



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

January 16, 2008

Mr. Gregory Klann
Lockheed Martin MS2
100 East 17th Street
Riviera Beach, Florida 33404

Dear Mr. Klann:

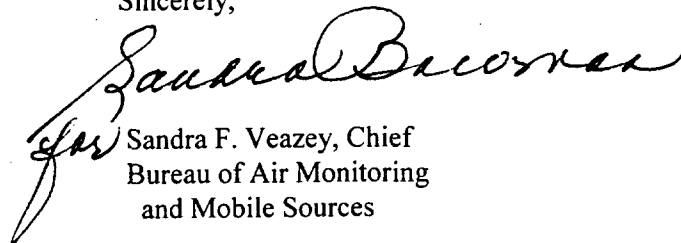
This is to acknowledge that your notification of intent to use the authority of Rule 62-210.310 to operate your facility was received on December 10, 2007. We have assigned ARMS Number 0990672-001 to this facility.

As you know, pursuant to Florida Statutes section 403.814, authority to operate under general permits commences thirty days after receipt of the registration form unless you have been notified by this office that your facility has not shown entitlement to operate pursuant to the rule provisions.

For your information, authority to operate pursuant to Rule 62-210.310 expires after 5 years. Therefore, a new registration form must be received no later than 5 years after the date your notice was received as indicated above. If your general permit rule conditions require testing, such testing must be completed within the time frame specified in the rule.

If you have any additional questions, please contact Dickson Dibble at 850/921-9586.

Sincerely,



Sandra F. Veazey, Chief
Bureau of Air Monitoring
and Mobile Sources

SFV/pg

cc: Mr. Jeffrey Dizek, Palm Beach County

**RECIPROCATING INTERNAL COMBUSTION ENGINES
AIR GENERAL PERMIT REGISTRATION FORM**

Part II. Notification to Permitting Office

(Detach and submit to appropriate permitting office; keep copy onsite)

Instructions: To give notice to the Department of an eligible facility's intent to use this air general permit, the owner or operator of the facility must detach and complete this part of the Air General Permit Registration Form and submit it to the appropriate Department of Environmental Protection or local air pollution control program office which has permitting authority. Please type or print clearly all information, and enclose the appropriate air general permit registration processing fee pursuant to Rule 62-4.050, F.A.C. (\$100 as of the effective date of this form)

Registration Type

Check one:

INITIAL REGISTRATION - Notification of intent to:

- Construct and operate a proposed new facility.
- Operate an existing facility not currently using an air general permit (e.g., a facility proposing to go from an air operation permit to an air general permit).

RE-REGISTRATION (for facilities currently using an air general permit) - Notification of intent to:

- Continue operating the facility after expiration of the current term of air general permit use.
- Continue operating the facility after a change of ownership.
- Make an equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), F.A.C., or any other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.

Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only

If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner or operator upon the effective date of this air general permit. In such case, check the first box, and indicate the operation permits being surrendered. If no air operation permits are held by the facility, check the second box.

- All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s): _____
- No air operation permits currently exist for this facility.

General Facility Information

Facility Owner/Company Name (Name of corporation, agency, or individual owner who or which owns, leases, operates, controls, or supervises the facility.)

Lockheed Martin MS2

Site Name (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a registration form must be completed for each.)

Lockheed Martin MS2, Riviera Beach

Facility Location (Provide the physical location of the facility, not necessarily the mailing address.)

Street Address: 100 East 17th Street

City: Riviera Beach

County: Palm Beach

Zip Code: 33404

RECEIVED
DEC 10 2007
Bureau of Air Monitoring & Mobile Sources

0990672-001

RECEIVED
DEC 17 2007
Bureau of Air Monitoring & Mobile Sources

2007 DEC 11 PM 1:48
ACCOUNTING
REVENUE

Facility Start-Up Date (Estimated start-up date of proposed **new** facility.)(N/A for existing facility)
N/A

Owner/Authorized Representative

Name and Position Title (Person who, by signing this form below, certifies that the facility is eligible to use this air general permit.)

Print Name and Title: James L. Weitzel, Vice President, Mission and Unmanned Systems
Lockheed Martin MS2

Owner/Authorized Representative Mailing Address

Organization/Firm: Mission and Unmanned Systems, Lockheed Martin MS2
Street Address: 100 East 17th Street
City: Riviera Beach County: Palm Beach Zip Code: 33202

Owner/Authorized Representative Telephone Numbers

Telephone: (561) 494-2300 Fax: (561) 494-2015
Cell phone (optional):

Facility Contact (If different from Owner/Authorized Representative)

Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.)

Print Name and Title: Gregory Klann, ESH Staff Engineer

Facility Contact Mailing Address

Organization/Firm: Lockheed Martin MS2
Street Address: 100 East 17th Street
City: Riviera Beach, FL County: Palm beach Zip Code: 33404

Facility Contact Telephone Numbers

Telephone: (561) 494-2422 Fax: (561) 494-2015
Cell phone (optional): (561) 248-2805

Owner/Authorized Representative Statement

This statement must be signed and dated by the person named above as owner or authorized representative

I, the undersigned, am the owner or authorized representative of the owner or operator of the facility addressed in this Air General Permit Registration Form. I hereby certify, based on information and belief formed after reasonable inquiry, that the facility addressed in this registration form is eligible for use of this air general permit and that the statements made in this registration form are true, accurate and complete. Further, I agree to operate and maintain the facility described in this registration form so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof.

I will promptly notify the Department of any changes to the information contained in this registration form.


Signature

Date

Fuel Consumption

If this is an **initial registration** for reciprocating internal combustion engine operations, provide an estimate of the total amount of fuel expected to be consumed over a 12-month period. Note: the general permit limits fuel consumption by all reciprocating internal combustion engines at the facility to 20,000 gallons per year of gasoline, 250,000 gallons per year of diesel fuel, 1.15 million gallons per year of propane, 40 million standard cubic feet per year of natural gas, or an equivalent prorated amount if multiple fuels are used

1000 gallons

If this is a **re-registration** for reciprocating internal combustion engine operations, provide the highest 12-month total fuel consumption amount, in appropriate units, for the last five years. Indicate the 12-month period over which this fuel consumption occurred.

Description of Facility

Below, or as an attachment to this form, provide a description of the reciprocating internal combustion engine operations at the facility in sufficient detail to demonstrate the facility's eligibility for use of this air general permit and to provide a basis for tracking any future equipment or process changes at the facility. Describe all air pollutant-emitting processes and equipment at the facility, and identify any air pollution control measures or equipment used.

One 100KW emergency backup diesel engine generator EPA tier 3 certified

See attachment: A

One 400KW emergency back diesel engine generator EPA tier 3 certified

See attachment: B

Attachment A

 AIR RESOURCES BOARD	PERKINS ENGINES COMPANY LTD.	EXECUTIVE ORDER U-R-022-0092-1 New Off-Road Compression-Ignition Engines
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Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engine and emission control system produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2007	7PKXL04.4NJ1	4.4	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Direct Diesel Injection, Turbo Charger, Charge Air Cooler, Emission Control Module			Cranes, Loaders, Tractor, Dozer, Pump, Compressor, Generator Set	

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY	STD	EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
75 ≤ kW < 130	Tier 3	STD	N/A	N/A	4.0	5.0	0.30	20	15	50
		CERT	-	-	3.7	1.3	0.17	8	2	14


BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

This Executive Order hereby supersedes Executive Order U-R-022-0092 dated December 21, 2006.

Executed at El Monte, California on this 27th day of February 2007.


 Annette Hebert, Chief
 Mobile Source Operations Division



ENGINE DATA

Manufacturer / Model	VOLVO TAD1242GE , 4-cycle, Turbo , Air/Air DC
Cylinder Arrangement	6 X-L
Displacement	12.13L [740.2C.I.]
Bore and Stroke	131mm [5.2in.] X 150mm [5.9in.]
Compression ratio	17.5 : 1
Rated RPM	1800 Rpm
Piston Speed	9m/s [29.5ft./s]
Max. stand by Power at rated RPM	430kW [576BHP]
Frequency regulation, steady state	+/- 0.5%
BMEP	22.5bar [326psi]
Governor : type	Electronic type ECU

Exhaust System

Exhaust gas flow	1250L/s [2649cfm]
Exhaust temperature	505°C [941°F]
Max back pressure	1000mm CE [39in. WG]

