

TECHNICAL EVALUATION

AND

PRELIMINARY DETERMINATION

FOR

Johnson Controls Battery Group, Inc.

Hillsborough County

Air Construction Permit

Application Number

0570001-032-AC

Environmental Protection Commission of

Hillsborough County

Tampa, FL

July 8, 2014

I. Project Description

A. Applicant:

Tracy Breeding
Plant Manager
Johnson Controls Battery Group, Inc.
10215 N. 30th St.
Tampa, FL 33612

B. Engineer:

Clifford Koenig, P.E.
HDR Engineering, Inc.
200 W. Forsyth St., Suite 800
Jacksonville, FL 32202-4321

C. Project and Location:

This permit authorizes the following:

1. Removal of the existing Chemset Curing Chamber Nos. 1-4 and the eight heaters associated with the chambers.
2. Construction of four new Chemset Curing Chambers (Chamber Nos. 1-4).
3. Installation of four new heaters associated with the new Chemset Curing Chamber Nos. 1-4. Each chemset curing chamber will have one heater rated at 1.0 MMBtu/hr.
4. Modify the existing Chemset Curing Chamber No. 5 (EU No. 033) by installing a new fan with an airflow rate of 6,000 ACFM.
5. Revise the particulate matter emissions for all six (6) chemset curing chambers based on 6,800 hours of operation/year per chamber.
6. Reconfigure the exhaust from the existing trim dry oven (EU No. 041) to vent to the new 22,564 DSCFM American Air Filter Millennium, Size 12-336-5387, baghouse, with a secondary HEPA filter, which will also control emissions from the 3 Pellet Casters, the Strip Caster, and the Sovema Nos. 2 and 3 Mills' Cooling Water Exhaust (EU No. 053).
7. In addition to the changes requested on June 9, 2014, JCBGI requested, on June 2, 2014, to relax the PM and Pb annual tests for all their emission units.
8. Revise the potential Pb emissions from the three Sovema Mills (EU Nos. 042, 055, and 056). Potential emissions are based on the federal standard of 0.01 lb/ton of material feed which is more stringent than the limits specified in Rule 62-296.602, F.A.C.

The project has been assigned the following NEDS Source Classification Code (SCC) Nos.:

1. For the Chemset Curing Chambers and the Trim Dry Oven: 3-04-005-99 - Industrial Processes; Secondary Metal Production; Lead Battery Manufacture; Other Not Classified

2. For the Chemset Heaters and the Trim Dry Oven Natural Gas Usage: 3-99-900-03 - Industrial Processes; Miscellaneous Manufacturing Industries; Miscellaneous Manufacturing Industries; Natural Gas: Process Heaters

The facility has been assigned SIC Industry No. 36 – Electronic and Other Electrical Equipment and Components. The project will take place at 10215 North 30th St., Tampa, FL 33612. UTM Coordinates are 17-359.9 East and 3102.5 North.

D. Process and Controls:

The automotive and marine battery manufacturing process begins by melting lead ingots and casting the lead in the strip caster to make grids. Pasting machines force a paste of lead oxide powder, water, and sulfuric acid into the interstices of the expanded grids after which these are referred to as plates.

The pasted plates are flash dried, cut, stacked, and then placed on plate trucks. The plate trucks are placed in one of six Chemset Curing Chambers where the plates are cured in a controlled environment to convert the free lead in the plates to lead oxide. Once the batch cycle has finished, the cured plates are stacked into groups. The groups are loaded in one of the four COS machines where molten lead is poured around the plate lugs to form a strap. The group of plates joined by a strap is called an element.

The elements are assembled into battery cases. The straps are welded to each other to connect the elements. A cover is then heat sealed to the battery case. The batteries are then immersed in a dilute sulfuric acid solution and connected to the corresponding pole of a direct current source.

Each new chemset curing chamber and corresponding heater will vent to the atmosphere uncontrolled. The new Chemset Curing Chamber Nos. 1 and 2 (EU No. 060) will vent through the same stack, stack number 380, and will have a combined stack flowrate of 10,329 dscfm. In addition, the new Chemset Curing Chamber Nos. 3 and 4 (EU No. 061) will vent through the same stack, stack number 381, and will also have a combined stack flowrate of 10,329 dscfm. Chemset Curing Chamber No. 5 (EU No. 033) will vent through its own stack, stack number 266, and will have a stack flowrate of 5,165 dscfm. In addition, Chemset Curing Chamber No. 6 (EU No. 047) vents through its own stack, stack number 367, and has a stack flowrate of 5,165 dscfm. No physical changes to Chemset Curing Chamber No. 6 are being made as part of this project.

The Trim Dry Oven is used to flash off cutting fluid from the scrap material generated during the strip casting process. This allows the scrap material to be reused. Currently, the trim dry oven vents uncontrolled to the atmosphere. This permit authorizes venting the oven to the baghouse that will control emissions from the 3 Pellet Casters, the Strip Caster, and the Sovema Nos. 2 and 3 Mills' Cooling Water Exhaust (EU No. 053). This baghouse, a 22,564 DSCFM American Air Filter Millennium, Size 12-336-5387, baghouse, with a secondary HEPA filter, was permitted as part of the expansion project authorized in Permit No. 0570001-031-AC.

Also, this permit revises the PM and Pb testing requirements from annual to two (2) times in a 5 year cycle, based on the operating permit renewal cycle. This will give JCBGI flexibility in reducing operating costs at the Tampa facility. Since the facility is a Synthetic minor facility for PM and Pb emissions, the State regulations allow for testing once every 5 years. However, since the facility is within 5% of the Title V threshold for PM emissions and it has very low lead emission standards, it was determined that the test frequency could be reduced to 2 times in a renewal cycle, provided that the test results are less than 50% of the standard for PM and Pb. If the test results are greater than 50%, then the facility will have to test the following year. The test results from the past 5 years for all the emission units were also reviewed to support this determination.

The lead emissions from each chemset curing chamber are limited to 0.000437 gr/dscf, which is equivalent to 0.085 TPY per chamber and 0.51 TPY combined for all six chambers. The particulate matter emissions from each chemset curing chamber are limited to 0.015 gr/dscf, which is equivalent to 2.26 TPY per chamber and 13.56 TPY combined for all six chambers.

The particulate matter emissions from the chemset chambers are based on the air flowrate of the stack, the grain loading standard, and 6,800 hours/year of operation of each chamber exhaust fan. Based on information provided by the facility, the exhaust fan does not operate during the first 14 hours of each batch curing operation. In accordance with JCBGI, during the times when the fan is not exhausting emissions to the atmosphere, there are no particulate matter emissions from the chamber during this period. Therefore, the emissions are based on 142 batches/year and 48 hours of operation per batch, with a maximum fan operating hours of 6,800 hours/year per chamber.

This project is subject to Rule 62-296.601, F.A.C. - Lead Processing Operations (General); Rule 62-296.602, F.A.C. - Primary Lead-Acid Battery Manufacturing Operations; and Rule 62-296.712, F.A.C. - Miscellaneous Manufacturing Process Operations. In addition, the project is subject to 40 CFR 60, Subpart KK - Standards of Performance for Lead-Acid Battery Manufacturing Plants and 40 CFR 63, Subpart PPPPPP - National Emission Standards for Hazardous Air Pollutants for Lead Acid Battery Manufacturing Area Sources.

The heaters are not subject to 40 CFR 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines or 40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines because they do not meet the definition of a stationary internal combustion engine pursuant to 40 CFR 60.4219 and 40 CFR 63.6675.

E. Application Information:

Received on: June 5, 2014
Information Requested: N/A
Application Complete: June 5, 2014

II. Rule Applicability

This project is subject to the pre-construction review requirements of Chapter 403, Florida Statutes, Chapters, 62-204, 62-210, 62-212, 62-296, and 62-297, Florida Administrative Code (F.A.C.) and Chapter 1-3 of the Rules of the Environmental Protection Commission of Hillsborough County.

This project is not subject to the requirements of Rule 62-212.400, Prevention of Significant Deterioration, F.A.C. or Rule 62-212.500, New Source Review for Non-attainment Areas, F.A.C., since the facility is a synthetic minor facility by state definition.

This project is subject to the requirements of Rule 62-212.300, Sources Not Subject to Prevention of Significant Deterioration or Non-attainment Requirements, F.A.C., since the project is not exempt from the permit requirements in Rule 62-210.300, F.A.C.

This project is subject to the requirements of Rule 62-296.320, General Pollutant Emission Limiting Standards, F.A.C., since this project is a source of particulate matter.

