

FINAL DETERMINATION

PERMITTEE

Merillat Corporation, LLC
1300 S.W. 38th Avenue
Ocala, FL 34474

PERMITTING AUTHORITY

Florida Department of Environmental Protection
Division of Air Resource Management
Bureau of Air Regulation, Air Permitting South Program
2600 Blair Stone Road, MS #5505
Tallahassee, Florida, 32399-2400

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Central Dist. - DEP

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PROJECT

Air Permit No. 0830137-003-AC
Merillat Ocala Plant – Addition of 4th Finishing Line

This permit authorizes the addition of a 4th finishing line at the existing Merillat Ocala Plant, which manufactures wood kitchen and bath cabinets. The existing facility is located on SW 38th Avenue, between SR 40 and SW 20th Street.

NOTICE AND PUBLICATION

The Department distributed an “Intent to Issue Permit” package on June 6, 2005. The applicant published the “Public Notice of Intent to Issue” in the Ocala Star Banner on June 13, 2005. The Department received the proof of publication on June 17, 2005. No petitions for administrative hearings or extensions of time to petition for an administrative hearing were filed.

COMMENTS

No comments on the Draft Permit were received from the public, the Department’s Central District Office, or the applicant.

CONCLUSION

Only minor revisions were made to correct typographical errors. The final action of the Department is to issue the permit with the changes described above.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF FINAL PERMIT

In the Matter of an
Application for Permit by:

Merillat Corporation, LLC
1300 S.W. 38th Avenue
Ocala, FL 34474

Air Permit No. 0830137-003-AC
Merillat Ocala Plant
ARMS Facility ID No. 0830137
Project: Addition of 4th Finishing Line

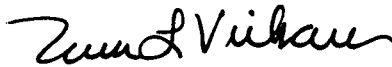
Authorized Representative:

Mr. John Lewis, Acting Plant Manager

Enclosed is Final Air Permit No. 0830137-003-AC, which authorizes the construction of a 4th finishing line. The new equipment will be installed at the existing facility, which is located in Marion County at 1300 S.W. 38th Avenue, Ocala, Florida. As noted in the attached Final Determination, only minor changes and clarifications were made. This permit is issued pursuant to Chapter 403, Florida Statutes.

Any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure 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 (30) days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida.



Trina Vielhauer, Chief
Bureau of Air Regulation

CERTIFICATE OF SERVICE

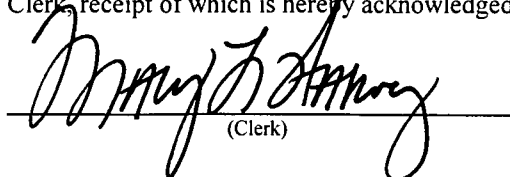
The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Final Permit (including the Final permit) was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 7/5/05 to the persons listed:

Mr. John Lewis, Merillat Ocala Plant*
Ms. Donna Tackett, Merillat Ocala Plant
Mr. Jim James P. Olszewski, Merillat Corporate Headquarters

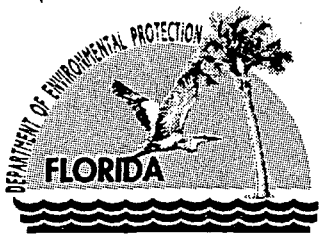
Mr. Joel Cohn, Malcolm Pirnie, Inc. (VA)
Mr. David Cibik, Malcolm Pirnie, Inc. (FL)
✓ Mr. Len Kozlov, CD

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.


(Clerk)

7/5/05
(Date)



Jeb Bush
Governor

Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Colleen M. Castille
Secretary

PERMITTEE:

Merillat Corporation, LLC
1300 S.W. 38th Avenue
Ocala, FL 34474

Authorized Representative:

Mr. John Lewis, Acting Plant Manager

Air Permit No. 0830137-003-AC
Permit Expires: December 1, 2006
Merillat Ocala Plant
ARMS Facility ID No. 0830137
Project: Addition of 4th Finishing Line

PROJECT AND LOCATION

Merillat Corporation, LLC operates a wood furniture manufacturing plant (SIC No. 2434) located in Marion County at 1300 S.W. 38th Avenue in Ocala, Florida. The existing plant is located on SW 38th Avenue, between SR 40 and SW 20th Street. The UTM coordinates are Zone 17, 384.5 km East, and 3227.8 km North. Original construction of the plant began in 2000. The existing Ocala Plant consists of miscellaneous woodworking equipment and three finishing lines to produce wood cabinets for kitchens and baths. This permit authorizes the construction of a fourth finishing line.

STATEMENT OF BASIS

This air pollution construction permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.), and Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.) and Title 40, Part 63, Subparts A and JJ of the Code of Federal Regulations. This permit incorporates the requirements of original Permit No. 0830137-001-AC and supersedes that permit. The permittee is authorized to install the proposed equipment in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department.