Fuel System

110% (Stand By power)	106L/h [28.0gal/hr]
100% (of the Prime Power)	92.7L/h [24.5gal/hr]
75% (of the Prime Power)	67.8L/h [17.9gal/hr]
50% (of the Prime Power)	45.5L/h [12.0gal/hr]
Total fuel flow	550L/h [145.3gal/hr]

Oil System

Total oil capacity w/filters	35L [9.2gal]
Oil Pressure low idle	2.5bar [36.2psi]
Oil Pressure rated RPM	5.5bar [79.7psi]
Oil consumption 100% load	0.14L/h [0.0gal/hr]
Oil capacity carter	31L [8.2gal]

Thermal balance 100% load

Heat rejection to exhaust	272kW [15466Btu/mn]
Radiated heat to ambient	20kW [1137Btu/mn]
Heat rejection to coolant	139kW [7904Btu/mn]

Air intake

Max. intake restriction	500mm CE [20in. WG]
Engine air flow	500L/s [1060cfm]

Coolant System

Radiator & engine capacity	44L [11.6gal]
Max water temperature	103°C [217°F]
Outlet water temperature	93°C [199°F]
Fan power	19 kW
Fan air flow	10.3m ³ /s [21827cfm]
Available restriction on air flow	47mm CE [1.9in. WG]
Type of coolant	Glycol-Ethylene
Thermostat	82-95 °C

Emissions

HC	43.27 gr/bhp/h
CO	3.73 gr/bhp/h
Nox	43.27 gr/bhp/h
PM	7.46 gr/bhp/h

From: Origin ID: PBIA (561)494-2481
 Liz Cattaneo
 Lockheed Martin MS2
 100 E. 17th Street



Riviera Beach, FL 33404

CLS899687/21/23

SHIP TO: (850)245-2100 BILL SENDER

Division of Air Resources
 Florida Dept of Envir. Protection
 2600 Blair Stone Road
 MS #500
 Tallahassee, FL 323992400

Ship Date: 07DEC07
 ActWgt: 1 LB
 System#: 5992168/INET7091
 Account#: S

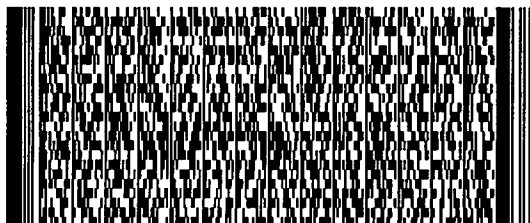
Delivery Address Bar Code



Ref # Q39460005653
 Invoice #
 PO #
 Dept #

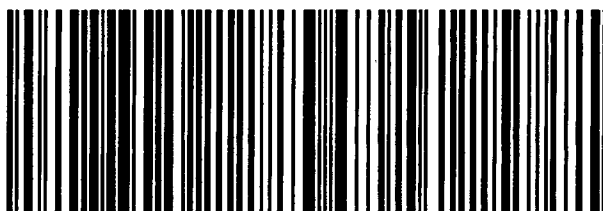
TRK# 7992 3514 6400
 0201

MON - 10DEC A2
 STANDARD OVERNIGHT



XH-TLHA

TLH
 FL-US
 32399



Shipping Label: Your shipment is complete

1. Use the 'Print' feature from your browser to send this page to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.

FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Dibble, Dickson

From: Dibble, Dickson
Sent: Wednesday, December 19, 2007 3:54 PM
To: Sullivan, Ann
Cc: Bowman, Sandy; Laxmana Tallam; 'paul.kalamaras@doh.state.fl.us'
Subject: Mailed to TAL office in error
Attachments: tobjectcode002309.pdf

Ann,

Your office recently (12/11/07) received a **Reciprocating Internal Combustion Engines Air General Permit Registration Form** and the associated \$100.00 application fee, which you processed accordingly on 12/12/2007.

New Facility:
Airs ID# 0990672
Lockheed Martin MS2-Mission & Unmanned Systems
100 East 17th Street
Riviera Beach, Palm Beach Co., FL 33404

In this situation, the client should have mailed the form and fee to the Palm Beach County Health Department which is one of our Local Program offices and the permitting authority for the DEP Division of Air in Palm Beach County.