This project is not subject to the requirements of Rule 62-296.401 through 62-296.470, Specific Emission Limiting and Performance Standards, F.A.C., since there is not an applicable source category.

This project is not subject to the requirements of Rule 62-296.500, Reasonably Available Control Technology for VOCs, F.A.C., since there is not an applicable source category for this source.

This project is subject to the requirements of Rule 62-296.600, F.A.C., Reasonably Available Control Technology for Lead, since there are applicable source categories for this source, specifically, Rule 62-296.601, F.A.C. - Lead Processing Operations (General) and Rule 62-296.602, F.A.C. - Primary Lead-Acid Battery Manufacturing Operations since the project is a source of lead and lead compound emissions.

This project is subject to the requirements of Rule 62-296.700, Reasonably Available Control Technology for Particulate Matter, F.A.C., since there is an applicable source category for this source, specifically, Rule 62-296.712, F.A.C. - Miscellaneous Manufacturing Process Operations, since facility's potential particulate matter emissions are greater than 5 pounds/hour and 15 tons per year.

This project is subject to the requirements of Rule 62-204.800, Federal Regulations Adopted by Reference, F.A.C., since there are applicable source categories for this source, specifically, 40 CFR 60, Subpart KK - Standards of Performance for Lead-Acid Battery Manufacturing Plants and 40 CFR 63, Subpart P - National Emission Standards for Hazardous Air Pollutants for Lead Acid Battery Manufacturing Area Sources.

This project is subject to the requirements of Chapter 84-446, Laws of Florida and Chapter 1-3, Rules of the Environmental Protection Commission of Hillsborough County.

III. Summary of Emissions for the Emission Unit Modified

EU No.	Emission Unit Description	<u>Actual PM Emissions (TPY)</u>	<u>Potential PM Emissions (TPY)</u>	<u>PM Emissions Increase (TPY)</u>	<u>Allowable Emissions (gr/dscf)</u>
033	Chemset Curing Chamber No. 5	0.02	2.26	2.24	0.015
038	One Chemset Heater for Chamber No. 5	0.02	0.03	0.01	NA
042	Sovema Mill No. 1	0.007	2.03	2.02	0.015
047	Chemset Curing Chamber No. 6	0.01	2.26	2.26	0.015
048	One Chemset Heater for Chamber 6	0.003	0.04	0.04	NA
053	3 Pellet Casters, Strip Caster, Sovema Nos. 2 & 3 Mills' Cooling Water Exhaust, and Trim Dry Oven	0	8.47	8.47	0.01
055	Sovema Mill No. 2	0	2.22	2.22	0.01
056	Sovema Mill No. 3	0	2.22	2.22	0.01
060	Chemset Curing Chamber Nos. 1 and 2	0	4.52	4.52	0.015
061	Chemset Curing Chamber No. 3 and 4	0	4.52	4.52	0.015
062	Two Chemset Heaters for Chambers 1 and 2	0	0.07	0.07	NA
063	Two Chemset Heaters for Chambers 3 and 4	0	0.07	0.07	NA
	Total	0.06	28.7	28.7	

- Actual Emissions for EU Nos. 033, 038, 042, 047, and 048 are based on the average of 2012 and 2013 AOR data
- Potential Emissions for EU Nos. 033, 047, 060, and 061 are based on the stack flowrates, 6,800 hours of operation, and the allowable (gr/dscf) emissions.
- Potential Emissions for EU No. 042, 055, 053, and 056 are based on the stack flowrates, 8,760 hours of operation, and the allowable (gr/dscf) emissions.
- Potential Emissions for EU Nos. 038, 048, 062, 063 are based on the rating of the heater and emission factors from AP 42 Ch. 3.3 - Gasoline and Diesel Industrial Engines

EU No.	Emission Unit Description	<u>Actual Pb Emissions (TPY)</u>	<u>Potential Pb Emissions (TPY)</u>	<u>Pb Emissions Increase (TPY)</u>	<u>Allowable Emissions (gr/dscf)</u>
033	Chemset Curing Chamber No. 5	0.001	0.085	0.084	0.000437
047	Chemset Curing Chamber No. 6	0.0003	0.085	0.085	0.000437
042, 055, 056	Sovema Mill Nos. 1-3	0.00009	0.185	0.185	0.01 lb/ton
053	3 Pellet Casters, Strip Caster, Sovema Nos. 2 & 3 Mills' Cooling Water Exhaust, and Trim Dry Oven	0	0.281	0.281	0.000175 and 0.000437
060	Chemset Curing Chamber No.s 1 and 2	0	0.169	0.169	0.000437
061	Chemset Curing Chamber No. 3 and 4	0	0.169	0.169	0.000437
	Total	0.001	0.974	0.973	

- Actual Emissions for EU Nos. 033, 042, and 047 are based on the average of 2012 and 2013 AOR data
- Potential Emissions for EU Nos. 033, 047, 060, and 061 are based on the stack flowrates, 6,800 hours of fan operation, and the allowable (gr/dscf) emissions.
- Potential Emissions for EU Nos. 042, 055, and 056 are based on a combined throughput rate of 8,450 pounds PbO/hour, 8,760 hours/year per mill, and the federal Pb emission standard of 0.01 lb Pb per ton of material.
- Potential Emissions for EU No. 053 is based on the stack flowrate, 8,760 hours of operation, and the allowable (gr/dscf) emissions.

EU No.	Emission Unit Description	<u>Actual NOx Emissions (TPY)</u>	<u>Potential NOx Emissions (TPY)</u>	<u>NOx Emissions Increase (TPY)</u>	<u>Actual SO2 Emissions (TPY)</u>	<u>Potential SO2 Emissions (TPY)</u>	<u>SO2 Emissions Increase (TPY)</u>
038	One Chemset Heater for Chamber No. 5	0.2	0.4	0.2	0.001	0.003	0.002
048	One Chemset Heater for Chamber 6	0.04	0.6	0.6	0.001	0.003	0.002
062	Two Chemset Heaters for Chambers 1 and 2	0	0.9	0.9	0	0.005	0
063	Two Chemset Heaters for Chambers 3 and 4	0	0.9	0.9	0	0.005	0
	Total	0.2	2.8	2.6	0.002	0.2	0.2

- Actual Emissions for EU Nos. 038 and 048 are based on the average of 2012 and 2013 AOR data
- Potential Emissions for EU Nos. 038, 048, 062, 063 are based on the rating of the heater and emission factors from AP 42 Ch. 3.3 - Gasoline and Diesel Industrial Engines

EU No.	Emission Unit Description	<u>Actual CO Emissions (TPY)</u>	<u>Potential CO Emissions (TPY)</u>	<u>CO Emissions Increase (TPY)</u>	<u>Actual VOC Emissions (TPY)</u>	<u>Potential VOC Emissions (TPY)</u>	<u>VOC Emissions Increase (TPY)</u>
038	One Chemset Heater for Chamber No. 5	0.05	0.4	0.4	0.01	0.02	0.01
048	One Chemset Heater for Chamber 6	0.01	0.5	0.5	0.002	0.03	0.03
062	Two Chemset Heaters for Chambers 1 and 2	0	0.7	0.7	0	0.05	0.05
063	Two Chemset Heaters for Chambers 3 and 4	0	0.7	0.7	0	0.05	0.05
	Total	0.06	2.3	2.3	0.012	0.2	0.1

- Actual Emissions for EU Nos. 038 and 048 are based on the average of 2012 and 2013 AOR data

- Potential Emissions for EU Nos. 038, 048, 062, 063 are based on the rating of the heater and emission factors from AP 42 Ch. 3.3 - Gasoline and Diesel Industrial Engines

IV. Conclusions:

The emission limits proposed by the applicant will meet all of the requirements of Chapters 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C., and Chapter 1-3, Rules of the Commission.

The General and Specific Conditions listed in the proposed permit (attached) will assure compliance with all the applicable requirements of Chapters 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C.

V. Proposed Agency Action:

Pursuant to Section 403.087, Florida Statutes and Rule 62-4.070, Florida Administrative Code the Environmental Protection Commission of Hillsborough County hereby gives notice of its intent to issue a permit to construct the aforementioned air pollution source in accordance with the draft permit and its conditions as stipulated (see attached).

CERTIFIED MAIL

In the Matter of an
Application for Permit by:

Tracy Breeding
Plant Manager
Johnson Controls Battery Group, Inc.
10215 N. 30th St.
Tampa, FL 33612

File No.: 0570001-032-AC
County: Hillsborough

INTENT TO ISSUE

The Environmental Protection Commission of Hillsborough County (EPC), as delegated by the Florida Department of Environmental Protection (DEP) gives notice of its intent to issue a permit (copy attached) for the proposed project as detailed in the application specified above, for the reasons stated below.

The applicant, Johnson Controls Battery Group, Inc., applied on June 5, 2014, to the EPC for an air construction permit to replace the Chemset Curing Chamber Nos. 1-4 and the associated heaters; to vent the existing trim dry oven to the new 22,564 DSCFM American Air Filter Millennium baghouse; and to reduce the testing frequency of the emission units.

The EPC has permitting jurisdiction under Chapter 403 Florida Statutes (F.S.) and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210 and 62-212. The project is not exempt from permitting procedures. The EPC has determined that an air pollution construction permit is required to commence or continue operations at the described facility.

The EPC intends to issue this permit based on the belief that reasonable assurances have been provided to indicate that operation of the source will comply with the appropriate provisions of Florida Administrative Code (F.A.C.) Chapters 62-204 through 62-297 and 62-4.

Pursuant to Section 403.815 and Rule 62-110.106(7)(a)1., F.A.C, you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue Permit. The notice shall be published one time only within 30 days of receipt of this Intent to Issue, in the legal advertisement section of a newspaper of general circulation in the area affected.

For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used must be one with significant circulation in the area that may be affected by the permit. If you are uncertain that a newspaper meets these requirements, please contact the EPC at the address or telephone number listed below. **The applicant shall provide proof of publication to the EPC, Air Permitting Section, at 3629 Queen Palm Drive, Tampa, Florida 33619 (Phone 813-627-2600 - FAX 813-627-2660) within 7 (seven) days of publication, pursuant to Rule 62-110.106(5), F.A.C.** Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit pursuant to Rule 62-110.106(9)&(11), F.A.C.

The EPC will issue the final permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Section 120.569 and 120.57 F.S. before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Legal Department of the EPC at 3629 Queen Palm Drive, Tampa, Florida 33619, Phone 813-627-2600, Fax 813-627-2602. Petitions filed by the permit applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), however, any person who asked the EPC for notice of agency action may file a petition within 14 (fourteen) days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S.; or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the EPC's action is based is required to contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number if known;
- (b) The name, address, and telephone number of the petitioner and the name, address, and telephone number of each petitioner's representative, if any, which shall be the address for service purposes during the course of the proceedings; and an explanation of how the petitioner's substantial interests will be affected by the EPC's determination;
- (c) A statement of how and when the petitioner received notice of the EPC action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner

contends warrant reversal or modification of the EPC's proposed action;

(f) A statement of specific rules or statutes that the petitioner contends requires reversal or modification of the EPC's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and

(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the EPC to take with respect to the EPC's proposed action.

A petition that does not dispute the material facts upon which the EPC's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the EPC's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the EPC on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under section 120.573, F.S. is not available in this proceeding.

This action is final and effective on the date filed with the Clerk of the EPC unless a petition is filed in accordance with above. Upon the timely filing of a petition, this order will not be effective until further order of the EPC.

In addition to the above, a person subject to regulation has a right to apply to the Department of Environmental Protection for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542, F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, FL 32399-3000. The petition must specify the following information:

- (a) The name, address, and telephone number of the petitioner,
- (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any,
- (c) Each rule or portion of a rule from which a variance or waiver is requested,
- (d) The citation to the statute underlying (implemented by) the rule identified in (c) above,
- (e) The type of action requested,
- (f) The specific facts that would justify a variance or waiver for the petitioner,
- (g) The reason by the variance or waiver would serve the purposes of the underlying statute (implemented by the rule), and
- (h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a

statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of the those terms is defined in Section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of United States Environmental Protection Agency and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

Any person listed below may request to obtain additional information, a copy of the application (except for information entitled to confidential treatment pursuant to Section 403.111, F.S.), all relevant supporting materials, and all other materials available to the EPC that are relevant to the permit decision. Interested persons may contact Diana M. Lee, P.E., at the above address or call (813) 627-2600, for additional information.

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 EPC's Legal Office at 3629 Queen Palm Drive, Tampa, Florida 33619 and 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 days after this order is filed with the clerk of the Department.

Executed in Tampa, Florida

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

Richard D. Garrity, Ph.D.
Executive Director

cc: Florida Department of Environmental Protection (via email)
Clifford Koenig, P.E. – HDR Engineering, Inc. (via email)

CERTIFICATE OF SERVICE

The undersigned duly designated clerk hereby certifies that this INTENT TO ISSUE and all copies were mailed before the close of business on _____ to the listed persons.

FILING AND ACKNOWLEDGEMENT

FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated clerk, receipt of which is hereby acknowledged.

Clerk

Date

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY
NOTICE OF INTENT TO ISSUE PERMIT

The Environmental Protection Commission of Hillsborough County (EPC), as delegated by the Florida Department of Environmental Protection (DEP) gives notice of its intent to issue air pollution permit No. 0570001-032-AC to Johnson Controls Battery Group, Inc., to replace the Chemset Curing Chamber Nos. 1-4 and the associated heaters; to vent the trim dry oven to the new 22,564 DSCFM American Air Filter Millennium baghouse; and to reduce the testing frequency of the emission units. The synthetic non-TV facility is located at 10215 N 30th St., Tampa, FL 33612.

A Best Available Control Technology (BACT) determination was not required.

The EPC will issue the Final permit with the conditions of the DRAFT permit unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57, F.S. before the deadline for filing a petition. The procedures for petitioning for hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Legal Department of the EPC at 3629 Queen Palm Drive, Tampa, Florida 33619, Phone 813-627-2600, Fax 813-627-2602. Petitions filed by the permit applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), however, any person who asked the EPC for notice of agency action may file a petition within 14 (fourteen) days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the F.A.C.

A petition that disputes the material facts on which the EPC's action is based must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number if known;
- (b) The name, address, and telephone number of the petitioner, and the name, address, and telephone number of each petitioner's representative, if any, which shall be the address for service purposes during the course of the proceedings; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of how and when petitioner received notice of the EPC action;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the EPC proposed action;

(f) A statement of specific rules or statutes the petitioner contends requires reversal or modification of the EPC's proposed action; and

(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the EPC to take with respect to the EPC's proposed action.

A petition that does not dispute the material facts upon which the EPC's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above as required by Rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the EPC's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the EPC on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under section 120.573, F.S. is not available in this proceeding.

This action is final and effective on the date filed with the Clerk of the EPC unless a petition is filed in accordance with above. Upon the timely filing of a petition this order will not be effective until further order of the EPC.

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 EPC's Legal Office at 3629 Queen Palm Drive, Tampa, Florida 33619 and 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 days after this order is filed with the clerk of the Department.

The complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Environmental Protection Commission of Hillsborough County, 3629 Queen Palm Drive, Tampa, Florida 33619. The complete project file includes the proposed Permit, the application, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact Diana M. Lee, P.E., at the above address, or call 813-627-2600, for additional information. Any written comments filed shall be available for public inspection. If written comments received result in a significant change in the proposed agency action, the EPC shall revise the proposed permit and require, if applicable, another Public Notice.

ENVIRONMENTAL PROTECTION COMMISSION OF
HILLSBOROUGH COUNTY, as Delegated by
STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF PERMIT

Tracy Breeding
Plant Manger
Johnson Controls Battery Group, Inc.
10215 N 30th St.
Tampa, FL 33612

Dear Ms. Breeding:

Enclosed is Permit Number 0570001-032-AC to replace the Chemset Curing Chamber Nos. 1-4 and the associated heaters; to vent the existing trim dry oven to the new 22,564 DSCFM American Air Filter Millennium baghouse; and to reduce the testing frequency of the emission units, issued pursuant to Section 403.087, Florida Statutes.

Any party to this order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the EPC in the Legal Department at 3629 Queen Palm Drive, Tampa, FL 33619; 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 of Appeal must be filed within 30 days from the date this Notice is filed with the clerk of the EPC.

Executed in Tampa, Florida

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

Richard D. Garrity, Ph.D.
Executive Director

RDG/LAW/law

Johnson Controls Battery Group, Inc.
Tampa, FL 33612

Page 2 of 2

cc: Florida Department of Environmental Protection (via email)
Clifford Koenig, P.E. – HDR Engineering, Inc.

CERTIFICATE OF SERVICE

The undersigned duly designated clerk hereby certifies that this INTENT TO ISSUE and all copies were mailed before the close of business on _____ to the listed persons.

FILING AND ACKNOWLEDGEMENT

FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated clerk, receipt of which is hereby acknowledged.

Clerk

Date

PERMITTEE:

Johnson Controls Battery Group, Inc.
10215 N. 30th St.
Tampa, FL 33612

PERMIT/CERTIFICATION

Permit No.: 0570001-032-AC
County: Hillsborough
Expiration Date: August 30, 2015
Project: Chemset Curing Chambers Replacement and
Trim Dry Oven Modification

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 62-204, 62-210, 62-212, 62-296, 62-297, and 62-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the EPC and made a part hereof and specifically described as follows:

This permit authorizes the following at the automotive and marine battery manufacturing facility:

1. Removal of the existing Chemset Curing Chamber Nos. 1-4 and the eight heaters associated with the chambers.
2. Construction of four new Chemset Curing Chambers (Chamber Nos. 1-4).
3. Installation of four new heaters associated with the new Chemset Curing Chamber Nos. 1-4. Each chemset curing chamber will have one heater rated at 1.0 MMBtu/hr.
4. Modify the existing Chemset Curing Chamber No. 5 (EU No. 033) by installing a new fan with an airflow rate of 6,000 ACFM.
5. Revise the particulate matter emissions for all six (6) chemset curing chambers based on 6,800 hours of operation/year per chamber.
6. Reconfigure the exhaust from the existing trim dry oven (EU No. 041) to vent to the new 22,564 DSCFM American Air Filter Millennium, Size 12-336-5387, baghouse, with a secondary HEPA filter, which will also control emissions from the 3 Pellet Casters, the Strip Caster, and the Sovema Nos. 2 and 3 Mills' Cooling Water Exhaust (EU No. 053).
7. In addition to the changes requested on June 9, 2014, JCBGI requested, on June 2, 2014, to relax the PM and Pb annual tests for all their emission units.
8. Revise the potential Pb emissions from the three Sovema Mills (EU Nos. 042, 055, and 056). Potential emissions are based on the federal standard of 0.01 lb/ton of material feed which is more stringent than the limits specified in Rule 62-296.602, F.A.C.

Each chemset curing chamber and the corresponding heater will vent to the atmosphere uncontrolled. The new Chemset Curing Chamber Nos. 1 and 2 (EU No. 060) will vent through the same stack and will have a combined stack flowrate of 10,329 dscfm. In addition, the new Curing Chemset Chamber Nos. 3 and 4 (EU No. 061) will vent through the same stack and will also have a combined stack flowrate of 10,329 dscfm. Chemset Curing Chamber No. 5 (EU No. 033) will vent through its own stack and will have a stack flowrate of 5,165 dscfm. In addition, Chemset Curing Chamber No. 6 (EU No. 047) vents through its own stack and has a stack flowrate of 5,165 dscfm. No physical changes to Chemset Curing Chamber No. 6 are being made as part of this project.

The Trim Dry Oven is used to flash off cutting fluid from the scrap material generated during the strip casting process. This allows the scrap material to be reused. Currently, the trim dry oven vents uncontrolled to the atmosphere. This permit authorizes venting the oven to the baghouse that will control emissions from the 3 Pellet Casters, the Strip Caster, and the Sovema Nos. 2 and 3 Mills' Cooling Water Exhaust (EU No. 053). This baghouse, a 22,564 DSCFM American Air Filter Millennium, Size 12-336-5387, baghouse, with a secondary HEPA filter, was permitted as part of the expansion project authorized in Permit No. 0570001-031-AC.

The automotive and marine battery manufacturing process begins by melting lead ingots and casting the lead in the strip caster to make grids. Pasting machines force a paste of lead oxide powder, water, and sulfuric acid into the interstices of the expanded grids after which these are referred to as plates.

The pasted plates are flash dried, cut, stacked, and then placed on plate trucks. The plate trucks are placed in one of six Chemset Curing Chambers where the plates are cured in a controlled environment to convert the free lead in the plates to lead oxide. Once the batch cycle has finished, the cured plates are stacked into groups. The groups are loaded in one of the four COS machines where molten lead is poured around the plate lugs to form a strap. The group of plates joined by a strap is called an element.

The elements are assembled into battery cases. The straps are welded to each other to connect the elements. A cover is then heat sealed to the battery case. The batteries are then immersed in a dilute sulfuric acid solution and connected to the corresponding pole of a direct current source.

The pollutants from the emission units are identified along with their respective control device and stack designations in the table below.

<u>Source</u>	<u>EU No.</u>	<u>Pollutant</u>	<u>Control Device</u>	<u>Stack No.</u>
Cast-On-Strap Line No. 1	002	PM, Pb, Opacity	13,747 DSCFM Ruemelin 4120	134A
Central Vacuum System	005	PM, Pb, Opacity	2 Wheelabrator Model No. 1036PA108 Baghouses each followed by Scientific Dust Collector and 3,400 DSCFM combined discharge	340

<u>Source</u>	<u>EU No.</u>	<u>Pollutant</u>	<u>Control Device</u>	<u>Stack No.</u>
Dry/Wet Mixing Process for Pasting Lines No. 1 and No. 3 (includes 2 ovens)	017	PM, NO _x , CO, VOC, SO ₂ , Pb	11,134 DSCFM American Air Filter Model No. 12-168-2694 Baghouse	234
Cast-On-Strap Line No. 2	018	PM, Pb, Opacity	15,056 DSCFM American Air Filter Model No. 12-216-3464 Baghouse	198
Pasting Line No. 3	022	PM, Pb, Opacity	11,957 DSCFM Ruemelin 4120 Baghouse	134B
Chemset Curing Chamber-5	033	PM, Pb, Opacity	None (5,165 dscfm)	266
Pasting Line No. 1	034	PM, Pb, Opacity	14,312 DSCFM Ruemelin 7,200 Baghouse followed by nine HEPA filters in series	134
One Chemset Heater for Chamber5	038	PM, VOC, NO _x , SO ₂ , CO, Opacity	None (1.0 MMBtu/hr)	343
Sovema Mill #1 Process Stack	042	PM, Pb, Opacity	3,600 DSCFM Sovema Model NF 8000 Baghouse with secondary HEPA filter	348
Chemset Curing Chamber 6	047	PM, Pb, Opacity	None (5,165 dscfm)	367
One Chemset Heater for Chamber 6	048	PM, VOC, NO _x , SO ₂ , CO, Opacity	None (1.3 MMBtu/hr)	368
Cast-On-Strap Line No. 3 (Mark 7B)	050	PM, Pb, Opacity	23,946 DSCFM American Air Filter Model 312-288-4618 Baghouse	204*
Stackers (2)	051	PM, Pb, Opacity	14,420 DSCFM Seneca Model 195-FMTHS-12Baghouse	351
Cast-On-Strap Line No. 4 (Mark 7B) w/ Decoupled Stacker	052	PM, Pb, Opacity	23,946 DSCFM American Air Filter Model 312-288-4618 Baghouse	204*
3 Pellet Casters , Strip Caster, Sovema Nos. 2 and 3 Mills' Cooling Water Exhaust, and Trim Dry Oven	053	PM, Pb, Opacity	22,564 DSCFM American Air Filter Millennium Size 12-336-5387 Baghouse with secondary HEPA filter	370
2.0 MMBtu/hr Sovema Lead Pot Heater	054	PM, NO _x , CO, VOC, SO ₂ , Pb	No Control Equipment	371
Sovema Mill #2 Process Stack	055	PM, Pb, Opacity	5,900 DSCFM Sovema Model NF 13000 Baghouse with secondary HEPA filter	372

<u>Source</u>	<u>EU No.</u>	<u>Pollutant</u>	<u>Control Device</u>	<u>Stack No.</u>
Sovema Mill #3 Process Stack	056	PM, Pb, Opacity	5,900 DSCFM Sovema Model NF 13000 Baghouse with secondary HEPA filter	374
Primary and Secondary PbO Sifters	057	PM, Pb, Opacity	2,850 DSCFM Cyclonaire baghouse with secondary HEPA filter	376
Four (4) PbO Storage Tanks	058	PM, Pb, Opacity	1,600 DSCFM Cyclonaire baghouse with secondary HEPA filter	377
Chemset Curing Chambers 1 and 2	060	PM, Pb, Opacity	None (5,165 dscfm from each chamber for a total of 10,329 dscfm)	380
Chemset Curing Chambers 3 and 4	061	PM, Pb, Opacity	None (5,165 dscfm from each chamber for a total of 10,329 dscfm)	381
Two Chemset Heaters for Chambers 1 and 2	062	NO _x , PM, VOC, CO, SO _x , Opacity	None (1.0 MMBtu/hr per heater)	382,383
Two Chemset Heaters for Chambers 3 and 4	063	NO _x , PM, VOC, CO, SO _x , Opacity	None (1.0 MMBtu/hr per heater)	384,385

* Common stack

Location: 10215 30th Street, Tampa, Hillsborough County, FL 33612

UTM: 17-359.90 E and 3102.60 N NEDS NO: 0570001

Emission Unit Nos.:

EU No.	EU Description
002	Cast-On-Strap Line No. 1
005	Central Vacuum System
017	Wet/Dry Mixing Process for Line Nos. 1 and 3
018	Cast-On-Strap Line No. 2
022	Paste Line 3
033	Chemset Curing Chamber No. 5
034	Paste Line No. 1
038	One Chemset Heater for Chamber 5
042	Sovema Ball Mill No.1
047	Chemset Curing Chamber No. 6
048	One Chemset Heater for Chamber 6
050	Cast-On-Strap Line No. 3
051	Stackers (2)
052	Cast-On-Strap Line No. 4

053	3 Pellet Casters , Strip Caster, Sovema Nos. 2 and 3 Mills' Cooling Water Exhaust, and Trim Dry Oven
054	Sovema Lead Pot Heater
055	Sovema Mill No. 2 Process Stack
056	Sovema Mill No. 3 Process Stack
057	Primary and Secondary PbO Sifters
058	Four (4) PbO Storage Tanks
059	Two (2) PbO Pre-hoppers
060	Chemset Curing Chamber Nos. 1 and 2
061	Chemset Curing Chamber Nos. 3 and 4
062	Two Chemset Heaters for Chambers 1 and 2
063	Two Chemset Heaters for Chambers 3 and 4

References Permit Nos.: 0570001-031-AC

Replaces Permit No.: NA

PERMITTEE:
Johnson Controls Battery Group, Inc.

Permit/Certification No.: 0570001-032-AC
Project: Chemset Curing Chambers Replacement and
Trim Dry Oven Modification

SPECIFIC CONDITIONS:

1. A part of this permit is the attached General Conditions. [Rule 62-4.160, F.A.C.]
2. All applicable rules of the Environmental Protection Commission of Hillsborough County including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction. [Rule 62-4.070(7), F.A.C.]
3. Issuance of this permit does not relieve the permittee from complying with applicable emission limiting standards or other requirements of Chapters 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C., or any other requirements under federal, state, or local law. [Rule 62-210.300, F.A.C.]
4. The permittee shall not cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor. [Rules 62-210.200(200) and 62-296.320(2), F.A.C.]
5. To comply with the emissions limits in Specific Condition No. 4, the following restrictions and terms shall apply: [Permit Nos.: 0570001-009, 010, 011-AC, -022-AC, -027-AC/-026-AF, and -029-AC; Rules 62-210.650 and 62-4.070(3), F.A.C.]
 - A) All emissions units at the plant are allowed to operate continuously (8,760 hrs/yr), except for each chemset curing chamber exhaust fan, which is limited to operating 6,800 hours/year.
 - B) All dust laden air from the emissions units listed on pages 2 and 3 shall be vented through the corresponding control device as stated on the same pages.

Casting Facility: One Strip Caster, Three Pellet Casters, Cooling Water Exhaust for Sovema Mills 2 and 3, and Trim Dry Oven (EU No. 053).

6. The permittee shall not allow lead emissions to exceed the following [40 CFR 60.372(a)(1), (6), (7), and 60.372(b), 40 CFR 63.11423(A), Rules 62-204.800 and 62-296.602(1)(a), F.A.C.]
 - A) 0.40 mg/dscm (0.000175 gr/dscf) and 0% opacity for each and every vent associated with the strip casting facility.

B)	Source	Emissions Limitations		
		gr/dscf	lbs/hr	tpy
	One (1) Strip Caster	0.000175	0.014	0.059
	Three (3) Pellet Casters, Non-contact Cooling Water Exhaust for Sovema Mills 2 and 3, and Trim Dry Oven	0.000437	0.051	0.222
	Totals (Combined Stack Emissions)		0.065	0.281

PERMITTEE:
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Permit/Certification No.: 0570001-032-AC
Project: Chemset Curing Chambers Replacement and
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SPECIFIC CONDITIONS:

[Permitting Note: These hourly and annual emission limitations are based on the preliminary design estimates of 40% of the airflow coming from the strip caster, and 60% of the airflow coming from the pellet casters, cooling water exhaust, and trim dry oven.]

7. The permittee shall not allow particulate matter emissions to exceed the following: [Rules 62-296.712(2) and 62-4.070(3), F.A.C]

<u>Source</u>	<u>Emissions Limitations</u>		
	<u>gr/dscf</u>	<u>lbs/hr</u>	<u>tpy</u>
One Strip Caster, Pellet Casters, Cooling Water Exhaust for Sovema Mills 2 and 3, and Trim Dry Oven	0.01	1.93	8.47

8. In order to ensure compliance with Specific Condition Nos. 6 and 7, the following limitations shall apply: [Rule 62-4.070(3), F.A.C. and Permit No. 0570001-031-AC]

- A) The Strip Caster production is limited to no more than 21,900 tons of lead strip during any consecutive twelve month period.
- B) The lead pot and pellet casters shall be limited to 52,560 tons of lead melted/cast during any consecutive twelve month period.
- C) The trim dry oven shall be limited to 2,000 pounds/hour of lead trim.

Paste Mixing Facility: Six Chemset Curing Chambers (EU Nos. 033, 038, 060, and 061) and Six Associated Chemset Curing Chamber Heaters (EU Nos. 038, 048, 062, and 063). Note: the heaters are not considered sources of lead emissions.

9. The permittee shall not allow lead emissions to exceed the following: [40 CFR 60.372(a)(2) and (7), 40 CFR 63.11423(a), and Rule 62-296.602(1)(b), F.A.C.]

- A) 1.0 mg/dscm (0.000437 gr/dscf) and 0% opacity for each and every vent associated with the paste mixing facility.

<u>Source</u>	<u>Emission Limitations</u>		
	<u>gr/dscf</u>	<u>lb/hr</u>	<u>tpy</u>
Chemset Curing Chamber Nos. 1 and 2	0.000437	0.039	0.132
Chemset Curing Chamber Nos. 2 and 3	0.000437	0.039	0.132
Chemset Curing Chamber No. 5	0.000437	0.019	0.066
Chemset Curing Chamber No. 6	0.000437	0.019	0.066

10. The permittee shall not allow particulate matter emissions to exceed the following: [Rules

PERMITTEE:
Johnson Controls Battery Group, Inc.

Permit/Certification No.: 0570001-032-AC
Project: Chemset Curing Chambers Replacement and
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SPECIFIC CONDITIONS:

62-296.712 and 62-4.070(3), F.A.C.]

Source	Emission Limitations		
	gr./dscf	lb./hr.	tpy
Chemset Curing Chamber Nos. 1 and 2	0.015	1.33	4.52
Chemset Curing Chamber Nos. 3 and 4	0.015	1.33	4.52
Chemset Curing Chamber No. 5	0.015	0.66	2.26
Chemset Curing Chamber No. 6	0.015	0.66	2.26
Two Chemset Heaters for Chambers 1 and 2	N/A	0.000007	0.07
Two Chemset Heaters for Chambers 3 and 4	N/A	0.000007	0.07
One Chemset Heater for Chamber 5	N/A	0.000004	0.03
One Chemset Heater for Chamber 6	N/A	0.000005	0.04

11. The following limitations shall apply to the chemset heaters: [Rule 62-4.070(3), F.A.C.]

- (A) Each heater associated with Chemset Curing Chamber Nos. 1-4 shall not exceed 1.0 MMBtu/hr
- (B) The heater for Chemset Curing Chamber No. 5 shall not exceed 1.0 MMBtu/hr
- (C) The heater for Chemset Curing Chamber No. 6 shall not exceed 1.3 MMBtu/hr
- (D) Each heater shall operate only on natural gas
- (E) The hours of operation for each heater are not limited

Lead Oxide Manufacturing Facility: Sovema Mill No. 1 (EU042), Sovema Mill #2 (EU055), Sovema Mill #3 (EU056)

12. The permittee shall not allow lead emissions to exceed the following: [Rule 62-296.602(1)(d), F.A.C., 40 CFR 63.11423, 40 CFR 60.372(7), and Permit No. 0570001-031-AC]

- A) The lead emissions from each individual Sovema Mill shall not exceed 0.0005 gr/dscf.
- B) The lead emissions for the combined operation of all three mills shall not exceed 5.0 milligrams of lead per kilogram of lead feed (0.010 lb/ton), 0.042 lbs/hr, and 0.185 tons per 12-consecutive month period.
- C) 0% opacity for any given instant for each of the Sovema Mills.

