AC

Environmental Protection Commission of

Hillsborough County

Tampa, FL

February 3, 2012

I. Project Description

A. Applicant:

Lynne Vadelund
Manager of Operations
CF Industries, Inc.
2520 Guy Verger Blvd.
Tampa, Fl 33605

B. Engineer:

John B. Koogler, P.E.
P.E. No.: 12925
Koogler and Associates, Inc.
4014 NW 13th Street
Gainesville, FL 32609

C. Project and Location:

This project authorizes construction of four additional railcar loading arms at an ammonia storage, handling, and distribution facility. The project has been assigned NEDS Source Classification Code No. 3-99-999-96 for Industrial Processes, Miscellaneous Manufacturing Industries, Miscellaneous Industrial Processes, Other Not Classified. The Standard Industrial Code for the project is No. 51 for Wholesale Trade - Nondurable Goods. The facility is located at 3222 Maritime Boulevard, Tampa, FL 33605. UTM Coordinates of the location are 17-358.1E and 3090.4N.

D. Process and Controls:

This permit authorizes construction of four additional railcar loading arms at an anhydrous ammonia storage, handling, and distribution facility. Because the facility will not be required to perform any compliance testing once the additional loading arms are constructed, Permit Nos. 057003-006-AC and 0570003-007-AO are being issued concurrently. The ammonia is unloaded from ships and is transferred via a 16" pipeline to a 38,500 ton, fixed roof, low pressure, storage tank. The ammonia is transferred from the storage tank via pipeline into trucks and/or railcars for shipment offsite. There are four existing loading arms for the truck loading operation and five existing loading arms for the railcar loading operation. Ammonia also can be shipped offsite via pipeline. There is an 8-inch, 8.8 MMBtu/hr flare on the roof of the storage tank to flare off ammonia vapor from the tank/refrigeration system and a 3-inch, 0.5 MMBtu/hr flare to flare off ammonia vapor from the truck and railcar loading operations. Both flares are fueled with propane, which is stored in a 6,565 gallon horizontal bullet.

A 20.92 MMBtu/hr, Cleaver Brooks, Model CB-200-500, SN: L-62369, boiler manufactured in 1977 is used as a backup heat source to produce steam for heating the anhydrous ammonia

to the required temperature for shipping. The primary heat source is a water recirculation loop between the Howard F. Curren Wastewater Treatment Plant and the Tampa Ammonia Terminal. The boiler is fired on natural gas with No. 2 distillate fuel oil as a backup. Due to non-routine maintenance and inspection activities that are scheduled to take place in the near future, CF Industries may bring a portable back-up flare and/or boiler on-site while the inspection and maintenance activities are occurring. The portable flare and boiler will be of comparable size to the existing equipment at the facility. The portable equipment is exempt from permitting, pursuant to Rule 62-210.300(3)(b)1., F.A.C., since the emissions are less than 5 tpy (1.8 tpy NOx and 1.1 tpy CO), based on 3,000 hours of operation. The inspection and maintenance period is expected to last for approximately four (4) months.

Also, there is a diesel fueled reciprocating internal combustion engine (RICE) at the site to provide backup power during an emergency. The 2,168 hp diesel engine (Model 3516, SN: 25Z05969) was manufactured in February 1998 and shipped to this site in March 1998. Therefore, this diesel engine is not subject to NSPS Subpart IIII (*Standards of Performance for Stationary Compression Ignition Internal Combustion Engines*) since it was manufactured before April 1, 2006. Also, this CI RICE is exempt from permitting pursuant to Rule 62-210.300(3)(a)35.h. - Stationary Reciprocating Internal Combustion Engines, Categorical and Conditional Exemptions, F.A.C. However, this CI RICE is subject to 40 CFR 63 Subpart ZZZZ (*National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines*) pursuant to 40 CFR 63.6590, and shall comply with the requirements of Table 2d.4 in the Subpart ZZZZ pursuant to 40 CFR 63.6603(a) [75 FR 9675, Mar. 3, 2010, as amended at 75 FR 51589, Aug. 20, 2010; 75 FR 12866, Mar. 9, 2011]. The main requirements of Subpart ZZZZ are to perform the prescribed operation and maintenance on the engine and comply with the fuel sulfur requirements of 40 CFR 80.510(b) which establishes a maximum concentration of 15 ppm sulfur.

E. Application Information:

Received on: January 25, 2012
Information Requested: N/A
Application Complete: January 25, 2012

II. Rule Applicability

This project is subject to the preconstruction review requirements of Chapter 403, Florida Statutes, Chapters, 62-204, 62-210, 62-212, 62-296, and 62-297, Florida Administrative Code (F.A.C.) and Chapter 1-3 of the Rules of the Environmental Protection Commission of Hillsborough County.

This project is subject to the requirements of Rule 62-212.300, General Preconstruction Review Requirements, F.A.C., since the project is not exempt from the permit requirements in Rule 62-210.300, F.A.C.

This project is not subject to the requirements of Rule 62-212.400, Prevention of Significant Deterioration, F.A.C. or Rule 62-212.500, New Source Review for Nonattainment Areas, F.A.C. since the facility is a Non-TV facility by state definition.

This project is not subject to the requirements of Rule 62-213, Operation Permits for Major Sources of Air Pollution, F.A.C., since the facility is a Non-TV facility by state definition.

This project is subject to the requirements of Rule 62-296.320, General Pollutant Emission Limiting Standards, F.A.C., since the project is a potential source of particulate matter (PM) emissions and a potential source of odor.

This project is not subject to the requirements of Rule 62-296.340, through 62-296.470, Specific Emission Limiting and Performance Standards, F.A.C., since there is no applicable source specific category in this rule.

This project is not subject to the requirements of Rule 62-296.500, Volatile Organic Compounds and Nitrogen Oxides Reasonably Available Control Technology, F.A.C., since there is no applicable source specific category in this rule.

This project is not subject to the requirements of Rule 62-296.600, Reasonably Available Control Technology - Lead, F.A.C., since there is no applicable source specific category in this rule.

This project is not subject to the requirements of Rule 62-296.700, Reasonably Available Control Technology – Particulate Matter, F.A.C., since there is no applicable source specific category in this rule.

This project is not subject to the requirements of Rule 62-204.800, Federal Regulations Adopted by Reference, F.A.C., since there is not an applicable source specific category in this rule. However, the facility is subject to 40 CFR 63 Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

This project is subject to the requirements of Chapter 84-446, Laws of Florida and Chapter 1-3, Rules of the Environmental Protection Commission of Hillsborough County.

III. Summary of Emissions

Potential Criteria Pollutants

Emission Unit (EU) No.	EU Description	PM (tpy)	NO_x (tpy)	SO_2 (tpy)	CO (tpy)	VOC (tpy)	Allowable	Opacity
001	Boiler	0.7	9.1	1.3	7.3	0.5	--	20%
002	Ammonia Facility	0.3	5.4	0.07	3.1	0.4	--	--
	Potential to Emit	**1.0**	**14.5**	**1.4**	**10.4**	**0.9**	--	--

Inventory of Title III pollutants is estimated to be less than 10 TPY individually and less than 25 TPY collectively.

- For EU No. 001, the emission calculations assume that the boiler operates 8,300 hours/year on natural gas and 400 hours/year on No. 2 fuel oil.
- For EU No. 002, the emission calculations assume that the storage tank flare and the truck and railcar loading flare both operate 8,760 hours/year.

IV. Conclusions:

The emission limits proposed by the applicant will meet all of the requirements of Chapters 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C., and Chapter 1-3, Rules of the Commission.

The General and Specific Conditions listed in the proposed permit (attached) will assure compliance with all the applicable requirements of Chapters 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C.

V. Proposed Agency Action:

Pursuant to Section 403.087, Florida Statutes and Rule 62-4.070, Florida Administrative Code the Environmental Protection Commission of Hillsborough County hereby gives notice of its intent to issue a permit to construct the aforementioned air pollution source in accordance with the draft permit and its conditions as stipulated (see attached).

CERTIFIED MAIL

In the Matter of an
Application for Permit by:

Lynne Vadelund
Manager of Operations
CF Industries, Inc.
2520 Guy Verger Blvd.
Tampa, Fl 33605

File No.: 0570003-006-AC
County: Hillsborough

INTENT TO ISSUE

The Environmental Protection Commission of Hillsborough County (EPC), as delegated by the Florida Department of Environmental Protection (DEP) gives notice of its intent to issue a permit (copy attached) for the proposed project as detailed in the application specified above, for the reasons stated below.