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- Section 1. General Information
- Section 2. Administrative Requirements
- Section 3. Emissions Units Specific Conditions
- Section 4. Appendices

Michael G. Cooke, Director
Division of Air Resource Management

(Date)

SECTION 1. GENERAL INFORMATION

FACILITY AND PROJECT DESCRIPTION

The Merillat Ocala Plant manufactures wooden kitchen and bath cabinets. It consists of woodworking equipment to fabricate and assemble wood components as well as finishing lines to apply coatings such as stains, glazes, toners, sealers, and topcoats. After completion of the 4th finishing line, the facility will consist of the following emissions units.

| ID | Emission Unit Description |
|-----|---|
| 001 | Wood Cabinet Finishing Lines 1, 2, and 3 (existing) |
| 002 | Wood Cabinet Finishing Line 4 (new construction) |
| 003 | Miscellaneous Woodworking Equipment (existing) |

REGULATORY CLASSIFICATION

Title III: The facility is a major source of hazardous air pollutants (HAP).

Title IV: The facility operates no units subject to the acid rain provisions of the Clean Air Act.

Title V: The facility is a Title V major source of air pollution in accordance with Chapter 213, F.A.C.

PSD: Prior to this project, the existing facility was considered a PSD-minor facility in accordance with Rule 62-212.400, F.A.C. Upon issuance of this permit, the facility is now classified as a PSD-major source of air pollution. Future projects must be reviewed for PSD applicability in accordance with the significant emissions rates specified in Rule 62-212.400, F.A.C.

NESHAP: The wood furniture finishing operations are subject to the National Emissions Standards for Hazardous Air Pollutants in Subpart JJ of 40 CFR 63, which is adopted by reference in Rule 62-204.800, F.A.C.

RELEVANT DOCUMENTS

The permit application and additional information received to make it complete are not a part of this permit; however, the information is specifically related to this permitting action and is on file with the Department.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: Applications for projects subject to PSD preconstruction review in accordance with Rule 62-212.400, F.A.C. shall be submitted to the Department's Bureau of Air Regulation at 2600 Blair Stone Road (MS #5505), Tallahassee, Florida 32399-2400. All documents related to applications for permits to operate shall be submitted to the Air Resources Section of the Department's Central District Office at 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Air Resources Section of the Department's Central District Office at 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767.
3. Appendices: The following Appendices are attached as part of this permit: Appendix A (Citation Format); Appendix B (General Conditions); Appendix C (Common Conditions); Appendix D (NESHAP Provisions) and Appendix E (Finishing Line Process Flow Chart).
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise indicated in this permit, the construction and operation of the subject emissions unit shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403 of the Florida Statutes (F.S.); Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.); and Title 40, Part 63 of the Code of Federal Regulations (CFR), adopted by reference in Rule 62-204.800, F.A.C. The terms used in this permit have specific meanings as defined in the applicable chapters of the Florida Administrative Code. The permittee shall use the applicable forms listed in Rule 62-210.900, F.A.C. and follow the application procedures in Chapter 62-4, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations. [Rules 62-204.800, 62-210.300 and 62-210.900, F.A.C.]
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No emissions unit or facility subject to this permit shall be constructed or modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]
7. Relaxations of Restrictions on Pollutant Emitting Capacity. If a previously permitted facility or modification becomes a facility or modification which would be subject to the preconstruction review requirements of this rule if it were a proposed new facility or modification solely by virtue of a relaxation in any federally enforceable limitation on the capacity of the facility or modification to emit a pollutant (such as a restriction on hours of operation), which limitation was established after August 7, 1980, then at the time of such relaxation the preconstruction review requirements of this rule shall apply to the facility or modification as though construction had not yet commenced on it. [Rule 62-212.400(2)(g), F.A.C.]
8. Title V Permit: This permit authorizes construction of the permitted emissions units and initial operation to determine compliance with Department rules. A Title V operation permit is required for regular operation of the permitted emissions unit. The permittee shall apply for a Title V operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation. To apply for a Title V operation permit, the applicant shall submit the appropriate application form, compliance test results, and such additional information as the Department may by law require. The application shall be submitted to the appropriate Permitting Authority with copies to the Compliance Authority. [Rules 62-4.030, 62-4.050, 62-4.220, and Chapter 62-213, F.A.C.]