PERMITTEE:
Johnson Controls Battery Group, Inc.

Permit/Certification No.: 0570001-032-AC
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SPECIFIC CONDITIONS:

13. The permittee shall not allow particulate matter emissions to exceed the following [Rules 62-4-070(3) and 62-296.711(2)(b), F.A.C. and Permit No. 0570001-031-AC]

Source	Emission Limitations		
	gr/dscf	lbs/hr	tpy
Sovema Mill No. 1 (S/N 348)	0.015	0.46	2.03
Sovema Mill No. 2 (S/N 372)	0.01	0.51	2.22
Sovema Mill No. 3 (S/N 374)	0.01	0.51	2.22

14. The permittee shall determine compliance with the lead standard (0.010 lbs/ton lead feed) in Specific Condition No. 12.A) as follows: [40 CFR 60.374(c)]

A) The emission rate (E) from each lead oxide manufacturing facility shall be computed for each run using the following equation:

$$E = \left(\sum_{i=1}^M C_{Pbi} Q_{sdi} \right) / (PK)$$

Where: E = Emission rate of lead, mg/kg (lb/ton) of lead charged.

C_{Pbi} = Concentration of lead from emission point "i," mg/dscm (gr/dscf).

Q_{sdi} = Volumetric flow rate of effluent gas from emission point "i," dscm/hr (dscf/hr).

M = Number of emission points in the affected facility.

P = Lead feed rate to the facility, kg/hr (ton/hr).

K = Conversion factor, 1.0 mg/mg (7000 gr/lb).

B) Method 12 shall be used to determine the lead concentration (C_{Pb}) and the volumetric flow rate (Q_{sd}) of the effluent gas. The sampling time and sample volume for each run shall be at least 60 minutes and 0.85 dscm (30 dscf).

C) The average lead feed rate (P) shall be determined for each run using the following equation:

$$P = N \cdot W / \theta$$

Where: N = Number of lead pigs (ingots) charged.

W = Average mass of a pig, kg (ton).

θ = Duration of run, hrs.

PERMITTEE:
Johnson Controls Battery Group, Inc.

Permit/Certification No.: 0570001-032-AC
Project: Chemset Curing Chambers Replacement and
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SPECIFIC CONDITIONS:

Facility Wide:

15. Process rates for each specified operation shall not exceed the following: [Rule 62-4.070(3), F.A.C. and Permit Nos. 0570001-031-AC]

<u>Source</u>	<u>E.U. ID #/ Stack#</u>	<u>Process Rate</u>
Sovema Mill No. 1 Process Stack	042/348	2,400 lbs/hr PbO
Strip Caster, Three (3) Pellet Casters, Cooling Water Exhaust for Sovema Mills 2 and 3 (includes new Sovema Lead Pot), and Trim Dry Oven	053/370	5,000 lbs/hr and 21,900 tpy lead strip produced in Strip Caster. 12,000 lbs/hr and 52,560 tpy lead melted/cast in Sovema Lead Pot / Three Pellet Casters. Trim Dry Oven
Sovema Mill No. 2 Process Stack	055/372	3,025 lbs/hr PbO
Sovema Mill No. 3 Process Stack	056/374	3,025 lbs/hr PbO
Chemset Curing Chamber Nos. 1 and 2	060/380	NA
Chemset Curing Chamber Nos. 3 and 4	061/381	NA
Chemset Curing Chamber No. 5	033/266	NA
Chemset Curing Chamber No. 6	047/367	NA
Two Chemset Heaters for Chambers 1 and 2	062/382, 383	1.0 MMBtu/hr per heater
Two Chemset Heaters for Chambers 3 and 4	063/384, 385	1.0 MMBtu/hr per heater
One Chemset Heater for Chamber 5	038/343	1.0 MMBtu/hr
One Chemset Heater for Chamber 6	048/368	1.3 MMBtu/hr

Test Methods and Procedures

16. Test the new and/or modified emission units for the following pollutant(s) as specified in Specific Condition No. 18 within 60 days after achieving the maximum production rate specified in Specific Condition No. 15, but no later than 180 days after startup of each affected emissions unit following modifications authorized by this permit, and as specified in Condition No. 17 below. Submit two copies of the test data to the Air Management Division of the Environmental Protection

PERMITTEE:
Johnson Controls Battery Group, Inc.

Permit/Certification No.: 0570001-032-AC
Project: Chemset Curing Chambers Replacement and
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SPECIFIC CONDITIONS:

Commission of Hillsborough County within forty-five days of such testing. Testing procedures shall be consistent with the requirements of Rule 62-297.310, F.A.C. and 40 CFR 60.8(a). [40 CFR 60.374 and 60.8(a) and Rules 62-296.712, 62-4.070(3), and 62-297.310, F.A.C.]

Emission Unit	E.U. ID #/ Stack #	Particulate	Lead	Opacity
Chemset Curing Chamber No. 5	033/266	X	X	X
One Chemset Heater for Chamber 5	038/343	NA	NA	X
Chemset Curing Chamber No. 6	047/367	X	X	X
One Chemset Heater for Chamber 6	048/368	NA	NA	X
Strip Caster	053/370	X	X (0.000175 gr/dscf)	X
Three (3) Pellet Casters, Cooling Water Exhaust for Sovema Mills 2 and 3 (includes new Sovema Lead Pot), and Trim Dry Oven	053/370	X	X (0.000437 gr/dscf)	X
Sovema Lead Pot Heater	054/371	N/A	N/A	X
Sovema Mill No. 2 Process Stack	055/372	X	X	X
Sovema Mill No. 3 Process Stack	056/374	X	X	X
Primary and Secondary PbO Sifters	057/376	X	X	X
Four (4) PbO Storage Tanks	058/377	X	X	X
Two (2) PbO Pre-hoppers	059/378	X	X	X
Chemset Curing Chamber Nos. 3 and 4	061/381	X	X	X
Two Chemset Heaters for Chambers 1 and 2	062/382, 383	NA	NA	X
Two Chemset Heaters for Chambers 3 and 4	063/384, 385	NA	NA	X

17. In addition to the testing specified in Specific Condition No. 16 above, the emission units at the facility shall be tested for particulate matter and lead emissions every 2.5 years. If the test results are greater than 50% of the applicable standard, testing shall be performed annually until the results of the test are equal to or less than 50% of the standard. Visible emissions testing shall be performed annually, once per federal fiscal year (October 1 – September 30). [Rules 62-297.310(7)4., 62-296.712, 62-296.600(6), and 62-4.070(3), F.A.C.]

PERMITTEE:
Johnson Controls Battery Group, Inc.

Permit/Certification No.: 0570001-032-AC
Project: Chemset Curing Chambers Replacement and
Trim Dry Oven Modification

SPECIFIC CONDITIONS:

Emission Unit	E.U. ID #/ Stack #	Particulate	Lead	Opacity
Cast-On-Strap Line No. 1	002 / 134A	X	X	X
Central Vacuum System	005 / 340	X	X	X
Wet/Dry Mixing Process for Line Nos. 1 and 3	017 / 234	X	X	X
Cast-On-Strap Line No. 2	018 / 198	X	X	X
Paste Line 3	022 / 134B	X	X	X
Chemset Curing Chamber No. 5	033 / 266	X	X	X
Paste Line No. 1	034 / 134	X	X	X
One Chemset Heater for Chamber 5	038 / 343	NA	NA	X
Sovema Ball Mill No.1	042 / 348	X	X	X
Chemset Curing Chamber No. 6	047 / 367	X	X	X
One Chemset Heater for Chamber 6	048 / 368	NA	NA	X
Cast-On-Strap Line No. 3	050 / 204	X	X	X
Stackers (2)	051 / 351	X	X	X
Cast-On-Strap Line No. 4	052 / 204	X	X	X
Strip Caster, Three (3) Pellet Casters, Cooling Water Exhaust for Sovema Mills 2 and 3 (includes new Sovema Lead Pot), and Trim Dry Oven	053 / 370	X	X	X
Sovema Lead Pot Heater	054 / 371	N/A	N/A	X
Sovema Mill No. 2 Process Stack	055 / 372	X	X	X
Sovema Mill No. 3 Process Stack	056 / 374	X	X	X
Primary and Secondary PbO Sifters	057 / 376	X	X	X
Four (4) PbO Storage Tanks	058 / 377	X	X	X
Two (2) PbO Pre-hoppers	059 / 378	X	X	X
Chemset Curing Chamber Nos. 3 and 4	061 / 381	X	X	X
Two Chemset Heaters for Chambers 1 and 2	062/382, 383	NA	NA	X
Two Chemset Heaters for Chambers 3 and 4	063/384, 385	NA	NA	X

18. Compliance with the emission limitations of Specific Condition Nos. 6, 7, 9, and 10 shall be determined using EPA Methods 1, 2, 4, 5, 9, and 12 contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-297, F.A.C. The sampling time and sample volume for each run shall be at least 60 minutes and 0.85 dscm (30 dscf). Particulate emission information may be obtained from lead emission tests pursuant to 40 CFR 60, Appendix A, Method 12, Section 8.1. The EPA Method 9 visible emission test shall be a minimum of 30 minutes in duration and conducted concurrent with one of the lead test runs. The opacity numbers shall be rounded off to the

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nearest whole percentage. The minimum requirements for stack sampling facilities, source sampling, and reporting, shall be in accordance with Rule 62-297, F.A.C. and 40 CFR 60, Appendix A. [40 CFR 60.374(b), 40 CFR 60.11 and Rule 62-4.070(3), F.A.C.]

19. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of the maximum permitted process rates as stated in Specific Condition No. 15. If it is impracticable to test at capacity, then the source may be tested at less than capacity; in this case subsequent source operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than fifteen days for the purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the EPC. Failure to submit the process rates and actual operating conditions may invalidate the test. The following condition must be adhered to during compliance testing: [Rule 62-297.310(2)(b) and 62-4-070(3), F.A.C.]

- A) During testing of each chemset curing chamber, the chamber must contain one day's production of wet pasted plates and be some stage of the curing cycle. The compliance test report should contain the amount of plates in the chamber during testing.

20. The permittee shall provide at least the minimum requirements for stack sampling facilities as specified in 40 CFR 60.8(e)(1), (2), (3) and (4) and Rule 62-297.310(6), F.A.C. Source sampling platforms, platform access, and other associated work areas, whether permanent or temporary, shall be in accordance with Occupational Safety and Health Administration standards per 29 CFR 1910, Subparts D and E. [Rule 62-297.310(6), F.A.C.]

21. The permittee shall notify the Environmental Protection Commission of Hillsborough County at least 30 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 contact person who will be responsible for coordinating and having such test conducted. [Rule 62-4.070(3), F.A.C.; 40 CFR 60.7(a)6; and 40 CFR 63.9(f)]

Recordkeeping and Reporting Requirements

22. The permittee shall comply with the following requirements: [40 CFR 60, Subpart A and Rule 62-204.800, F.A.C.]

- A) The permittee shall furnish the EPC written notification as follows: [40 CFR 60.7(a)]

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1. A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The EPC may request additional relevant information subsequent to this notice. [40 CFR 60.7(a)(4)]
 2. Written notifications are to be made to the Air Management Division of the Environmental Protection Commission of Hillsborough County.
- B) The permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. [40 CFR 60.7(b)]
- C) The permittee shall maintain a file of all measurements, including performance testing measurements and all other information required by this part recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports, and records. [40 CFR 60.7(f)]
- D) Compliance with opacity standards in this part shall be determined by conducting observations in accordance with Reference Method 9 in Appendix A (40 CFR 60). [40 CFR 60.11(b)]
- E) The opacity standards set forth in this permit shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in the applicable standard. [40 CFR 60.11(c) and 40 CFR 63.6(g)]
- F) At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the EPC which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. [40 CFR 60.11(d) and 40 CFR 63.6(e)]
- G) No owner or operator subject to the provisions of this part shall build, erect, install, or use

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any article, machine, equipment, or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. [40 CFR 60.12 and 40 CFR 63.4]

23. The permittee shall maintain records of all process control operating parameters and process upsets. The records shall include the nature and duration of upsets and emission control equipment malfunction, a detailed description of the nature and duration of the upset or malfunction, the expected effects on emissions and corrective actions taken or planned to avoid recurrences. Such records shall be available at the plant site for inspections by any local, state, or federal air pollution agency upon request for a period of at least two years. [40 CFR 60.7(b) and Rule 62-4.070(3), F.A.C.]

24. In order to demonstrate compliance with Specific Condition Nos. 4, 6, and 15, the permittee shall maintain records of operations for the most recent three year period. The records shall be made available to the Environmental Protection Commission of Hillsborough County, state or federal air pollution agency upon request. The records shall include, but not limited to, the following: [Rule 62-4.070(3) and 62-4.160(14), F.A.C.]

Casting Operation

- (A) Monthly total of lead strip produced by the strip caster, and lead pellets produced in the pellet casters (lbs).
- (B) Hours of operation for the strip caster and pellet casters (hrs/month).
- (C) Average hourly production on a monthly basis for the strip caster and pellet casters (lbs/hr).
- (D) Rolling twelve month total of lead strip produced by the strip caster and lead pellets produced by the pellet casters (tons).

Paste Mixing

- (E) Monthly total of pasted plates produced by Pasting Line No. 1 (lbs).
- (F) Monthly total of pasted plates produced by Pasting Line No. 3 (lbs).
- (G) Hours of operation for each Pasting Line (hrs/month).
- (H) Average hourly production on a monthly basis of Pasting Lines 1 and 3 (lbs/hr)
- (I) Monthly total of hours of operation of each chemset chamber exhaust fan

Lead Oxide Manufacturing

- (J) Monthly total of lead oxide produced in each Sovema Mill (lbs)
- (K) Hours of operation for each Sovema mill (hrs/month).

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- (L) Average hourly production on a monthly basis for each mill (lbs/hr).
- (M) Rolling twelve month total of lead oxide produced (tons).

Silo and Transfer Operations

- (N) Monthly and rolling twelve month totals of lead oxide loaded into the lead oxide storage tanks from trucks and from the mills, separately (tons).
- (O) Monthly and rolling twelve month totals of the hours of operation for the PbO storage tanks (hrs).
- (P) Monthly total of lead oxide transferred to the paste mixers (lbs).
- (Q) Monthly hours of operation for the paste mixers (hrs).
- (R) Average hourly transfer rate of lead oxide to the paste mixers (lbs/hr).

Three Process Operation

- (S) Monthly total of batteries produced on each COS line.
- (T) Hours of operation for each COS line (hrs/month).
- (U) Average hourly battery production on a monthly basis for each COS line (batteries/hr).
- (V) Average hourly process rate on a monthly basis for the independent stackers (plates/hr).

Other Lead Emitting Processes

- (W) Monthly total of lead processed through the Trim Dry Oven (lbs)
- (X) Monthly total of lead processed through the Sovema Lead Pot (lbs)
- (Y) Monthly total of the hours of operation for the Trim Dry Oven (hrs/month).
- (Z) Monthly total of the hours of operation for the Sovema Lead Pot (hrs/month).
- (AA) Average hourly production on a monthly basis of the Trim Dry Oven (lbs/hr).
- (BB) Average hourly production on a monthly basis of the Sovema Lead Pot (lbs/hr).

25. The permittee shall comply with the following requirements: [Rule 62-204.800, F.A.C.]

A) For EU No. 053, the following shall apply: [40 CFR 63.11423(b)(2)]

- (1) The permittee must perform and record semiannual inspections and maintenance to ensure proper performance of each fabric filter. This includes inspection of structural and filter integrity.
- (2) The permittee must install, maintain, and operate a pressure drop monitoring device to measure the differential pressure drop across the fabric filter during all times when the process is operating. The pressure drop shall be recorded at least once per week. If a pressure drop is observed outside of the normal operational ranges, the permittee must record the incident and take immediate corrective

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actions. The permittee must also record the corrective actions taken. The permittee must submit a monitoring system performance report in accordance with 40 CFR 63.10(e)(3).

