TECHNICAL EVALUATION
&
PRELIMINARY DETERMINATION

APPLICANT

Maritec Industries, Incorporated
20150 Independence Boulevard
Groveland, Florida 34736

Groveland Facility

Facility ID No. 0694826

PROJECT

Project No. 0694826-006-AV
Application for Major Source Air Operation Permit
Project Name: Title V Air Operation Permit Renewal

COUNTY

Lake County, Florida

PERMITTING AUTHORITY

Florida Department of Environmental Protection
Air Resource Management
Central District Office
3319 Maguire Blvd., Ste. 232, Orlando, FL 32803-3767

June 18, 2012 and July 5, 2012

Prepared by Stephen Amirault and Jeff Rustin, P.E.

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

GENERAL PROJECT INFORMATION

Air Pollution Regulations

Projects at stationary sources with the potential to emit air pollution are subject to the applicable environmental laws specified in Section 403 of the Florida Statutes (F.S.). The statutes authorize the Department of Environmental Protection (Department) to establish regulations regarding air quality as part of the Florida Administrative Code (F.A.C.), which includes the following applicable chapters: 62-4 (Permits); 62-204 (Air Pollution Control – General Provisions); 62-210 (Stationary Sources – General Requirements); 62-212 (Stationary Sources – Preconstruction Review); 62-213 (Operation Permits for Major Sources of Air Pollution); 62-296 (Stationary Sources - Emission Standards); and 62-297 (Stationary Sources – Emissions Monitoring). Specifically, air construction permits are required pursuant to Rules 62-4, 62-210 and 62-212, F.A.C.

In addition, the U. S. Environmental Protection Agency (EPA) establishes air quality regulations in Title 40 of the Code of Federal Regulations (CFR). Part 60 specifies New Source Performance Standards (NSPS) for numerous industrial categories. Part 61 specifies National Emission Standards for Hazardous Air Pollutants (NESHAP) based on specific pollutants. Part 63 specifies NESHAP based on the Maximum Achievable Control Technology (MACT) for numerous industrial categories. The Department adopts these federal regulations on a quarterly basis in Rule 62-204.800, F.A.C.

Glossary of Common Terms

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of this permit.

I. <u>Project Description:</u>

A. Applicant:

Mr. Robert Ackerbloom, President
Maritec Industries, Incorporated
20150 Independence Boulevard
Groveland, Florida 34736

B. Professional Engineer:

Mr. Tom John P.E.
8424 4th Street N, Suite K
St. Pertersburg, Florida 32095

C. Project Location:

Maritec Industries, Incorporated
20150 Independence Boulevard
Groveland, Florida 34736

D. Project Summary:

The purpose of this permitting project is to renew the Title V Air Operation Permit. Permit format related changes, the inclusion of a compliance plan, and increasing the frequency of visible emission tests from once every five years to annually were changes made to the permit. No other significant changes were made to the permit as part of this renewal.

E. Application Information:

Application Received on: 03/20/2012
Additional Information Requested on: 04/24/2012
Application considered complete on: 06/18/2012

II. Rule Applicability

This project is subject to the preconstruction review requirements of Chapter 403, Florida Statutes and Chapters 62-204 through 62-297, Florida Administrative Code (F.A.C.), as indicated below.

Subject to:	Y/N	Comments
Rule 62-210.300, F.A.C. – Stationary Source General Requirements	Y	Not exempt from general permitting requirements
Rule 62-212.400, F.A.C. - Prevention of Significant Deterioration	N	Facility is not a PSD major source
Rule 62-296.320(4), F.A.C. - General Particulate Emission Limiting Standards	Y	Boat manufacturing operations could be a source of unconfined particulate matter emissions
Rules 62-296.320(1) and (2), F.A.C. - General Pollutant Emission Limiting Standards (VOCs and Odor)	Y	Boat manufacturing operations are a source of VOC and odors
Rule 62-296.400, F.A.C. - Stationary Source Emission Standards	N	There is no applicable source category

Subject to:	Y/N	Comments
Rule 62-296.500, F.A.C. - Reasonably Available Control Technology (VOC)	N	Lake County is an attainment area for ozone
Rule 62-296.700, F.A.C. - Reasonably Available Control Technology (PM)	N	There is no applicable source category.
Rule 62-204.800, F.A.C. - Standards of Performance for New Stationary Sources (NSPS– 40 CFR 60)	N	There is no applicable source category.
Rule 62-204.800, F.A.C. National Emission Standard for Hazardous Air Pollutants (NESHAPS – 40 CFR 61)	N	There is no applicable source category.
Rule 62-204.800, F.A.C. National Emission Standard for Hazardous Air Pollutants for Source Categories a.k.a. MACT (NESHAPS – 40 CFR 63)	Y	EU No. 001 is subject to 40 CFR 63, Subparts A and VVVV.
Chapter 62-213, F.A.C. - Operation Permits for Major Sources of Air Pollution	Y	Facility is a Title V facility.
Rule 62-297.310, F.A.C. - General Compliance Test Requirements, F.A.C.	Y	VE testing is required for EU No. 001. The frequency was changed from once every five years to annually.

III. Summary of Emissions

Pollutant	EU No. and brief description	Potential Emissions (tpy)	Allowable Emissions (tpy)
Total HAPS	Facility	12.49*	Less than 50
Single HAP	Facility	11.6*	Less than 50
VOC	Facility	12.776*	Less than 50

* actual emissions for recent 12 consecutive month period (January -December 2011).

IV. Federal NSPS and/or NESHAP Provisions

A. 40 CFR Part 63, Subpart A– General Provisions
B. 40 CFR Part 63, Subpart VVVV– National Emissions Standards for Hazardous Air Pollutants for Source Category: Boat Manufacturing

V. Conclusions

The emission limits proposed by the applicant will meet all of the requirements of Chapters 62-204 through 297, F.A.C.

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

VII. Preliminary Determination

The Department makes a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations as conditioned by the draft permit. This determination is based on a technical review of the complete application, reasonable assurances provided by the applicant, and the conditions specified in the draft permit. Additional details of this analysis may be obtained by contacting the project engineer at the Florida Department of Environmental Protection Air Resource Management, Central District, 3319 Maguire Blvd., Ste. 232, Orlando, FL 32803-3767.

Pursuant to Section 403.087, Florida Statutes and Section 62-4.070, Florida Administrative Code, the Department 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).