Since the registration form is in my office, I will complete the application process. However, for your records and for Palm Beach County's accounting purposes the object code will need to be changed from Object Code 002272 – Non-Title V General Permit to **Object Code 002309 – County Delegated Non-Title V General Permit** in order to provide the proper financial credit to Palm Beach Co..

Attached you will find a .pdf file copy of the appropriate Cashlisting dated 12/12/2007, Check # 5274833, Payment # 852735.

If you have any questions, please e-mail or call.

Have a great day, and a safe one!

Thank you,

Dick

Dickson E. Dibble

FL Dept of Environmental Protection
Div. of Air Resource Management
Bureau of Air Monitoring & Mobile Sources
Air General Permit Program
(850) 921-9586
SunCom 291-9586
ICG-#345
Dickson.Dibble@dep.state.fl.us

12/19/2007



Please note: Florida has a very broad public records law. Most written communications to or from state officials regarding state business are public records available to the public and media upon request. Your e-mail communications may therefore be subject to public disclosure

**Florida Department of Environmental Protection
Cash Receiving Application (CRA)
Cashlisting by Deposit #: 281336 thru 281336
Printed: 12/12/2007 4:40:01 PM - Page 11**

Cashlisting: **65580** Cashlist Area: **3755** Description: **DIV OF AIR RESOURCES MGMT.**
 Deposit No: **281336** Date Deposited: **12/12/2007** Contact: **PATTY ADAMS**

Object	Transmittal	Dep DDN	Receipt Number	Pre-Numbered Receipt	Name	Check Number	Payment Amount	Reference Account	Payment Number	Remittance Number	Fund
002222	46049		609358		BUCKEYE FLORIDA, L.P.	345663	\$7,500.00	1230001023	852730	758486	PFTF
	46049		609209		FLORIDA POWER AND LIGHT CO.	1174442	\$7,500.00	0990646002	852581	758331	PFTF
Object Code 002222 Subtotal:							\$15,000.00				
002272	46046	479083	609348		HARVEY-ENGELHARDT-METZ FUNERAL	164045884	\$100.00		852778	758476	PFTF
	46051		609362		LOCKHEED MARTIN	5274833	\$100.00		852735	758490	PFTF
Object Code 002272 Subtotal:							\$200.00				
Cashlisting 65580 Total:							\$15,200.00				

*CHARGE TO
OBJECT CODE 002309*

**Florida Department of Environmental Protection
Cash Receiving Application (CRA)
Cashlisting by Deposit #: 281336 thru 281336
Printed: 12/12/2007 4:40:01 PM - Page 11**

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 Deposit No: **281336** Date Deposited: **12/12/2007** Contact: **PATTY ADAMS**

Object	Transmittal	Dep.DDN	Receipt Number	Pre-Numbered Receipt	Name	Check Number	Payment Amount	Reference Account	Payment Number	Remittance Number	Fund
002222	46049		609358		BUCKEYE FLORIDA, L.P.	345663	\$7,500.00	1230001023	852730	758486	PFTF
	46049		609209		FLORIDA POWER AND LIGHT CO.	1174442	\$7,500.00	0990646002	852581	758331	PFTF
Object Code 002222 Subtotal:							\$15,000.00				
002272	46046	479083	609348		HARVEY-ENGELHARDT-METZ FUNERAL	164045884	\$100.00		852778	758476	PFTF
	✓ 46051		609362		LOCKHEED MARTIN	5274833	\$100.00		852735	758490	PFTF
Object Code 002272 Subtotal:							\$200.00				
Cashlisting 65580 Total:							\$15,200.00				

*12/21/2007 - IC
0990672-001*

LOCKHEED MARTIN
 Accounts Payable Center
 P. O. Box 33010
 Lakeland, FL 33807-3010

Page 1 Of 1
 SUPPLIER NUMBER: HT5P-009
 CHECK NUMBER: 5274833
 DATE: Dec 06, 2007

STATEMENT OF REMITTANCE

INVOICE	NOTE/PO NUMBER	DATE	VCHR	GROSS AMT	DISC AMT	NET AMT
PERMIT	0E010700036	07/05/2007	Q010700036	\$100.00	\$0.00	\$100.00

To: ANN
 SULLIVAN
 MS 77

FR:
 DICK
 DIBBLE
 MS 5510

TOTAL AMOUNT FOR THIS PAGE: \$ *****100.00**

FOLD AND TEAR AT PERFORATION