

FINAL 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 28, 2014

FINAL DETERMINATION

The Environmental Protection Commission of Hillsborough County mailed a public notice package on July 28, 2014 that included an Intent to Issue Permit No. 0570001-032-AC to Johnson Controls Battery Group, Inc. The facility is located at 10215 N 30th St., Tampa, Hillsborough County, FL. This permit authorizes replacement of the Chemset Curing Chamber Nos. 1-4 and the associated heaters; venting the existing trim dry oven to the new 22,564 DSCFM American Air Filter Millennium baghouse; and reducing the testing frequency of the emission units.

The Public Notice of Intent to Issue was published in The Times, an edition of the Tampa Bay Times, on July 12, 2014.

COMMENTS/CHANGES

No comments were received from the applicant or the public.

However, two errors in the permit were noted in the Draft permit. In Specific Condition Nos. 16 and 17, the requirement to test the new Chemset Curing Chamber Nos. 1 and 2 for lead and particulate matter emissions was inadvertently left out of these conditions. The Chemset Curing Chambers 1 and 2 are subject to 40 CFR 60 Subpart KK, which requires initial lead testing after construction, and Rule 62-296.600, F.A.C., which requires subsequent testing after the initial test. In addition, the Chemset Curing Chamber Nos. 1 and 2 are subject to Rule 62-296.712, F.A.C., which requires initial particulate matter testing and subsequent testing after the initial test. Therefore, the conditions will be revised to require lead and particulate matter testing for the Chemset Curing Chambers 1 and 2 to be consistent with the testing requirements for the new Chemset Curing Chambers 3 and 4 and the existing Chemset Chambers 5 and 6. Furthermore, the Chemset process rate (88 tons/batch per Chamber) was added in Specific Condition 15, based on the information provided in the permit application

In addition, Specific Condition Nos. 16 and 17 require opacity testing for the new Chemset Heaters associated with the Chemset Chamber Nos. 1 through 6. Upon further review, the heaters are subject only to the general 20% opacity standard specified in Rule 62-296.320(4), F.A.C. In accordance with the FDEP guidance (DARM-PER-33), an annual VE test is not required for sources that have a general 20% opacity standard. Therefore, the requirement to test each heater for opacity is removed from Specific Condition Nos. 16 and 17.

CONCLUSION

The final action of the Environmental Protection Commission of Hillsborough County is to issue the permit as drafted.

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 batches in a controlled environment to convert the free lead in the plates to lead oxide. The Chemset is a batch process with a maximum batch time of approximately 62 hours. Each batch consists of approximately 88 tons of plates. 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:
Johnson Controls Battery Group, Inc.

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

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.

B)	<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
Trim Dry Oven Modification

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
Project: Chemset Curing Chambers Replacement and
Trim Dry Oven Modification

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
Trim Dry Oven Modification

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	88 tons/batch per Chamber
Chemset Curing Chamber Nos. 3 and 4	061/381	88 tons/batch per Chamber
Chemset Curing Chamber No. 5	033/266	88 tons/batch per Chamber
Chemset Curing Chamber No. 6	047/367	88 tons/batch per Chamber
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 Commission of Hillsborough County within forty-five days of such testing. Testing procedures

PERMITTEE:
Johnson Controls Battery Group, Inc.

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

SPECIFIC CONDITIONS:

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	NA
Chemset Curing Chamber No. 6	047/367	X	X	X
One Chemset Heater for Chamber 6	048/368	NA	NA	NA
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. 1 and 2	060/380	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	NA
Two Chemset Heaters for Chambers 3 and 4	063/384, 385	NA	NA	NA

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	NA
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	NA
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. 1 and 2	060/380	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	NA
Two Chemset Heaters for Chambers 3 and 4	063/384, 385	NA	NA	NA

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

PERMITTEE:
Johnson Controls Battery Group, Inc.

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

SPECIFIC CONDITIONS:

conducted concurrent with one of the lead test runs. The opacity numbers shall be rounded off to the 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)]

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 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)]

PERMITTEE:
Johnson Controls Battery Group, Inc.

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

SPECIFIC CONDITIONS:

- G) No owner or operator subject to the provisions of this part shall build, erect, install, or use 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)

PERMITTEE:
Johnson Controls Battery Group, Inc.

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

SPECIFIC CONDITIONS:

- (K) Hours of operation for each Sovema mill (hrs/month).
- (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

PERMITTEE:
Johnson Controls Battery Group, Inc.

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

SPECIFIC CONDITIONS:

ranges, the permittee must record the incident and take immediate corrective 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)]

PERMITTEE:
Johnson Controls Battery Group, Inc.

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

SPECIFIC CONDITIONS:

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.

PERMITTEE:
Johnson Controls Battery Group, Inc.

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

SPECIFIC CONDITIONS:

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. 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.

PERMITTEE:
Johnson Controls Battery Group, Inc.

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

SPECIFIC CONDITIONS:

Paste Mixing Facility

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

PERMITTEE:
Johnson Controls Battery Group, Inc.

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

SPECIFIC CONDITIONS:

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 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