

FACILITY PERMIT TO OPERATE WILLARD MARINE INC.

Facility Equipment and Requirements (Section D)

This section consists of a table listing all permitted equipment at the facility, facility wide requirements, all individual Permits to Construct and Permits to Operate issued to various equipment at the facility, and Rule 219-exempt equipment subject to source-specific requirements. Each permit and Rule 219-exempt equipment will list operating conditions including periodic monitoring requirements, and applicable emission limits and requirements that the equipment is subject to. Also included is the rule origin and authority of each emission limit and permit condition.

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PERMITTED EQUIPMENT LIST

THE FOLLOWING IS A LIST OF ALL PERMITS TO CONSTRUCT AND PERMITS TO OPERATE AT THIS FACILITY:

Application number	Permit to Operate number	Equipment description
477538		SPRAY ROOM

NOTE: EQUIPMENT LISTED ABOVE THAT HAVE NO CORRESPONDING PERMITS TO OPERATE NUMBER ARE ISSUED PERMITS TO CONSTRUCT. THE ISSUANCE OR DENIAL OF THEIR PERMITS TO OPERATE IS SUBJECT TO ENGINEERING FINAL REVIEW. ANY OTHER APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT OR PERMITS TO OPERATE WILL NOT BE FOUND IN THIS TITLE V PERMIT.

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FACILITY WIDE CONDITION(S)

Condition(s):

1. EXCEPT FOR OPEN ABRASIVE BLASTING OPERATIONS, THE OPERATOR SHALL NOT DISCHARGE INTO THE ATMOSPHERE FROM ANY SINGLE SOURCE OF EMISSIONS WHATSOEVER ANY AIR CONTAMINANT FOR A PERIOD OR PERIODS AGGREGATING MORE THAN THREE MINUTES IN ANY ONE HOUR WHICH IS:
 - A. AS DARK OR DARKER IN SHADE AS THAT DESIGNATED NO. 1 ON THE RINGELMANN CHART, AS PUBLISHED BY THE UNITED STATES BUREAU OF MINES; OR
 - B. OF SUCH OPACITY AS TO OBSCURE AN OBSERVER'S VIEW TO A DEGREE EQUAL TO OR GREATER THAN DOES SMOKE DESCRIBED IN SUBPARAGRAPH (A) OF THIS CONDITION.
[RULE 401]
2. THE TOTAL QUANTITY OF METHYLENE CHLORIDE EMITTED TO THE ATMOSPHERE FROM THIS FACILITY SHALL NOT EXCEED 2.5 POUNDS PER MONTH.
[RULE 1401]
3. THE OPERATOR SHALL KEEP ADEQUATE RECORDS IN ORDER TO VERIFY COMPLIANCE WITH CONDITIONS NO. 2. SUCH RECORDS SHALL BE RETAINED ON FILE FOR A PERIOD OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1401]
4. TO MAINTAIN EXMPTION FROM THE NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP) REQUIREMENTS, THE TOTAL QUANTITY OF HAZARDOUS AIR POLLUTANT (HAP) EMISSIONS FROM THIS FACILITY SHALL NOT EXCEED 10 TONS (20,000 POUNDS) OF A SINGLE HAP OR 25 TONS (50,000 POUNDS) OF A COMBINATION OF HAPS IN ANY TWELVE CALENDAR MONTH PERIOD.
[40CFR63 SUBPART VVVV]
5. TO ENSURE COMPLIANCE WITH THE HAP(S) EMISSION CAPS, THE FACILITY OPERATOR SHALL:
 - (A) IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT AND THIS FACILITY TO VERIFY THE MONTHLY HAP EMISSIONS IN POUNDS AND THE HAP CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS). THE RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT.
 - (B) WITHIN 14 CALENDAR DAYS AFTER THE END OF EACH MONTH, TOTAL AND RECORD HAP EMISSIONS FOR THE MONTH FROM ALL EQUIPMENT AND OPERATIONS THAT ARE REQUIRED TO HAVE WRITTEN PERMITS OR ARE EXEMPT FROM WRITTEN PERMITS PURSUANT TO RULE 219. THE RECORD SHALL INCLUDE ANY PROCEDURES USED TO ACCOUNT FOR CONTROL DEVICE EFFICIENCIES AND/OR WASTE DISPOSAL. IT SHALL BE SIGNED AND CERTIFIED FOR ACCURACY BY THE HIGHEST RANKING INDIVIDUAL RESPONSIBLE FOR COMPLIANCE WITH DISTRICT RULES.
 - (C) MAINTAIN A SINGLE LIST WHICH INCLUDES ONLY THE NAME AND ADDRESS OF EACH PERSON FROM WHOM THE FACILITY ACQUIRED HAP-CONTAINING MATERIAL REGULATED BY THE DISTRICT THAT WAS USED OR STORED AT THE FACILITY DURING THE PRECEDING 12 MONTHS.