The applicant, CF Industries, Inc., applied on January 25, 2012 to the EPC to authorize construction of four additional railcar loading arms at an anhydrous ammonia storage, handling, and distribution facility. The ammonia is received by ship and loaded out by truck or railcar. A 0.5 MMBtu/hr flare is used to flare off ammonia vapors from the truck and railcar loading operations as necessary. The facility is located at 3222 Maritime Blvd., Tampa, Hillsborough County, FL 33605.

The EPC has permitting jurisdiction under Chapter 403 Florida Statutes (F.S.) and Florida Administrative Code (F.A.C.) Chapters 62-4 and 62-210. The project is not exempt from permitting procedures. The EPC has determined that an air pollution construction permit is required to commence or continue operations at the described facility.

The EPC intends to issue this permit based on the belief that reasonable assurances have been provided to indicate that operation of the source will comply with the appropriate provisions of Florida Administrative Code (F.A.C.) Chapters 62-204 through 62-297 and 62-4.

Pursuant to Pursuant to Section 403.815 and 403.0872, F.S. and Rules 62-103.150 and

62-210.350(3), F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue Permit. The notice shall be published one time as soon as possible, in the legal advertisement section of a newspaper of general circulation in the area affected. For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used must be one with significant circulation in the area that may be affected by the permit. If you are uncertain that a newspaper meets these requirements, please contact the EPC at the address or telephone number listed below. **The applicant shall provide proof of publication to the EPC, Air Permitting Section, at 3629 Queen Palm Drive, Tampa, Florida 33619 (Phone 813-627-2600 - FAX 813-627-2660) within 7 (seven) days of publication.** Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit pursuant to Rule 62-103.150(6), F.A.C.

The EPC will issue the final permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Section 120.569 and 120.57 F.S. before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Legal Department of the EPC at 3629 Queen Palm Drive, Tampa, Florida 33619, Phone 813-627-2600, Fax 813-627-2602. Petitions filed by the permit applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), however, any person who asked the EPC for notice of agency action may file a petition within 14 (fourteen) days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S.; or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the EPC's action is based must contain the following information:

(a) The name and address of each agency affected and each agency's file or identification number if known;

(b) The name, address, and telephone number of the petitioner and the name, address, and telephone number of each petitioner's representative, if any, which shall be the address for service purposes during the course of the proceedings; and an explanation of how the petitioner's substantial interests will be affected by the EPC's determination;

(c) A statement of how and when the petitioner received notice of the EPC action;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner

contends warrant reversal or modification of the EPC's proposed action;

(f) A statement of specific rules or statutes the petitioner contends requires reversal or modification of the EPC's proposed action; and

(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the EPC to take with respect to the EPC's proposed action.

A petition that does not dispute the material facts upon which the EPC's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the EPC's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the EPC on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under section 120.573, F.S. is not available in this proceeding.

This action is final and effective on the date filed with the Clerk of the EPC unless a petition is filed in accordance with above. Upon the timely filing of a petition, this order will not be effective until further order of the EPC.

In addition to the above, a person subject to regulation has a right to apply to the Department of Environmental Protection for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542, F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, FL 32399-3000. The petition must specify the following information:

(a) The name, address, and telephone number of the petitioner,

(b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any,

(c) Each rule or portion of a rule from which a variance or waiver is requested,

(d) The citation to the statute underlying (implemented by) the rule identified in (c) above,

(e) The type of action requested,

(f) The specific facts that would justify a variance or waiver for the petitioner,

(g) The reason by the variance or waiver would serve the purposes of the underlying statute (implemented by the rule), and

(h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the

application of the rule would create a substantial hardship or violate principles of fairness, as each of the those terms is defined in Section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of United States Environmental Protection Agency and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

Any person listed below may request to obtain additional information, a copy of the application (except for information entitled to confidential treatment pursuant to Section 403.111, F.S.), all relevant supporting materials, and all other materials available to the EPC that are relevant to the permit decision. Interested persons may contact Stephen Hathaway, P.E., at the above address or call (813) 627-2600, for additional information.

Any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statues, by filing a notice of appeal under rule 9.110 of the Florida rules of Appellate Procedure with the EPC's Legal Office at 3629 Queen Palm Dr., Tampa, Florida 33619 and with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Tampa, Florida

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

_____

Richard D. Garrity, Ph.D.
Executive Director

cc: Florida Department of Environmental Protection (via email)
John B. Koogler, P.E. – Koogler and Associates, Inc. (via email)

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT ISSUANCE and all copies were mailed before the close of business on _____ to the listed persons.