SECTION 3: EMISSIONS UNIT SPECIFIC CONDITIONS

A. Wood Cabinet Finishing Lines 1 – 3 (EU-001) and Line 4 (EU-002)

This section of the permit addresses the following emissions units.

| ID | Description |
|-----|--|
| 001 | This emissions unit includes three identical manual application finishing lines (Lines 1, 2 and 3). Each finishing line consists of an overhead hanging conveyor system and a series of high-volume low-pressure (HVLP) spray equipment or equivalent, spray booths, flash-off areas, curing ovens, cool-down areas, associated ductwork, fans, and roof exhaust stacks. |
| 002 | This emissions unit includes one manual application finishing line (Line 4) consisting of an overhead hanging conveyor system and a series of high-volume low-pressure (HVLP) spray equipment or equivalent, spray booths, flash-off areas, curing ovens, cool-down areas, associated ductwork, fans, and roof exhaust stacks. |

{Permitting Note: Construction of Lines 1-3 began in 2000 in accordance with Permit No. 0830137-001-AC, which included a federally enforceable VOC limit to keep the project minor with respect to PSD preconstruction review. The conditions of Permit No. 0830137-001-AC are incorporated into this permit with minor revisions to provide detailed equipment descriptions and to specify the record keeping requirements necessary to ensure compliance with the original VOC limit separately from Line 4. The conditions of this permit supersede the conditions of Permit No. 0830137-001-AC.}

FEDERAL REQUIREMENTS

1. NESHAP: The wood finishing lines are subject to NESHAP Subparts A and JJ in 40 CFR 63, which is adopted and incorporated by reference in Rule 62-204.800(26), F.A.C. Appendix D of this permit identifies the regulations. Currently, Title V air operation Permit No. 0830137-002-AV specifies the applicable NEHSAP Subpart JJ requirements for Lines 1-3, which will also be applicable to Line 4 upon completion of construction. [Rule 62-204.800, F.A.C. ; 40 CFR 63, Subpart JJ]

EQUIPMENT

2. Finishing Lines

- a. *Lines 1-3*: The permittee is authorized to construct and operate three identical finishing lines (Lines 1, 2 and 3). Each line consists of the following process areas and equipment:
 - A pair of back-to-back spray booths for each application of toners, stains, sealers and topcoats (8 spray booths per line);
 - A flash-off area following each pair of sealer and topcoat spray booths (2 flash-off areas per line);
 - A gas-fired curing oven following each pair of toner, stain, sealer, and topcoat spray booths (4 ovens per line); and
 - A cool-down area following each sealer and topcoat oven (2 cool-down areas per line).

{Permitting Note: Lines 1-3 have already been constructed and are in operation. The conveyor line is designed for a maximum speed of approximately 16 feet per minute. For these lines, no new construction is authorized by the project.}

- b. *Line 4*: The permittee is authorized to construct and operate a fourth finishing line. Line 4 consists of the following process areas and equipment:
 - A pair of back-to-back spray booths for the application of sap primer, toners, stains, sealers and topcoats (10 total booths);

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

A. Wood Cabinet Finishing Lines 1 – 3 (EU-001) and Line 4 (EU-002)

- A flash-off area following each pair of sealer and topcoat spray booths;
- A gas-fired curing oven following each pair of sap primer, toner, stain, sealer, and topcoat spray booths (5 ovens per line); and
- A cool-down area following each sealer and topcoat oven (2 cool-down areas per line).

{Permitting Note: Line 4 does not yet exist and will be new construction. The conveyor line is designed for a maximum speed of approximately 30 feet per minute.}

- c. **Glaze Line:** The permittee is authorized to construct and operate a Glaze Line consisting of the following process areas and equipment: glaze booth, flash-off area, and oven followed by a topcoat booth, flash-off area, oven, and cool-down area. Cabinets finished on the Glaze Line and associated emissions shall be attributed to the line that first began finishing the cabinet, either Lines (1-3) or Line 4.

{Permitting Note: The glaze booth, flash-off area, and oven have already been constructed and are in operation. The topcoat booth, flash-off area, oven, and cool-down area do not yet exist and will be constructed. The conveyor line speed is expected to be approximately 15 feet per minute. Glaze is a specialty coating applied only on a limited amount of orders. Finishing would begin on one of the other four lines with the application of toner and stain. The cabinet would then be pulled from that line and finished on the Glaze Line.}

- d. **Offline Booths:** The permittee is authorized to construct and operate two offline systems, each consisting of a spray booth and oven. The offline spray booths see limited use in the repair of cabinets or finishing specialized parts. Cabinets finished in the Offline Booths and associated emissions shall be attributed to the line that first began finishing the cabinet or part, either Lines (1-3) or Line 4.

{Permitting Note: Generally, coatings are manually applied by operators in spray booths using high-volume low-pressure (HVLP) spray equipment. NESHAP Subpart JJ also allows equivalent equipment such as air-assisted or airless spray equipment. Spray booths consist of three walls, a roof, and one open side for operator entry. Wood components are transferred between process areas by an overhead hanging conveyor system. A small rectangular opening in each end wall of each spray booth allows parts to enter and exit the booth on the conveyor line. Electric fans exhaust air from the process areas through roof stacks. Other areas along the conveyor line include hand operations such as stain wiping and sanding. See Appendix E for a flow chart of the finishing lines.}

[Original Permit No. 0830137-001-AC; As Constructed; Application]

OPERATIONAL REQUIREMENTS

3. **Permitted Capacity:** The hours of operation are not limited (8760 hours per year). The permittee shall manage plant operations to ensure compliance with the VOC/HAP emissions limitations specified in this permit.

{Permitting Note: Lines 1, 2 and 3 each have a capacity of approximately 865 cabinets per line per day based on current coatings, work flow, two shifts per day, and the maximum conveyor line speed. The capacity of Line 4 is approximately 1800 cabinets per line per day based on similar coatings, proposed work flow, two shifts, and a maximum conveyor line speed nearly twice that of the other lines.}

[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

4. **Authorized Fuel – Curing Ovens:** Each curing oven shall fire only natural gas or propane (SCC No. 4-02-008-10).

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

A. Wood Cabinet Finishing Lines 1 – 3 (EU-001) and Line 4 (EU-002)

{Permitting Note: Lines 1-3 each include four ovens per line with a total maximum heat input rate of approximately 33 MMBtu per hour from all ovens. Line 4 will include five ovens with a total maximum heat input rate of approximately 18 MMBtu per hour from all ovens.}

[Rule 62-210.200(PTE), F.A.C.]

5. Pollution Prevention (P²) Methods: No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents (VOC/OS) without applying the following P² methods to minimize such emissions including, but not be limited to, the following:
- Tightly cover or close all VOC/OS containers when not in use;
 - When possible, tightly cover all open troughs, basins, baths, tanks, etc. when they are not in use;
 - Maintain all piping, valves, fittings, etc. in good operating condition;
 - Prevent excessive air turbulence across exposed containers of VOC/OS;
 - Immediately confine and clean up VOC/OS spills and make sure certain wastes are placed in closed containers for reuse, recycling or proper disposal;
 - Maintain appropriate records to demonstrate compliance with VOC/HAP emission limits.

[Rule 62-296.320(1)(a), F.A.C.]

EMISSIONS AND PERFORMANCE STANDARDS

6. Emissions Standards

- Lines (1–3)*: Total combined volatile organic compound (VOC) emissions from Lines (1-3) shall not exceed 249.0 tons during any consecutive 12 months. Total combined hazardous air pollutant (HAP) emissions from Lines (1-3) shall not exceed 249.0 tons during any consecutive 12 months.
- Line 4*: Total volatile organic compound (VOC) emissions from Line 4 shall not exceed 166.0 tons during any consecutive 12 months. Total hazardous air pollutant (HAP) emissions from Line 4 shall not exceed 166.0 tons during any consecutive 12 months.

[Design; Original Permit No. 0830137-003-AC; Rules 62-210.200 (PTE), and 62-212.400(2)(g) (Relaxation Provision), F.A.C.]

7. Objectionable Odor - Prohibited: No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor. An “objectionable odor” is defined as any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rules 62-296.320(2) and 62-210.200(181), F.A.C.]

MONITORING AND RECORDS

8. Material Content Records: For each VOC and HAP containing material in use at the plant (sap primers, stains, toners, sealers, topcoats, cleaning agents, etc.), the permittee shall keep records that identify each chemical constituent, the corresponding amount used, recognition as a VOC, and recognition as a HAP. Supporting documentation (i.e., chemical usage tracking logs, Material Safety Data Sheets, purchase orders, EPA “As Supplied” data sheets, EPA Method 24, etc.) shall be maintained on site for each chemical and related product to include sufficient information to determine usage rates and associated emissions. An electronic database may be used to store and report such information. These records shall be made

SECTION 3: EMISSIONS UNIT SPECIFIC CONDITIONS

A. Wood Cabinet Finishing Lines 1 – 3 (EU-001) and Line 4 (EU-002)

available to the Department upon request. [Original Permit No. 0830137-003-AC; Rule 62-4.070(3), F.A.C.]

9. Monthly VOC Log: To demonstrate compliance with the VOC/HAP emissions limitations of this permit, the permittee shall keep a monthly log of the following information:
- Identify and quantify each material used at the facility that has a VOC or HAP emission.
 - Quantify the VOC and HAP emissions for the month and consecutive 12-month total.
 - Calculate and record the quantity of cabinets produced on Lines (1–3) and Line 4 separately.
 - Allocate the monthly VOC and HAP emissions between Lines (1–3) and Line 4 separately based on cabinet production. For example:

$$\text{VOC}_{1-3} = \frac{(\text{VOC}_{\text{total}})(\text{Cabinets}_{1-3})}{(\text{Cabinets}_{\text{total}})}$$

$$\text{HAP}_{1-3} = \frac{(\text{HAP}_{\text{total}})(\text{Cabinets}_{1-3})}{(\text{Cabinets}_{\text{total}})}$$

Cabinets finished on the Glaze Line and Offline Booths shall be attributed to the line that first began finishing the cabinet, either Lines (1-3) or Line 4. It shall be assumed that all VOC/HAP in materials used are emitted to the atmosphere.

{Permitting Note: "Cabinets" are tracked by the average cabinet size, which is typically a front plus a door approximately 30 inches by 30 inches. The top, sides, and insides are not typically finished.}

- Calculate and record the total VOC and HAP emissions for Lines (1–3) and Line 4 for the 12-month rolling total.

The log shall be completed within 10 working days of the following month. The permittee may elect to test the effectiveness and reliability of flow meters to determine coating usage and emissions.

{Permitting Note: It would require a modification of this air construction permit to change the compliance demonstration to a method based on flow meters.}

[Rule 62-4.070(3), F.A.C.]

10. Duration of Records: All records required by this permit shall be kept on site for at least 5 years from the date of the sample, measurement, record, report, or application. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department. [Rules 62-4.070(3), 62-4.160(14), 62-213.440(1)(b), F.A.C.]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

B. Woodworking Operations (EU 003)

This section of the permit addresses the following emissions unit.

| ID | Description |
|-----|---|
| 003 | Woodworking operations include wood machining, sanding, fastening and gluing. Baghouse systems are used to control particulate matter emissions. Some baghouses return controlled exhaust air back into the building while others exhaust outside to the atmosphere through a series of rooftop stacks. |

CONTROL EQUIPMENT

1. Baghouses: The permittee shall install, maintain, and operate a baghouse on each woodworking operation that exhausts process air containing wood shavings and/or sawdust to the outside air. Each baghouse shall be designed for no more than 0.03 grains of particulate matter per dscf (99% or better particulate matter removal efficiency). [Original Permit No. 0830137-001-AC]

PERFORMANCE RESTRICTIONS

2. Restricted Operation: The hours of operation of are not limited (8760 hours per year). [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

3. Emissions Standards: The opacity from any baghouse exhausting to the outside air shall not exceed 5% based on a 6-minute average. The Department shall waive the particulate matter (PM) testing provided that baghouses are installed, operated, and maintained to effectively control PM emissions. However, the Department may require PM testing if it has reason to believe that emissions exceed specification of 0.03 grains per dry standard cubic foot. [Original Permit No. 0830137-001-AC; Rule 62-297.620(4), F.A.C.]

EMISSIONS PERFORMANCE TESTING

4. Opacity Tests: Within 30 days after being placed in operation, the permittee shall perform opacity observations for each baghouse vent that exhausts to the outside air to demonstrate compliance with the opacity standard. All tests shall be conducted in accordance with EPA Method 9 for at least 30 minutes with the associated woodworking process equipment in operation. [Original Permit No. 0830137-001-AC; Rule 62-297.310(4)(a)2, F.A.C.]
5. Test Notification: The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. [Rule 62-297.310(7)(a)9, F.A.C.]
6. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix C (Common Conditions) of this permit. [Rule 62-297.310(8), F.A.C.]

SECTION 4. APPENDICES
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- Appendix A. Citation Formats
- Appendix B. General Conditions
- Appendix C. Common State Regulatory Requirements
- Appendix D. NESHAP Provisions
- Appendix E. Finishing Line Process Flow Chart

SECTION 4. APPENDIX A

CITATION FORMATS

The following examples illustrate the format used in the permit to identify applicable permitting actions and regulations.

REFERENCES TO PREVIOUS PERMITTING ACTIONS

Old Permit Numbers

Example: Permit No. AC50-123456 or Air Permit No. AO50-123456

Where: “AC” identifies the permit as an Air Construction Permit
“AO” identifies the permit as an Air Operation Permit
“123456” identifies the specific permit project number

New Permit Numbers

Example: Permit Nos. 099-2222-001-AC, 099-2222-001-AF, 099-2222-001-AO, or 099-2222-001-AV

Where: “099” represents the specific county ID number in which the project is located
“2222” represents the specific facility ID number
“001” identifies the specific permit project
“AC” identifies the permit as an air construction permit
“AF” identifies the permit as a minor federally enforceable state operation permit
“AO” identifies the permit as a minor source air operation permit
“AV” identifies the permit as a Title V Major Source Air Operation Permit

PSD Permit Numbers

Example: Permit No. PSD-FL-317

Where: “PSD” means issued pursuant to the Prevention of Significant Deterioration of Air Quality
“FL” means that the permit was issued by the State of Florida
“317” identifies the specific permit project

RULE CITATION FORMATS

Florida Administrative Code (F.A.C.)

Example: [Rule 62-213.205, F.A.C.]

Means: Title 62, Chapter 213, Rule 205 of the Florida Administrative Code

Code of Federal Regulations (CFR)

Example: [40 CFR 60.7]

Means: Title 40, Part 60, Section 7

SECTION 4. APPENDIX B
GENERAL CONDITIONS

The permittee shall comply with the following general conditions from Rule 62-4.160, F.A.C.