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- (D) RETAIN ALL PURCHASE INVOICES FOR ALL HAP-CONTAINING MATERIAL USED OR STORED AT THE FACILITY, AND ALL WASTE MANIFESTS FOR ALL WASTE HAP-CONTAINING MATERIAL REMOVED FROM THE FACILITY, FOR FIVE YEARS.
[RULE 109, 40CFR63 SUBPART VVVV]
6. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, RETAINED AT THE FACILITY FOR FIVE YEARS, AND MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.
[RULE 109, 40CFR63 SUBPART VVVV]

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PERMIT TO OPERATE

Permit No.
A/N 477538

Equipment Description:

SPRAY ROOM, RESIN SPRAY OPERATION, DRY FILTER TYPE, 102'-0" W. X 104'-0" L. X 18'-0" H., WITH TWO EXHAUST PLENUMS, (1) WITH A 10 HP EXHAUST FAN AND THIRTY 20" X 20" X 2" FILTERS, AND (2) WITH A 7.5 HP EXHAUST FAN AND FIFTEEN 20" X 20" X 2" FILTERS.

Conditions

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE EXHAUST PLENUMS SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST 2 INCHES THICK.
[RULE 1303(a)(1)-BACT]
4. A GAUGE SHALL BE INSTALLED AND MAINTAINED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS OF EACH PLENUM. IN OPERATION, THE PRESSURE DIFFERENTIAL SHALL NOT EXCEED 0.25 INCH OF WATER.
[RULE 1303(a)(1)-BACT]
5. THE TOTAL AMOUNT OF VOLATILE ORGANIC COMPOUNDS (VOC) EMITTED TO THE ATMOSHPERE FROM THIS EQUIPMENT, FROM USING RESINS, GELCOAT, AND ANY OTHER MATERIALS CONTAINING VOC SHALL NOT EXCEED 68 POUNDS PER DAY AS COMPUTED UNDER CONDITION NO 6 BELOW.
[RULE 1303(b)(2)-OFFSET]

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6. THE FOLLOWING TABLE (OR ANY OTHER FORMAT APPROVED BY THE DIRECTOR OF ENFORCEMENT) SHALL BE KEPT ON A DAILY BASIS AND MADE AVAILABLE TO THE DISTRICT PERSONNEL UPON REQUEST. RECORDS SHALL BE KEPT ON FILE FOR FIVE YEARS.

TYPE OF COATING OR SOLVENT	DAILY USAGE (GAL/DAY) OR (LB/DAY)	VOC EMISSION FACTOR (LB/GAL) OR (LB/LB)	VOC EMISSIONS (LB/DAY)
RESIN			
GELCOAT			
EPOXY COATING (2 COMPONENT)			
THINNER			
OTHER MATERIALS			
TOTAL			

VOC EMISSION FACTORS FOR SOME ORGANICS (SUGGESTED)

MATERIAL	EMISSION FACTOR	
	LBS. VOC/GAL	LBS. VOC/LB
RESIN		0.05
GELCOAT		0.10
EPOXY COATING (2 COMPONENT)	*	*
THINNER	*	*
VARNISH	*	*

* USE EMISSION FACTORS FROM MANUFACTURER OR RULE 443.1 LABEL.
 [RULE 109, 1303(b)(2)-OFFSET]

Periodic Monitoring:

7. THE OPERATOR SHALL DETERMINE AND RECORD THE PRESSURE DROP ACROSS THE FILTER MEDIA ONCE EVERY WEEK.
 [RULE 3004 (a)(4)]
8. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

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- A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
 - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
 - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.
- [RULE 3004 (a)(4)]

Emissions And Requirements:

- 9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
 - VOC: RULE 109
 - VOC: RULE 1162, SEE APPENDIX B FOR EMISSION LIMITS
 - VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS
 - PM: RULE 481
 - PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

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PERMIT TO CONSTRUCT

None

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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS.

Periodic Monitoring:

1. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

FOR ARCHITECTURAL APPLICATIONS WHERE NO THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN SEMI-ANNUAL RECORDS OF ALL COATINGS CONSISTING OF (a) COATING TYPE, (b) VOC CONTENT AS SUPPLIED IN GRAMS PER LITER (g/l) OF MATERIALS FOR LOW-SOLIDS COATINGS, AND (c) VOC CONTENT AS SUPPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATINGS.

FOR OTHER ARCHITECTURAL APPLICATIONS WHERE THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN DAILY RECORDS FOR EACH COATING CONSISTING OF (a) COATING TYPE, (b) VOC CONTENT AS APPLIED IN GRAMS PER LITER (g/l) OF MATERIALS USED FOR LOW-SOLIDS COATINGS, AND (c) VOC CONTENT AS APPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATINGS.

[RULE 3004 (a) (4)]

Emissions And Requirements:

2. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, COATING AND LAMINATING EQUIPMENT, LOW USE OR EMISSIONS

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
 - VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS
 - VOC: RULE 1106, SEE APPENDIX B FOR EMISSION LIMITS
 - VOC: RULE 1106.1, SEE APPENDIX B FOR EMISSION LIMITS
 - VOC: RULE 1107, SEE APPENDIX B FOR EMISSION LIMITS
 - VOC: RULE 1168, SEE APPENDIX B FOR EMISSION LIMITS
 - VOC: RULE 109

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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATIONS.

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS