



Missouri Department of Natural Resources
Missouri Air Conservation Commission
Air Pollution Control Program

PERMIT BOOK

**PERMIT
TO
CONSTRUCT
PERMIT BY RULE**

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to construct and operate the air contaminant source(s) described below, in accordance with the laws, rules, and conditions set forth here in.

Construction Permit Number: **072013-009**
Project Number: 2013-07-030
Installation ID: 047-0194

Installation Name and Address

Holland Integrated Metal Solutions
2901 Heartland Drive
Liberty, MO 64068
Clay County

Parent Company's Name and Address

Holland 1916
Holland Integrated Metal Solutions
1300 Burlington Street
North Kansas City, MO 64116

Installation Description:

Holland 1916 is moving the surface coating operations currently operated (2012-12-020) at 1300 Burlington Street, North Kansas City, MO 64116 to 2901 Heartland Drive, Liberty, MO 64068

DUL 18 2013

Effective Date


Director of Designee
Department of Natural Resources

STANDARD CONDITIONS:

Permission to construct may be revoked if you fail to begin construction or modification within two years from the effective date of this permit. Permittee should notify the Air Pollution Control Program if construction or modification is not started within two years after the effective date of this permit, or if construction or modification is suspended for one year or more.

You will be in violation of 10 CSR 10-6.060 and 10 CSR 10-6.062 if you fail to adhere to the specifications and conditions listed in your permit by rule application and this permit.

Specifically, all air contaminant control devices shall be operated and maintained as specified in the application, associated plans and specifications.

You must notify the Department of Natural Resources Regional office responsible for the area within which the equipment is located within 15 days after the actual start up of this air contaminant source.

A copy of this permit and permit notification shall be kept at the installation address and shall be made available to Department of Natural Resources' personnel upon request.

You may appeal this permit or any of the listed special conditions as provided in RSMo 643.075. If you choose to appeal, the Air Pollution Control Program must receive your written declaration within 30 days of receipt of this permit.

If you choose not to appeal, this certificate, the project review, and your application and associated correspondence constitutes your permit to construct. The permit allows you to construct and operate your air contaminant sources(s), but in no way relieves you of your obligation to comply with all applicable provisions of the Missouri Air Conservation Law, regulations of the Missouri Department of Natural Resources and other applicable federal, state and local laws and ordinances.

The Air Pollution Control Program invites your questions regarding this air pollution permit. Please contact the Permit Section, Initial Source Review Unit at (573) 751-4817. If you prefer to write, please address your correspondence to the Air Pollution Control Program, P.O. Box 176, Jefferson City, Missouri 65102-0176, attention: Initial Review Unit.

RECEIVED

2013 JUL -3 AM 11:30

AIR POLLUTION
CONTROL PERMITS

07/02/2013

Air Pollution Control Program
Permit-By-Rule
P.O. Box 176
Jefferson City, MO 65102-0176

2013-07-030

Re: **Surface Coating Permit by Rule Notification - Holland Integrated Metal Solutions Liberty, MO**

Dear Missouri Department of Natural Resources,

This is to act as a notification to the Missouri Department of Natural Resources to permit a surface coating operation under a Permit by Rule for Holland Integrated Metal Solutions in Liberty, MO. Two spray booths will be installed at the new Liberty facility. The facility will operate under the conditions of the Permit by Rule as stated in the enclosed application.

A check in the amount of \$700.00 is included for the application fee. If you have any questions regarding this submittal, please contact Ryan Navis of U.S. Compliance at (952) 567-5623 or via email at mavis@uscompliance.com.

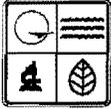
Sincerely,



Ethan Barksdale
Operations Manager

Enclosure: Missouri DNR Application for Authority to Construct Permit by Rule Notification, spreadsheet data/calculations regarding VOC/HAPs emissions, and aerial map of the new Liberty, MO facility.

cc: U.S. Compliance Corporation



STATE OF MISSOURI
 DEPARTMENT OF NATURAL RESOURCES
 P.O. BOX 176, JEFFERSON CITY, MO 65102-0176
**APPLICATION FOR AUTHORITY TO CONSTRUCT
 PERMIT BY RULE NOTIFICATION
 SURFACE COATING OPERATIONS**

2013-07-030

| APCP USE ONLY | |
|---------------------------|-------------------------------------|
| CHECK NO. 1801 | CHECK RECEIVED (MM/DD/YY) 7-8-13 |
| CHECK AMOUNT \$ 700.00 | CHECK DATE (MM/DD/YY) 7-2-13 |
| PROJECT NO. | PERMIT NO. |

SECTION A: GENERAL NOTIFICATION INFORMATION – ALL NOTIFICATIONS MUST BE ACCOMPANIED BY A \$700 FEE.

SECTION A-1: GENERAL INSTALLATION INFORMATION

| | | | |
|---|---|---|-------------------|
| 1. INSTALLATION NAME Holland Integrated Metal Solutions | | 2. FIPS 047 | 2. PLAN T NO. |
| 3. INSTALLATION STREET ADDRESS 2901 Heartland Drive | | | |
| 4. INSTALLATION MAILING ADDRESS 2901 Heartland Drive | | | |
| 5. CITY Liberty | | STATE MO | ZIP CODE 64068 |
| 6. COUNTY NAME Clay | 7. 1/4, of 1/4, of SECTION TOWNSHIP RANGE | | |
| 9. PARENT COMPANY Holland 1916 | | | |
| 10. PARENT COMPANY MAILING ADDRESS 1340 Burlington Street | | | |
| 11. CITY North Kansas City | | STATE MO | ZIP CODE 64116 |
| 12. INSTALLATION CONTACT PERSON Ethan Barksdale | | 13. CONTACT PERSON'S TITLE Operations Manager | |
| 14. CONTACT PERSON'S MAILING ADDRESS 1300 Burlington Street, North Kansas City, MO 64116 | | | |
| 15. INSTALLATION CONTACT TELEPHONE NO. 816-268-5748 | | 16. INSTALLATION CONTACT FAX NO. | |
| 17. INSTALLATION CONTACT E-MAIL ADDRESS ebarksdale @holland1916.com | | | |
| 18. PROJECTED DATE TO COMMENCE CONSTRUCTION 07/25/2013 | | 19. PROJECT DATE OF OPERATION STARTUP 08/01/2013 | |

CONTROL ROOM
 PROJECT NO. 2013-07-030

SECTION A-2: INSTALLATION DESCRIPTION

20.
 Holland 1916 is moving the surface coating operations currently operated at 1300 Burlington Street, permitted under project number 2012-12-020 to a facility located in Liberty, MO. Two spray booths will be installed in the Liberty facility allowing two spray guns to be sprayed at the same time in each booth. A heater will be added to one booth with a 2.5MMBTU air makeup unit.

SECTION A-3: CERTIFICATION STATEMENT

I certify that I have personally examined and am familiar with the information in this application and believe that the information submitted is accurate and complete. I am aware that making a false statement or misrepresentation in this application is grounds for denying or revoking this permit.

| | | |
|---|--|---|
| 21. SIGNATURE OF RESPONSIBLE OFFICIAL | | 22. DATE 7/2/13 |
| 23. TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL Ethan Barksdale | | 24. RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER 816-268-5748 |
| 25. TITLE OF RESPONSIBLE OFFICIAL Operations Manager | | |

SECTION B: SPECIAL CONDITIONS FOR PRINTING OPERATIONS

Construction and operation of this new air pollution source is subject to the special conditions listed below. These special conditions are based on the authority granted to the Missouri Air Pollution Control Program by the Missouri Air Conservation Law (specifically RSMo. 643.075) and by the Missouri Rules listed in Title 10, Division 10 of the Code of State Regulations (specifically 10 CSR 10-6.062 "Construction Permits by Rule").

Please indicate by marking the appropriate box as to whether or not the emission source complies with the rule listed in the applicable emission limit or standard. If any of the applicable emission source boxes are checked no, your source is not eligible for a printing operation permit by rule.