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey and vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
 - a. Have access to and copy and records that must be kept under the conditions of the permit;
 - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit, and,
 - c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
 - a. A description of and cause of non-compliance; and
 - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida

SECTION 4. APPENDIX B

GENERAL CONDITIONS

Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
 - a. Determination of Best Available Control Technology (Not Applicable);
 - b. Determination of Prevention of Significant Deterioration (Not Applicable); and
 - c. Compliance with New Source Performance Standards (Not Applicable).
14. The permittee shall comply with the following:
 - a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application or this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - c. Records of monitoring information shall include:
 - 1) The date, exact place, and time of sampling or measurements;
 - 2) The person responsible for performing the sampling or measurements;
 - 3) The dates analyses were performed;
 - 4) The person responsible for performing the analyses;
 - 5) The analytical techniques or methods used; and
 - 6) The results of such analyses.
15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

SECTION 4. APPENDIX C

COMMON CONDITIONS

{Permitting Note: Unless otherwise specified in the permit, the following conditions apply to all emissions units and activities at the facility.}

EMISSIONS AND CONTROLS

1. Plant Operation - Problems: If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by fire, wind or other cause, the permittee shall notify each Compliance Authority as soon as possible, but at least within one working day, excluding weekends and holidays. The notification shall include: pertinent information as to the cause of the problem; steps being taken to correct the problem and prevent future recurrence; and, where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with the conditions of this permit or the regulations. [Rule 62-4.130, F.A.C.]
2. Circumvention: The permittee shall not circumvent the air pollution control equipment or allow the emission of air pollutants without this equipment operating properly. [Rule 62-210.650, F.A.C.]
3. Excess Emissions Prohibited: Excess emissions caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure that may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]
4. Excess Emissions - Notification: In case of excess emissions resulting from malfunctions, the permittee shall notify the Department or the appropriate Local Program in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department. [Rule 62-210.700(6), F.A.C.]
5. VOC or OS Emissions: No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. [Rule 62-296.320(1), F.A.C.]
6. Objectionable Odor Prohibited: No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rules 62-296.320(2) and 62-210.200(203), F.A.C.]
7. General Visible Emissions: No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20 percent opacity. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b)1, F.A.C.]
8. Unconfined Particulate Emissions: During the construction period, unconfined particulate matter emissions shall be minimized by dust suppressing techniques such as covering and/or application of water or chemicals to the affected areas, as necessary. [Rule 62-296.320(4)(c), F.A.C.]

TESTING REQUIREMENTS

9. Required Number of Test Runs: For mass emission limitations, a compliance test shall consist of three complete and separate determinations of the total air pollutant emission rate through the test section of the stack or duct and three complete and separate determinations of any applicable process variables corresponding to the three distinct time periods during which the stack emission rate was measured; provided, however, that three complete and separate determinations shall not be required if the process variables are not subject to variation during a compliance test, or if three determinations are not necessary in order to calculate the unit's emission rate. The three required test runs shall be completed within one consecutive five-day period. In the event that a sample is lost or one of the three runs must be discontinued because of circumstances beyond the control of the owner or operator, and a valid third run cannot be obtained within the five-day period allowed for the test, the Secretary or his or her designee may accept the results of two complete runs as proof of compliance, provided that the arithmetic mean of the two complete runs is at least 20% below the allowable emission limiting standard. [Rule 62-297.310(1), F.A.C.]
10. Operating Rate During Testing: Testing of emissions shall be conducted with the emissions unit operating at permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test rate until a new test is

SECTION 4. APPENDIX C

COMMON CONDITIONS

conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. [Rule 62-297.310(2), F.A.C.]

11. Calculation of Emission Rate: For each emissions performance test, the indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the three separate test runs unless otherwise specified in a particular test method or applicable rule. [Rule 62-297.310(3), F.A.C.]
12. Test Procedures: Tests shall be conducted in accordance with all applicable requirements of Chapter 62-297, F.A.C.
 - a. *Required Sampling Time*. Unless otherwise specified in the applicable rule, the required sampling time for each test run shall be no less than one hour and no greater than four hours, and the sampling time at each sampling point shall be of equal intervals of at least two minutes. The minimum observation period for a visible emissions compliance test shall be thirty (30) minutes. The observation period shall include the period during which the highest opacity can reasonably be expected to occur.
 - b. *Minimum Sample Volume*. Unless otherwise specified in the applicable rule or test method, the minimum sample volume per run shall be 25 dry standard cubic feet.
 - c. *Calibration of Sampling Equipment*. Calibration of the sampling train equipment shall be conducted in accordance with the schedule shown in Table 297.310-1, F.A.C.

[Rule 62-297.310(4), F.A.C.]

13. Determination of Process Variables

- a. *Required Equipment*. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.
- b. *Accuracy of Equipment*. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.

[Rule 62-297.310(5), F.A.C.]

14. Sampling Facilities: The permittee shall install permanent stack sampling ports and provide sampling facilities that meet the requirements of Rule 62-297.310(6), F.A.C.
15. Test Notification: The owner or operator shall notify the Department, at least 15 days 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 test contact person who will be responsible for coordinating and having such test conducted for the owner or operator. [Rule 62-297.310(7)(a)9, F.A.C.]
16. Special Compliance Tests: When the Department, 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 a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department. [Rule 62-297.310(7)(b), F.A.C.]
17. Test Reports: The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Department on the results of each such test. The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed. The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report, other than for an EPA or DEP Method 9 test, shall provide the following information:
 - I. The type, location, and designation of the emissions unit tested.

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COMMON CONDITIONS

2. The facility at which the emissions unit is located.
3. The owner or operator of the emissions unit.
4. The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
5. The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.
6. The type of air pollution control devices installed on the emissions unit, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.
7. A sketch of the duct within 8 stack diameters upstream and 2 stack diameters downstream of the sampling ports, including the distance to any upstream and downstream bends or other flow disturbances.
8. The date, starting time and duration of each sampling run.
9. The test procedures used, including any alternative procedures authorized pursuant to Rule 62-297.620, F.A.C. Where optional procedures are authorized in this chapter, indicate which option was used.
10. The number of points sampled and configuration and location of the sampling plane.
11. For each sampling point for each run, the dry gas meter reading, velocity head, pressure drop across the stack, temperatures, average meter temperatures and sample time per point.
12. The type, manufacturer and configuration of the sampling equipment used.
13. Data related to the required calibration of the test equipment.
14. Data on the identification, processing and weights of all filters used.
15. Data on the types and amounts of any chemical solutions used.
16. Data on the amount of pollutant collected from each sampling probe, the filters, and the impingers, are reported separately for the compliance test.
17. The names of individuals who furnished the process variable data, conducted the test, analyzed the samples and prepared the report.
18. All measured and calculated data required to be determined by each applicable test procedure for each run.
19. The detailed calculations for one run that relate the collected data to the calculated emission rate.
20. The applicable emission standard and the resulting maximum allowable emission rate for the emissions unit plus the test result in the same form and unit of measure.
21. A certification that, to the knowledge of the owner or his authorized agent, all data submitted are true and correct. When a compliance test is conducted for the Department or its agent, the person who conducts the test shall provide the certification with respect to the test procedures used. The owner or his authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his knowledge.

[Rule 62-297.310(8), F.A.C.]

RECORDS AND REPORTS

18. Records Retention: All measurements, records, and other data required by this permit shall be documented in a permanent, legible format and retained for at least five (5) years following the date on which such measurements, records, or data are recorded. Records shall be made available to the Department upon request. [Rules 62-4.160(14) and 62-213.440(1)(b)2, F.A.C.]
19. Annual Operating Report: The permittee shall submit an annual report that summarizes the actual operating rates and emissions from this facility. Annual operating reports shall be submitted to the Compliance Authority by March 1st of each year. [Rule 62-210.370(2), F.A.C.]

SECTION 4. APPENDIX D

NESHAP PROVISIONS

Rule 62-204.800, F.A.C. Federal Regulations Adopted by Reference

(11) Chapter 40 of the Code of Federal Regulations

Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories.

- (a) Definitions. For the purposes of subsection 62-204.800(10), F.A.C., the definitions contained in the various provisions of 40 CFR Part 63 adopted herein shall apply, except that the term, "Administrator," when used in any provisions of 40 CFR Part 63 that is delegated to the Department by the U.S. Environmental Protection Agency, shall mean the Secretary or the Secretary's designee.
- (b) Standards Adopted. The following National Emission Standards for Hazardous Air Pollutants contained in 40 CFR Part 63, revised as of July 1, 2001, or later as specifically indicated, are adopted and incorporated by reference:
 - 26. *40 CFR 63, Subpart JJ, Wood Furniture Manufacturing Operations; amended June 23, 2003, at 68 FR 37333; except that the Secretary is not the Administrator for purposes of 40 CFR 63.808(c)(1) through (5).*
- (c) The National Emission Standards for Hazardous Air Pollutants adopted by reference in this rule shall be controlling over other standards in the air pollution rules of the Department, except that any emissions limiting standard contained in or determined pursuant to the air pollution rules of the Department which is more stringent than one contained in a National Emission Standard, or which regulates pollutants or emissions units not regulated by an applicable National Emission Standard, shall apply.
- (d) General Subparts Adopted. The following general subparts of 40 CFR Part 63, revised as of July 1, 2001, or later as specifically indicated, are adopted and incorporated by reference.
 - 1. 40 CFR Part 63, Subpart A, General Provisions; amended February 27, 2002, at 67 FR 9156; amended April 5, 2002, at 67 FR 16581; amended February 18, 2003, at 68 FR 7706; amended April 21, 2003, at 68 FR 19375; amended May 20, 2003, at 68 FR 27645; amended May 23, 2003, at 68 FR 28605; amended May 27, 2003, at 68 FR 28774; amended May 28, 2003, at 68 FR 31745; amended May 29, 2003, at 68 FR 32171; amended May 30, 2003, at 68 FR 32585; amended November 13, 2003, at 68 FR 64431; amended December 19, 2003, at 68 FR 70959; amended January 2, 2004, at 69 FR 129; amended February 3, 2004 at 69 FR 5038; amended April 19, 2004, at 69 FR 20967; amended April 22, 2004, at 69 FR 21905; amended April 26, 2004, at 69 FR 22601; amended July 30, 2004, at 69 FR 45943; except that the Secretary is not the Administrator for purposes of 40 CFR 63.5(e), 40 CFR 63.5(f), 40 CFR 63.6(g), 40 CFR 63.6(h)(9), 40 CFR 63.6(j), 40 CFR 63.13, and 40 CFR 63.14.
 - 2. 40 CFR Part 63, Subpart B, Requirements for Control Technology Determinations for Major Sources in Accordance with Clean Air Act Sections, Sections 112(g) and 112(j); amended April 5, 2002, at 67 FR 16581; is adopted and incorporated by reference, subject to the following provisions.
 - a. The "effective date of Section 112(g)(2)(B)" as defined in 40 CFR 63.41 shall be July 1, 1997.
 - b. The "Notice of MACT Approval" as defined in 40 CFR 63.41 shall be the air construction permit.
 - c. The "permitting authority" as defined in 40 CFR 63.41 shall be the Department.
 - d. In lieu of the administrative procedures for review of the Notice of MACT Approval as set forth in 40 CFR 63.43(f)(1) through (5), the Department will follow the permit processing procedures of Rule 62-4.055, F.A.C.
 - e. In lieu of the opportunity for public comment on the Notice of MACT Approval as set forth in 40 CFR 63.43(h), the Department will provide opportunity for public comment on the Notice of MACT Approval pursuant to Rule 62-210.350, F.A.C.
 - f. The Notice of MACT Approval shall become effective upon issuance of the air construction permit by the Department.
 - 3. 40 CFR Part 63, Subpart C, List of Hazardous Air Pollutants, Petitions Process, Lesser Quantity Designations, Source Category List, revised as of July 1, 2004; amended November 29, 2004, at 69 FR 69320.

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NESHAP PROVISIONS

4. 40 CFR Part 63, Subpart D, Compliance Extensions for Early Reductions of Hazardous Air Pollutants, except any notice required to be published by the Department shall be prepared by the Department and published by the applicant with proof of publication submitted to the Department.
 5. 40 CFR Part 63, Subpart E, Approval of State Programs and Delegation of Federal Authorities; Section 63.90, Program Overview, only.
- (e) Appendices Adopted. The following appendices of 40 CFR Part 63, revised as of July 1, 2001, or later as specifically indicated, are adopted and incorporated by reference:
1. Appendix A, Test Methods.
 2. Appendix B, Sources Defined for Early Reduction Provisions.
 3. Appendix C, Determination of the Fraction Biodegraded (Fbio) in a Biological Treatment Unit.
 4. Appendix D, Alternative Validation Procedure for EPA Waste and Wastewater Methods.
 5. Appendix E, Monitoring Procedure for Non-thoroughly Mixed Open Biological Treatment Systems at Kraft Pulp Mills Under Unsafe Sampling Conditions.

40 CFR 63 Subpart JJ - National Emission Standards for Wood Furniture Manufacturing Operations

The following summarizes the generally applicable federal regulations. The applicable provisions are currently specified in the Title V air operation permit and are not repeated here.

| <u>Sec.</u> | <u>Title</u> |
|---------------|--|
| 63.800 | Applicability. |
| 63.801 | Definitions. |
| 63.802 | Emission limits. |
| 63.803 | Work practice standards. |
| 63.804 | Compliance procedures and monitoring requirements. |
| 63.805 | Performance test methods. |
| 63.806 | Recordkeeping requirements. |
| 63.807 | Reporting requirements. |
| 63.808 | Delegation of authority. |
| 63.809-63.819 | Reserved. |

Table 1. General Provisions (NESHAP Subpart A) Applicability to Subpart JJ

Table 2. List of Volatile Hazardous Air Pollutants

Table 3. Summary of Emissions Limits

Table 4. Pollutants Excluded from Use in Cleaning and Washoff Solvents

Table 5. List of VHAP of Potential Concern Identified by Industry

Table 6. VHAP of Potential Concern

Part 63, Appendix A: Test Methods Method 311 - Analysis of Hazardous Air Pollutant Compounds in Paints and Coatings by Direct Injection into a Gas Chromatograph

SECTION 4. APPENDIX E
FINISHING LINE PROCESS FLOW CHART

Merillat Ocala Plant - Finishing Line Process Flow Chart

"Light Grey" items are Existing Equipment

"Dark Grey" Items are New Equipment