FILING AND ACKNOWLEDGEMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statues, with the clerk, receipt of which is hereby acknowledged.

_____ _____
Clerk Date

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY
NOTICE OF INTENT TO ISSUE PERMIT

The Environmental Protection Commission of Hillsborough County (EPC), as delegated by the Florida Department of Environmental Protection (DEP), gives notice of its intent to issue an air pollution Permit No. 0570003-006-AC to CF Industries, Inc. The applicant applied on January 25, 2012 to the EPC to authorize the construction of four additional railcar loading arms at an anhydrous ammonia storage, handling, and distribution facility. The ammonia is received by ship and loaded out by truck or railcar. A 0.5 MMBtu/hr flare is used to flare off ammonia vapors from the truck and railcar loading operations as necessary. The facility is located at 3222 Maritime Blvd., Tampa, Hillsborough County, FL, 33605.

A Best Available Control Technology (BACT) determination was not required.

The EPC will issue the Final permit with the conditions of the DRAFT permit unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57, F.S. before the deadline for filing a petition. The procedures for petitioning for hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Legal Department of the EPC at 3629 Queen Palm Drive, Tampa, Florida 33619, Phone 813-627-2600, Fax 813-627-2602. Petitions filed by the permit applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), however, any person who asked the EPC for notice of agency action may file a petition within 14 (fourteen) days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the F.A.C.

A petition that disputes the material facts on which the EPC's action is based must contain the following information:

(a) The name and address of each agency affected and each agency's file or identification number if known;

(b) The name, address, and telephone number of the petitioner, and the name, address, and telephone number of each petitioner's representative, if any, which shall be the address for service purposes during the course of the proceedings; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;

(c) A statement of how and when petitioner received notice of the EPC action;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the EPC proposed action;

(f) A statement of specific rules or statutes the petitioner contends requires reversal or modification of the EPC's proposed action; and

(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the EPC to take with respect to the EPC's proposed action.

A petition that does not dispute the material facts upon which the EPC's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above as required by Rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the EPC's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the EPC on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under section 120.573, F.S. is not available in this proceeding.

This action is final and effective on the date filed with the Clerk of the EPC unless a petition is filed in accordance with above. Upon the timely filing of a petition this order will not be effective until further order of the EPC.

Any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statues, by filing a notice of appeal under rule 9.110 of the Florida rules of Appellate Procedure with the EPC's Legal Office at 3629 Queen Palm Drive, Tampa, Florida 33619 and with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

The complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Environmental Protection Commission of Hillsborough County, 3629 Queen Palm Drive, Tampa, Florida 33619. The complete project file includes the proposed Permit, the application, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact Stephen Hathaway, P.E., at the above address, or call 813-627-2600, for additional information. Any written comments filed shall be available for public inspection. If written comments received result in a significant change in the proposed agency action, the EPC shall revise the proposed permit and require, if applicable, another Public Notice.

ENVIRONMENTAL PROTECTION COMMISSION OF
HILLSBOROUGH COUNTY, as Delegated by

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF PERMIT

Lynne Vadelund
Manager of Operations
CF Industries, Inc.
2520 Guy Verger Blvd.
Tampa, FL 33605

Re: Hillsborough County - AP

Dear Mr. Vadelund:

Enclosed is Permit Number 0570003-006-AC to authorize the construction of four additional railcar loading arms at an anhydrous ammonia storage, handling, and distribution facility, issued pursuant to Section 403.087, Florida Statutes.

Any party to this order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the EPC in the Legal Department at 3629 Queen Palm Drive, Tampa, Florida 33619; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this Notice is filed with the clerk of the EPC.

Executed in Tampa, Florida.

Sincerely,

Richard D. Garrity, Ph.D.
Executive Director

RDG/LAW/law

cc: Florida Department of Environmental Protection (via email)
John B. Koogler, P.E. – Koogler and Associates, Inc. (via email)

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT ISSUANCE and all copies were mailed before the close of business on _____ to the listed persons.

FILING AND ACKNOWLEDGEMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statues, with the clerk, receipt of which is hereby acknowledged.