This Permit By Rule applies only to Surface Coating Operations constructed after Oct. 31, 2003.

| SPECIAL CONDITION | EMISSION SOURCE COMPLIES? | APPLICABLE EMISSION LIMIT OR STANDARD | METHOD OF COMPLIANCE |
|---------------------------|--|---|---|
| 10 CSR 10-6.062(3)(B)3.A. | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | Metalizing, spraying molten metal onto a surface to form a coating, is not permitted under this permit-by-rule. The use of coatings that contain metallic pigments is permitted. | Proper work practice. |
| 10 CSR 10-6.062(3)(B)3.B. | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | All facilities shall implement good housekeeping procedures to minimize fugitive emissions, including all spills, which shall be cleaned up immediately. The booth or work area exhaust fans shall be operating when cleaning spray guns and other equipment. All new and used coatings and solvents shall be stored in closed containers. All waste coatings and solvents shall be removed from the site by an authorized disposal service or disposed of at a permitted on-site waste management facility. | To ensure proper work practices the operator shall provide and maintain suitable, easily read, permanent markings on all coatings and solvents containers. |
| 10 CSR 10-6.062(3)(B)3.C. | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | Drying and curing ovens shall either be electric or meet the following conditions: The maximum heat input to any oven must not exceed forty (40) million British thermal units (Btu's) per hour. Heat shall be provided by the combustion of one of the following: natural gas, liquid petroleum gas, fuel gas containing no more than twenty (20) grains of total sulfur compounds (calculated as sulfur) per one hundred (100) dry standard cubic feet, or number 2 fuel oil with not more than three tenths percent (0.3%) sulfur by weight. | Proper work practice. |
| 10 CSR 10-6.062(3)(B)3.D. | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | <p>Emissions shall be calculated using a material balance that assumes that all VOC's and hazardous air pollutants in the paints and solvents used are directly emitted to the atmosphere. The total uncontrolled emissions from the coating materials (as applied) and cleanup solvents shall not exceed the following for all operations: Forty (40) tons per twelve (12)-month period, rolled monthly, of VOC's for all surface coating operations on the property.</p> <p>A sum of twenty-five (25) tons per twelve (12)-month period, rolled monthly, of all hazardous air pollutants for all surface coating operations on the property.</p> <p>Each individual hazardous air pollutant shall not exceed the emission threshold levels established in 10 CSR 10-6.060(12)(J), rolled monthly.</p> | <p>Determined through proper record keeping. Worksheets A, B, and C (or equivalent) shall be used to demonstrate compliance with this condition. These records shall be maintained for not less than five (5) years, and they shall be immediately available to any Missouri Department of Natural Resources personnel upon request. The operator shall report to the Air Pollution Control.</p> <p>Program's Enforcement Section, P.O. Box 176, Jefferson City, Missouri 65102, no later than ten (10) days after the end of the month during which these conditions are exceeded.</p> |

SECTION B: SPECIAL CONDITIONS FOR PRINTING OPERATION (CONTINUED)