- (3) The permittee must conduct a visible emissions observation at least once per week to verify that no visible emissions are occurring at the discharge point to the atmosphere from any emissions unit. If visible emissions are detected, the permittee must record the incident and conduct an opacity measurement in accordance with 40 CFR 60.374(b)(3). The permittee must record the results of each opacity measurement. If the measurement exceeds the applicable opacity standard in 40 CFR 60.372(a)(7) or (8), the permittee must submit this information in an excess emissions report required under 40 CFR 63.10(e)(3).
- B) The non-opacity standards set forth in this permit shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in the applicable standard. [40 CFR 63.6(f)]
- C) The permittee shall submit an excess emissions and continuous monitoring system performance report and/or a summary report semiannually. [40 CFR 63.10(e)(3) and 40 CFR 63.11423(b)(2)]
- D) All excess emissions and monitoring system performance reports and all summary reports, if required, shall be delivered or postmarked by the 30th day following the end of each calendar half. Written reports of excess emissions or exceedances of process or control system parameters shall include all the information required in 40 CFR 63.10(c)(5) through (c)(13), in 40 CFR 63.8(c)(7) and (c)(8), and in the relevant standard, and they shall contain the name, title, and signature of the responsible official who is certifying the accuracy of the report. When no excess emissions or exceedances of a parameter have occurred, or a CMS has not been inoperative, out of control, repaired, or adjusted, such information shall be stated in the report. [40 CFR 63.10(e)(3) and 40 CFR 63.11423(b)(2)]
- E) The permittee shall maintain files of all information (including all reports and notifications) required by 40 CFR 63 recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site. [40 CFR 63.10(b)]

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Reasonable Precautions

26. All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter in accordance with the provision in Rule 62-296.320, F.A.C. These provisions are applicable to any source, including, but not limited to, vehicular movement, transportation of materials, construction, alterations, demolition or wrecking, or industrial related activities such as loading, unloading, storing, and handling. Reasonable precautions shall include, but not be limited to, the following: [Rules 62-296.320(4)(c)1. and 62-4.070(3), F.A.C.]

Lead Oxide Manufacturing Facility

- A) Careful and regular service and replacement of the filter media as recommended by the manufacturer to prevent adhered dust from becoming airborne.
- B) Careful setting up and removal of containers for the collected dust. These containers shall be sealed while in operation and during transport to the disposal site.
- C) Weekly cleaning of the area around the baghouses located either inside or outside the main building. Cleaning may be by HEPA vacuuming, mopping or sweeping with a dust-absorbing compound. Cleaning by means of dry sweeping or through the use of blowers is not permitted.
- D) The continuous particle sensor installed near the Sovema Ball Mill No. 1 shall be operative. The sensor shall automatically shut down the mill, shut off the ventilation fans, close the louvers and sound the alarm system in the event a malfunction of the mill results in the release of lead oxide to the room.
- E) Cooling of the Sovema Ball Mill No. 1 baghouse hopper enclosure shall be accomplished by the in-line fan rated at 1,250 ACFM and exhausted through the roof. The duct equipped with a particle sensor shall automatically shut down the mill and shut off the fan in the event that lead oxide is drawn through the duct.

Casting Facility

- H) Daily cleaning of work area on production days. Cleaning may be by HEPA vacuuming, mopping or sweeping with a dust-absorbing compound. Cleaning by means of dry sweeping or through the use of blowers is not permitted.
- I) Exercise good housekeeping at all times
- J) Regular service and replacement of fabric bags and filter media, as recommended by the manufacturer.

Paste Mixing Facility

- K) Regular service and replacement of fabric bags and filter media, as recommended by the manufacturer.
- L) Set up and remove the containers for the collected dust from baghouses and HEPA filters.

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These containers shall be hermetically sealed while in operation and during transport to the disposal site.

- M) All paved areas on the south side of the plant where the baghouses are located and where the trucks deliver lead oxide shall be totally enclosed or HEPA vacuum swept on a daily basis. Cleaning by means of dry sweeping or through the use of blowers is not permitted.

Other Lead Emitting Process

Central Vacuum System

- N) Daily cleaning of work area on production days. Cleaning may be by HEPA vacuuming, mopping or wet sweeping with a dust-absorbing compound. Cleaning by means of dry sweeping or through the use of blowers is not permitted.
- O) Attend to any accidental spills or upsets promptly and effectively. Stop operation, if necessary.
- P) Make plant personnel and contractors aware of the environmental requirements under this permit.
- Q) Exercise good housekeeping practices at all times.
- R) Regular service and replacement of fabric bags and filter media as recommended by the manufacturer.

Three Process Operation Facility

COS Lines

- S) Keep covers on process equipment.
- T) Keep an air tight seal on each baghouse's dust disposal containers.
- U) Cleaning of work area, as needed. Cleaning may be by HEPA vacuuming, mopping or sweeping with a dust-absorbing compound. Cleaning by means of dry sweeping or through the use of blowers is not permitted.
- V) Prompt cleanup of spills.
- W) Routine cleaning of areas used by vehicles and machines. Cleaning may be by HEPA vacuuming, mopping, sweeping with a dust-absorbing compound, or through use of a floor scrubber. Cleaning by means of dry sweeping or through the use of blowers is not permitted.
- X) Make plant personnel aware of the environmental requirements in this permit.
- Y) Exercise good housekeeping at all times.
- Z) Ensure proper disposal of any lead waste.

Paste Mixing Facility

- AA) Regular service and replacement of fabric bags and filter media, as recommended by the manufacturer.

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- BB) Set up and remove the containers for the collected dust from baghouses and HEPA filters. These containers shall be hermetically sealed while in operation and during transport to the disposal site.
- CC) All paved areas on the south side of the plant where the baghouses are located and where the trucks deliver lead oxide shall be totally enclosed or HEPA vacuum swept on a daily basis. Cleaning by means of dry sweeping or through the use of blowers is not permitted.

27. No owner or operator of a lead processing operation shall cause, allow, or permit the emissions of lead, including emissions of lead from vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial-related activities such as loading, unloading, charging, melting, tapping, casting, storing or handling, unless reasonably available control technology (RACT) is employed to control such lead emissions. RACT measures shall include, but not be limited to, the following: [Rule 62-296.601(2)(a), F.A.C. and Permit No. 0570001-031-AC]

- A) All control measures listed in Specific Condition No. 26 of this permit.
- B) Vacuuming the roads and other paved areas, as needed, under the control of the owner or operator of the facility to prevent lead from becoming airborne.
- C) Landscaping or planting of vegetation on unpaved roads, parking areas and yards.
- D) Using hoods, fans, filters, and similar equipment to capture, contain, and control lead emissions.
- E) Enclosing or covering conveyor systems.

28. When the Environmental Protection Commission of Hillsborough County (EPC) 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 Rules 62-204, 62-210, 62-212, 62-296, or 62-297, F.A.C., or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the source to conduct compliance tests which identify the nature and quantity of pollutant emissions from the source and to provide a report on the results of said tests to the EPC. [Rule 62-297.310(7)(b), F.A.C.]

29. The use of property, facilities, equipment, processes, products, or compounds, or the commission of paint overspraying or any other act, that causes or materially contributes to a public nuisance is prohibited, pursuant to the Hillsborough County Environmental Protection Act, Section 16, Chapter 84-446, Laws of Florida, as Amended.

30. The permittee shall provide timely notification to the Environmental Protection Commission of Hillsborough County prior to implementing any changes that may result in a modification to this permit pursuant to Rule 62-210.200(204)(Modification), F.A.C. The changes do not include normal

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maintenance, but may include, and are not limited to, the following, and may also require prior authorization before implementation: [40 CFR 60.15 and Rules 62-210.300 and 62-4.070(3), F.A.C.]

- A) Alteration or replacement of any equipment* or major component of such equipment listed.
- B) Installation or addition of any equipment* which is a source of air pollution.
- C) Increased production rate(s).

* Not applicable to routine maintenance, repair, or replacement of component parts.

31. Submit to the Environmental Protection Commission of Hillsborough County each calendar year on or before April 1, completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility", for the preceding calendar year. [Rule 62-210.370(3), F.A.C.]

32. If the permittee wishes to transfer this permit to another owner, an "Application for Transfer of Permit" (DEP Form 62-210.900(7)) shall be submitted, in duplicate, to the Environmental Protection Commission of Hillsborough County within 30 days after the sale or legal transfer of the permitted facility. [Rule 62-4.120, F.A.C.]

33. A minimum of two copies of an application for a federally enforceable state operating permit (FESOP) revision shall be submitted to the Environmental Protection Commission of Hillsborough County within 90 days of completion of all the emissions compliance testing required by this permit or at least 90 days prior to the expiration date of this permit, whichever occurs first. The application shall also include a copy of the required compliance tests and an Operation and Maintenance Plan for lead and particulate control for the constructed and modified emission units in accordance with Rules 62-296.600(4) and 62-296.700(6), F.A.C. [Rules 62-4.050(2), 62-210, 62-296.600(4), and 62-296.700(6), F.A.C.]

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

Richard D. Garrity, Ph.D.
Executive Director