_____ _____

Clerk Date

PERMITTEE:	PERMIT/CERTIFICATION
CF Industries, Inc.	Permit No: 0570003-006-AC
Tampa Ammonia Terminal	County: Hillsborough
2520 Guy Verger Boulevard	Expiration Date: February 3, 2013
Tampa, FL 33605	Project: Additional Railcar Loading Arms

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 62-204, 62-210, 62-212, 62-296, 62-297, and 62-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or on file with the EPC and made a part of hereof and specifically described as follows:

This permit is being issued to authorize the construction of four additional railcar loading arms at an anhydrous ammonia storage, handling, and distributing facility. The ammonia is unloaded from ships and is transferred via a 16" pipeline to a 38,500 ton, fixed roof, low pressure, storage tank. The ammonia is pumped from the storage tank via pipeline and is loaded into trucks and/or railcars for shipment offsite. There are four existing loading arms for the truck loading operation and five existing loading arms for the railcar loading operations. Ammonia also can be shipped offsite via pipeline. There is an 8-inch, 8.8 MMBtu/hr flare on the roof of the storage tank to flare off ammonia vapor from the tank/refrigeration system and a 3-inch, 0.5 MMBtu/hr flare to flare off ammonia vapor from the truck and railcar loading operations. Both flares are fueled with propane, which is stored in a 6,565 gallon horizontal bullet.

A 20.92 MMBtu/hr, Cleaver Brooks, Model CB-200-500, SN: L-62369, boiler is used as a backup heat source to produce steam for heating the anhydrous ammonia to the required temperature for shipping. The primary heat source is a water recirculation loop between the Howard F. Curran Wastewater Treatment Plant and the Tampa Ammonia Terminal. The boiler is fired on natural gas with No. 2 distillate fuel oil as a backup. Due to non-routine maintenance and inspection activities that are scheduled to take place in the near future, CF Industries may bring a portable back-up flare and/or boiler on-site while the inspection and maintenance activities are occurring. The portable flare and boiler will be of comparable size to the existing equipment at the facility. The portable equipment is exempt from permitting, pursuant to Rule 62-210.300(3)(b)1., F.A.C., since the emissions are less than 5 tpy (1.8 tpy NOx and 1.1 tpy CO), based on 3,000 hours of operation. The inspection and maintenance period is expected to last for approximately four (4) months.

Also, there is a diesel fueled reciprocating internal combustion engine (RICE) at the site to provide backup power during an emergency. The 2,168 hp diesel engine (Model 3516, SN: 25Z05969) was manufactured in February 1998 and shipped to this site in March 1998. Therefore, this diesel engine is not subject to NSPS Subpart IIII (*Standards of Performance for Stationary Compression Ignition Internal Combustion Engines*) since it was manufactured before April 1, 2006. Also, this CI RICE is exempt from permitting pursuant to Rule 62-210.300(3)(a)35.h. - Stationary Reciprocating Internal Combustion Engines,

Categorical and Conditional Exemptions, F.A.C. However, this CI RICE is subject to 40 CFR 63 Subpart ZZZZ (*National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines*) pursuant to 40 CFR 63.6590, and shall comply with the requirements of Table 2d.4 in the Subpart ZZZZ pursuant to 40 CFR 63.6603(a) [75 FR 9675, Mar. 3, 2010, as amended at 75 FR 51589, Aug. 20, 2010; 75 FR 12866, Mar. 9, 2011]. The main requirements of Subpart ZZZZ are to perform the prescribed operation and maintenance on the engine, as outlined in Specific Condition No. 15, and comply with the fuel sulfur requirements of 40 CFR 80.510(b) which establishes a maximum concentration of 15 ppm sulfur.

Location: 3222 Maritime Boulevard, Tampa, FL 33605

UTM: 17-358.1 E 3090.4 N NEDS NO: 0003

Emission Unit Nos.: 001 – Boiler
002 - Ammonia Storage Facility

SPECIFIC CONDITIONS:

1. A part of this permit is the attached 15 General Conditions. [Rule 62-4.160, F.A.C.]

2. All applicable rules of the Environmental Protection Commission of Hillsborough County including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction. [Rule 62-4.070(7), F.A.C.]

3. Issuance of this permit does not relieve the permittee from complying with applicable emission limiting standards or other requirements of Chapters 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C., or any other requirements under federal, state, or local law. [Rule 62-210.300, F.A.C.]

