REINFORCED POLYESTER RESIN OPERATIONS AIR GENERAL PERMIT EXAMPLE REGISTRATION WORKSHEET

Facility Identification Number - If known (seven digit number)

0710280-001

Registration Type

Check one:

INITIAL REGISTRATION - Notification of intent to:

- ☐ Construct and operate a proposed new facility.
- ☐ Operate an existing permitted 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). 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. (See "Surrender of Existing Air Operation Permit(s)" below.)
- ☒ Operates an existing facility not currently permitted or using 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.
- ☐ 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 Applicable

All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s):

N/A

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.)
JRL Ventures, Inc./Marine Concepts

Site Name (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a complete registration must be submitted for each.)
Aerospace Simulator Manufacturing Facility

Facility Location (Physical location of the facility, not necessarily the mailing address.)
Street Address: 847C SE 9th Street
City: Cape Coral County: Lee Zip Code: 33990 – 3220

Facility Start-Up Date (Estimated start-up date of proposed **new** facility.)(N/A for existing facility.)
10/1/2011

Facility Contact

Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.)
Print Name and Title: Matthew Chambers, Title: President

Facility Contact Telephone Numbers
Telephone: 239-283-0800 Fax: 239-283-3332
Cell phone: 239-243-4650
E-mail: mchambers@marineconcepts.com

Facility Contact Mailing Address
Organization/Firm: JRL Ventures, Inc./Marine Concepts
Mailing Address: 2443 S.W. Pine Island Road
City: Cape Coral County: Lee Zip Code: 33991

Other Contact/Representative (to serve as additional Department contact)

Name and Position Title
Print Name and Title: Joe Morgan, Title: Environmental, Safety, ISO Processes

Other Contact/Representative Telephone Numbers
Telephone: 239-283-0800 Fax: 239-283-3332
Cell phone: 239-707-1300
E-mail: jmorgan@marineconcepts

Other Contact/Representative Mailing Address
Organization/Firm: JRL Ventures, Inc./Marine Concepts
Mailing Address: 2443 S.W. Pine Island Road
City: Cape Coral County: Lee Zip Code: 33991

Government Facility Code (check only one)

- ☐ **Facility not owned or operated by a federal, state, or local government.**
- ☐ **Facility owned or operated by the federal government.**
- ☐ **Facility owned or operated by the state.**
- ☐ **Facility owned or operated by the county.**
- ☐ **Facility owned or operated by the municipality.**
- ☐ **Facility owned or operated by a water management district.**

Material Usage Rates

If this is an **initial registration** for a reinforced polyester resin operation, provide an estimate of the total quantity, in pounds, of styrene-containing materials (resin and gelcoat) expected to be used over a 12-month period.* See attached sheets

Total Styrene; .07 tons per 12 month rolling period

Total HAP; .09 Tons per 12 month rolling period

Total VOC's; .09 tons per 12 month rolling period

If this is a **re-registration** for a reinforced polyester resin operation, provide the highest 12-month total quantity, in pounds, of styrene-containing materials (resin and gelcoat) used in the last five years. Indicate the 12-month period over which this usage occurred.

N/A

***Note:** the general permit limits the usage of such material to 76,000 pounds (38 tons) in any consecutive 12 months.

Description of Facility

To create a part the mold is waxed followed by hand laid layers of resin/fiberglass. This process of hand application continues until the desired thickness is reached, at which point the back of the part is braced. The part is pulled from the mold, trimmed and cut-out, and the surfaces are faired and detailed. The part is sprayed inside and out with paint to the desired colors and finish as described in the project specifications. The part is then inspected, crated and readied for transportation to the customer.

11/02/11 - PER TELECON W/JOE MORGAN @ 1530 HRS, PAINTING OPERATION WILL BE "OUT-SOURCED" & NO LONGER PERFORMED @ THIS FACILITY. D. Dibble

Helpful Definitions

"Department" or "DEP" - The State of Florida Department of Environmental Protection.
"Emissions Unit" - Any part or activity of a facility that emits or has the potential to emit any air pollutant.
"Facility" - All of the emissions units which are located on one or more contiguous or adjacent properties, and which are under the control of the same person (or persons under common control).
"Owner" or "Operator" - Any person or entity who or which owns, leases, operates, controls or supervises an emissions unit or facility.
"Polyester Resin Material" – Materials used in polyester resin operations which include isophthalic, orthophthalic, halogenated, bisphenol-A, vinyl-ester or furan resins; cross-linking agents; catalysts, gel coats, inhibitors, accelerators, promoters, and any other VOC containing materials.
"Reinforced Polyester Resin Operations" – An operation that entails saturating a reinforcing material such as glass fiber with a polyester resin material. Such operations include the production or rework of product by mixing, pouring, hand laying-up, impregnating, injecting, forming, spraying,

and/or curing unsaturated polyester materials with fiberglass, fillers, or any other reinforcement materials and associated cleanup.