4. The permittee shall not cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor. [Rule 62-296.320(2), F.A.C.]

5. Visible emissions from the boiler shall not exceed 20 percent opacity. [Rule 62-296.406(1), F.A.C. and Chapter 1-3.53.1.(d) of the Rules of the EPCHC]

6. In order to limit sulfur dioxide (SO_2) and particulate matter (PM) emissions, the boiler shall be fired only on natural gas except during natural gas curtailments or other emergency natural gas interruptions. During these periods, the boiler may only be fired on No. 2 distillate fuel oil with a maximum sulfur content of 0.3% by weight. [Rule 62-4.070(3), F.A.C.]

7. To ensure compliance with Specific Condition Nos. 5 and 6, the following restrictions and conditions shall apply facility wide for any twelve consecutive month period: [Rules 62-4.070(3), 62-212.300, and 62-210.200(240), Definitions – "Potential to Emit", F.A.C.]

A) Boiler Fuel: Natural gas or No. 2 fuel oil with a maximum sulfur content of 0.3% by weight.
B) Maximum heat input rate of the boiler: 20.92 MMBtu/hr.
C) Maximum hours of operation of the boiler: 8,700 hours
D) All products of combustion must vent through the boiler stack.
E) The boiler shall be kept in good repair and all leaks shall be minimized.

8. Once during any 12 consecutive month period in which the boiler is operated using fuel oil in excess of 400 hours for that period, the permittee shall within 72 hours thereafter test the boiler for visible emissions and document the sulfur content of the fuel oil. [Rules 62-297.310(7)(a)5. and 62-4.070(3), F.A.C.]

9. Once during any 12 consecutive month period in which the boiler burns more than 150 million standard cubic feet (scf) of natural gas, the permittee shall test the boiler for visible emissions within 72 hours of exceeding the 150 million standard cubic feet fuel usage. [Rule 62-4.070(3), F.A.C.]

10. In order to demonstrate compliance with Specific Condition No. 5 and as required by Specific Condition Nos. 8 and 9, test the boiler stack for visible emissions using EPA Method 9

SPECIFIC CONDITIONS:

contained in Rule 62-297, F.A.C. The minimum observation period for EPA Method 9 shall be sixty minutes. The minimum requirements for stack sampling facilities, source sampling, and reporting shall be in accordance with Rule 62-297, F.A.C. and 40 CFR 60, Appendix A. [Rule 62-297, F.A.C.]

11. When required, compliance with the sulfur content limitation for fuel oil referenced in Specific Condition Nos. 6 and 7 shall be demonstrated by either: [Rules 62-297.440 and 62-4.070(3), F.A.C.]

A) A Certificate of Fuel Oil Analysis* from a fuel oil vendor of the fuel oil used during the visible emissions compliance test.
B) Certificate of Fuel Oil Analysis* for a fuel oil sample taken during the visible emissions compliance test.

**According to the most current version of ASTM Method D-396 or D-4294.*

12. When required by Specific Condition Nos. 8 and 9, two copies of the visible emission test results and the documentation of sulfur content of the fuel oil, if required by Specific Condition No. 8, shall be submitted to the Air Management Division of the Environmental Protection Commission of Hillsborough County within 45 days of testing for visible emissions. [Rules 62-297.310 and 62-4.070(3), F.A.C.]

13. When required by Specific Condition Nos. 8 and 9, the compliance testing of the boiler must be accomplished during a period when it is cycling up to a normal high firing rate, or is continuously operated at capacity. Capacity is defined as 90-100% of rated capacity of 20.92 MMBtu/hr. If it is impracticable to test at capacity, then the boiler may be tested at less than capacity; in this case subsequent operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than fifteen consecutive days for the purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the EPC. The permittee shall submit a statement of the operating mode (gallon per hour of fuel oil or scf per hour of natural gas) as part of the compliance test. Failure to submit an operation mode statement or operating at conditions which do not reflect the normal operating conditions may invalidate the data. [Rules 62-4.070(3) and 62-297.310(2)(b), F.A.C.]

14. When required by Specific Condition Nos. 8 and 9 to test the boiler, the permittee shall notify the Air Compliance Section of the Environmental Protection Commission of Hillsborough County as soon as practicable prior to the date on which each formal compliance test is to begin of the date, time, and place of each such test, and the contact person who will be responsible for coordinating and having such test conducted. [Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

15. In order to comply with 40 CFR 63 Subpart ZZZZ, (*National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines*), the permittee shall comply with the following requirements by no later than May 3, 2013: [40 CFR 63.6590(a)(1)(iii), 63.6595(a), 63.6603(a), 63.6640(f)(1) and Table 2d.4]

SPECIFIC CONDITIONS:

A) Maintenance checks and readiness testing of the emergency engine unit is limited to 100 hours per year.
B) Change the oil and filter every 500 hours of operation or annually, whichever comes first.
C) Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first.
D) Inspect all the hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
E) The fuel oil sulfur content for the emergency generator shall not exceed 15 ppm.

16. When the Environmental Protection Commission of Hillsborough County (EPC) after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in Rules 62-204, 62-210, 62-212, 62-296, or 62-297, F.A.C., or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the source to conduct compliance tests which identify the nature and quantity of pollutant emissions from the source and to provide a report on the results of said tests to the EPC. [Rule 62-297.310(7)(b), F.A.C.]

17. In order to demonstrate compliance with Specific Condition Nos. 7, 8, 9 and 15, the permittee shall maintain monthly records of operations for the most recent three years period. The records shall be made available to the Environmental Protection Commission of Hillsborough County, state, or federal air pollution agency upon request. The records shall include, but not limited to, the following: [Rules 62-4.070(3) and 62-4.160(14), F.A.C.]

A) Hours the boiler operates on natural gas.
B) Hours the boiler operates on fuel oil.
C) Amount of fuel usage for each fuel used by the boiler (gallons or scf)
D) Certificate of Fuel Oil Analysis for the No. 2 fuel oil consumed by the boiler including, at a minimum, the type of fuel oil and the sulfur content.
E) Maintenance records as required under Specific Condition No. 15.
F) A twelve month rolling total of A), B), and C) above.

18. The permittee shall carry out the following for the flare(s) and relief valve system(s): [Rule 62-4.070(3), F.A.C.]

A) Inspections and maintenance shall be performed once per calendar month on the flare, ammonia tank high pressure alarm, ammonia vapor flow to flare alarm, flare indicator light, and tank pressure instrumentation.
B) Inspections and preventive maintenance shall be performed once per calendar year on all safety relief valves.
C) The level in the low pressure ammonia tank shall be recorded prior to unloading vessels.
D) The flare shall be visually inspected for proper operation, from the top of the low pressure ammonia tank, prior to unloading vessels.
E) After a 24-hour period of down time, purge all ammonia vapors in the transfer lines to the flare prior to truck and railcar loading.

SPECIFIC CONDITIONS:

F) Log entries or records documenting the items in A) through D) above shall be retained for at least the most recent three year period and made available to the EPC, state or federal agency upon request.

19. The permittee shall provide timely notification to the Environmental Protection Commission of Hillsborough County prior to implementing any changes that may result in a modification to this permit pursuant to Rule 62-210.200(199), F.A.C., Modification. The changes do not include normal maintenance, but may include, and are not limited to, the following, and may also require prior authorization before implementation: [Rules 62-210.300, 62-210.300(3)(a)35.h., and 62-4.070(3), F.A.C.]

A) Alteration or replacement of any equipment or major component of such equipment listed on Page 1 of this permit.
B) Installation or addition of any equipment which is a source of air pollution.
C) Consumption of diesel fuel in excess of 64,000 gallons per twelve consecutive month period for the emergency generator.

20. If the permittee wishes to transfer this permit to another owner, an "Application for Transfer of Permit" (DEP Form 62-210.900(7)) shall be submitted, in duplicate, to the Environmental Protection Commission of Hillsborough County within 30 days after the sale or legal transfer of the permitted facility. [Rule 62-4.120, F.A.C.]

ENVIRONMENTAL PROTECTION
COMMISSION OF HILLSBOROUGH COUNTY

_____
Richard D. Garrity, Ph.D.
Executive Director

P.E. Certification Statement

Permittee:
CF Industries, Inc.
Tampa, Florida

DRAFT Permit No.: 0570003-006-AC
Facility ID No.: 0570003

Project Type: Air Construction

I HEREBY CERTIFY *that the engineering features described in the above referenced application and subject to the proposed permit conditions provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including but not limited to the electrical, mechanical, structural, hydrological, and geological features).*

_____ _____
Stephen Hathaway, P.E. Date

Permitting Authority:
Environmental Protection Commission
of Hillsborough County
Air Management Division
3629 Queen Palm Dr
Tampa, FL 33619
Telephone: (813) 627-2600
Fax: (813) 627-2660