12 MONTH ESTIMATED MONTHLY RECEIVABLES

SEPTEMBER 12

CHEMICAL	QTY	QTY LBS	ORIGIN DATE	PO#/INVOICE #	UOM / LBS	# REMAINING (UOM/LBS)	TOTAL USED (UOM/LBS)	LAST 12MO (UOM/LBS)
ACETONE	0.25	89.5			DRUM	0	**0.25**	**3.00**
		0			358		**89.50**	**1074.00**
		0						
RESIN; ARMORGUARD VSXH-3210	0.56	280			DRUM	0	**0.56**	**6.72**
		0			500		**280.00**	**3360.00**
		0						
LUBEROX DDM9 RED	0.56	4.48			GAL	0	**0.56**	**6.72**
					8		**4.48**	**53.76**
DURAGLASS --	7.11	56.88			GALLON	0	**7.67**	**90.92**
		0			8		**61.36**	**727.36**
		0						
CATALYST; POLANE, V66V27	0.22	0.52635			QUART	0	**0.22**	**2.64**
		0			2.3925		**0.53**	**6.32**
		0						
FLATTENING BASE POLANE, F63T00001	0.44	4.6288			GALLON	0	**0.44**	**5.28**
		0			10.52		**4.63**	**55.55**
		0						
PAINT; POLANE CARBIDE BLACK F63B00012	0.56	4.8328			GALLON	0	**0.56**	**6.72**
		0			8.63		**4.83**	**57.99**
		0						
		0						
PAINT; POLANE SEALER/PRIMER DARK GRAY E65A00004	0.22	2.0812			GALLON	0	**0.22**	**2.64**
		0			9.46		**2.08**	**24.97**
		0						
		0						
		0						
REDUCER; POLANE R7K69	0.56	3.9424			GALLON	0	**0.56**	**10.10**
		0			7.04		**3.94**	**71.12**
		0						

A. Estimated Materials Usage

SEPTEMBER 12

MATERIAL	USAGE, LAST 12 MO, LBS
ACETONE	1074
ARMORGUARD RESIN VSXH 3210	3360
LUBEROX DDM9 RED	53.76
DURAGLASS	727.36
CATALYST; POLANE, V66V27	6.32
FLATTENING BASE POLANE, F63T00001	55.55
PAINT; POLANE CARBIDE BLACK F63B00012	57.99
PAINT; POLANE SEALER/PRIMER DARK GRAY E65A00004	24.97
REDUCER; POLANE R7K69	10.10

B. Materials Compositions SEPTEMBER 12

MATERIALS	CAS #	styrene 100-42-5	methyl methacrylate 80-62-6	methylethyl ketone 78-93-3	methyliso butylketone 108-10-1	benzoyl peroxide 94-36-0	dimethyl phthalate 131-11-3	cumene 98-82-8	hexalene GALycol 107-41-5	MDI 101-68-8	MDI oligomers 9016-87-9	HCHF 141b 1717-00-6	toluene 108-88-3	general VOC
ACETONE		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
IORGUARD RESIN VSXH 3210		35%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
LUBERSOL DDM9		0%	0%	2%	0%	0%	0%	0%	6%	0%	0%	0%	0%	0%
DURAGLASS		20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
CATALYST; POLANE, V66V27		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
G BASE; POLANE, F63T00001		0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	4%	0%
CARBIDE BLACK, F63B00012		0%	0%	7%	0%	0%	0%	0%	0%	0%	0%	0%	7%	0%
IER, DARK GRAY, E65A00004		0%	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	13%	0%
REDUCER; POLANE, R7K69		0%	0%	0%	24%	0%	0%	0%	0%	0%	0%	0%	15%	0%

C. Emission Factors SEPTEMBER 12

MATERIALS	CAS #	styrene 100-42-5	methylmeth acrylate 80-62-6	methylethyl ketone 78-93-3	methyliso butylketone 108-10-1	benzoyl peroxide 94-36-0	dimethyl phthalate 131-11-3	cumene 98-82-8	hexalene GALycol 107-41-5	MDI 101-68-8	MDI *oligomers* 9016-87-9	HCHF 141b 1717-00-6	toluene 108-88-3	general VOC
ACETONE		0.12	0.75	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.15	1.00	1.00
IORGUARD RESIN VSXH 3210		0.11	0.75	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.15	1.00	1.00
LUBERSOL DDM9		0.11	0.75	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.15	1.00	1.00
DURAGLASS		0.13	0.75	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.15	1.00	1.00
CATALYST; POLANE, V66V27		0.00	0.75	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.15	1.00	1.00
3 BASE; POLANE, F63T00001		0.00	0.75	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.15	1.00	1.00
CARBIDE BLACK, F63B00012		0	0.75	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.15	1.00	1.00
IER, DARK GRAY, E65A00004		0	0.75	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.15	1.00	1.00
REDUCER; POLANE, R7K69		0	0.75	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.15	1.00	1.00

ESTIMATED MATERIAL USAGE AND EMISSION CALCULATIONS

D. Emissions SEPTEMBER 12

MATERIALS		styrene	methylmeth acrylate	methylethyl ketone	methyliso butylketone	benzoyl peroxide	dimethyl phthalate	cumene	hexalene GALycol	MDI	MDI oligomers	HCHF 141b	toluene	general VOC
	CAS #	100-42-5	80-62-6	78-93-3	108-10-1	94-36-0	131-11-3	98-82-8	107-41-5	101-68-8	9016-87-9	1717-00-6	108-88-3	
ACETONE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ARMORGUARD RESIN VSXH 3210		128.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LUBERSOL DDM9		0.00	0.00	0.81	0.00	0.00	0.00	0.00	3.23	0.00	0.00	0.00	0.00	0.00
DURAGLASS		18.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CATALYST; POLANE, V66V27		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FLATTENING BASE; POLANE, F63T00001		0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.22	0.00
PAINT; POLANE, CARBIDE BLACK, F63B00012		0.00	0.00	4.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.06	0.00
SEALER/PRIMER, DARK GRAY, E65A00004		0.00	0.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.25	0.00
REDUCER; POLANE, R7K69		0.00	0.00	0.00	2.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.52	0.00
Total emissions by species, Lbs		146.6	0.0	7.9	2.4	0.0	0.0	0.0	3.2	0.0	0.0	0.0	11.0	0.0
Total emissions by species, Tons		0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00

EMMISION SUMMARY

	Tons
Total Styrene	0.07
Total HAP	0.09
Total VOC	0.09

October 12, 2011

Department of Environmental Protection
Receipts
Post Office Box 3070
Tallahassee, Florida 32315-3070

Dear Mr. Dibble,

As requested by you and required by the Florida Department of Environmental Protection, we have prepared the enclosed Reinforced Polyester Resin Operations Air General Permit application for our Aerospace Simulator Manufacturing (ASM) facility.

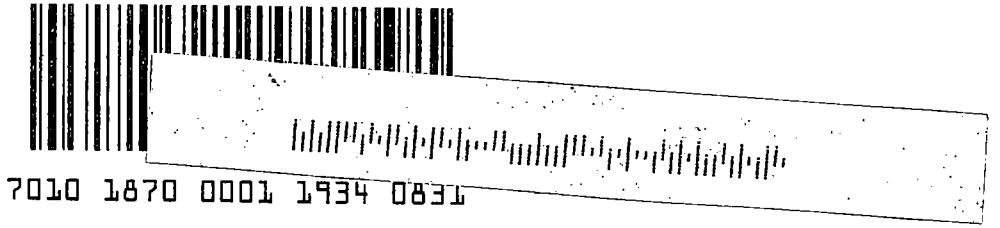
The application is accompanied by a check for $100.00payable to FDEP as the processing fee for Reinforced Polyester Resin Operation Air general Permit

Sincerely,

Joe Morgan

JRL VENTURES d/b/a
MARINE CONCEPTS
2443 SW PINE ISLAND RD.
CAPE CORAL, FL 33991

CERTIFIED MAIL™



Mr. Dibble
FL Dept of Environmental Protection
Receipts
PO Box 3070
Tallahassee, FL 32315-3070