| SPECIAL CONDITION | EMISSION SOURCE COMPLIES? | APPLICABLE EMISSION LIMIT OR STANDARD | METHOD OF COMPLIANCE |
|---------------------------|--|--|---|
| 10 CSR 10-6.062(3)(B)3.E. | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | <p>The surface coating operations shall be performed indoors, in a booth or in an enclosed work area. The booth shall be designed to meet a minimum face velocity at the intake opening of each booth or work area of one hundred feet (100') per minute. Emissions shall be exhausted through elevated stacks that extend at least one and one-half (1 1/2) times the building height above ground level. All stacks shall discharge vertically. There shall be no obstructions, such as rain caps, unless such services are designed to automatically open when booths are operated.</p> | Proper work practice. |
| 10 CSR 10-6.062(3)(B)3.F. | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | <p>For spraying operations, emissions of particulate matter must be controlled using either a water wash system or a dry filter system with a ninety-five percent (95%) removal efficiency as documented by the manufacturer. The face velocity at the filter shall not exceed two hundred fifty feet (250') per minute or that specified by the filter manufacturer, whichever is less. Filters shall be replaced according to the manufacturer's schedule or whenever the pressure drop across the filter no longer meets the manufacturer's recommendation.</p> | Proper work practice. |
| 10 CSR 10-6.062(3)(B)3.G. | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | <p>Coating operations shall be conducted at least fifty feet (50') from the property line and at least two hundred fifty feet (250') from any recreational area, residence, or other structure not occupied or used solely by the owner of the property upon which the facility is located.</p> | Proper work practice. |
| 10 CSR 10-6.062(3)(B)3.H. | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | <p>The facility shall not be located in an ozone non-attainment area.</p> | Proper work practice. |
| 10 CSR 10-6.062(3)(B)3.I. | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | <p>Record keeping. The operator shall maintain the following records and reports: All material safety data sheets for all coating materials and solvents. A monthly report indicating the days the surface coating operation was in operation and the total tons emitted during the month, and the calculation showing compliance with the rolling average emission limits of sub paragraphs 10 CSR 10-6.062(3)(B)3.d.</p> <p>A set of example calculations showing the method of data reduction including units, conversion factors, assumptions, and the basis of assumptions.</p> <p>These reports and records shall be immediately available for inspection at the installation.</p> | <p>Determined through proper record keeping. Worksheets A, B, and C (or equivalent) shall be used to demonstrate compliance with this condition. These records shall be maintained for not less than five (5) years, and they shall be immediately available to any Missouri Department of Natural Resources personnel upon request.</p> <p>The operator shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, Missouri 65102, no later than ten (1) days after the end of the month during which these conditions are exceeded.</p> |

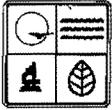
SECTION C: OTHER POTENTIALLY APPLICABLE REQUIREMENTS

This section is intended to identify regulations that may apply to this installation. There may be others not listed that apply. To determine rule applicability and specific standards please consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. Please note: this permit allows you to construct and operate your air contaminant source(s), but in no way relieves you of your obligation to comply with all applicable provisions of the Missouri Air Conservation Law, regulations of the Missouri Department of Natural Resources, and other applicable federal, state, and local laws and ordinances.

| REGULATION OR CONSTRUCTION PERMIT REFERENCE | APPLICABLE EMISSION LIMIT OR STANDARD | METHOD OF COMPLIANCE |
|--|--|--|
| 10 CSR 10-2.100, 10-3.030, or 10-4.090, 10-5.070 Open Burning Restrictions | Shall not conduct, cause, permit or allow a salvage operation, the disposal of trade wastes or burning of refuse by open burning. | Any person intending to engage in open burning shall submit a request to the Director. |
| 10 CSR 10-2.070, 10-3.090 or 10-4.070, Restriction of Emission of Odors | No person may cause, permit or allow the emission of odorous matter in concentrations and frequencies or for durations that odor can be perceived when air is diluted to 1:7 volumes of odorous to odor-free air for 2 separate trails not less than 15 minutes apart with-in 1 hour. | No odor violations noted, if and when scentometer readings are taken. |
| 10 CSR 10-5.160 Control of Odors in the Ambient Air | No person shall emit odorous matter as to cause objectionable odors unless within the limits established by this rule. | No odor violations noted, if an when scentometer readings are taken. |
| 10 CSR 10-6.065, Operating Permits | The permittee shall comply with all applicable requirements identified in the operating permit (OP); file for timely renewal of this OP; and retain a copy of the OP on-site and make available to any MDNR personnel upon request. | The permittee shall submit an annual compliance certification in accordance with the regulation. The permittee shall maintain a current equipment list on-site with the date of installation of the equipment. |
| 10 CSR 10-6.110, Submission of Emission Data, Emission Fees and Process Information | Submittal of Emission Inventory Questionnaire (EIQ) and emission fees by frequency noted in 10 CSR 10-6.110. | The permittee shall complete and submit an EIQ in accordance with 10 CSR 10-6.110. |
| 10 CSR 10-6.050, Start-up, Shutdown and Malfunction Conditions | Shall not commence construction or modification of any installation subject to this rule; begin operation after construction or modification; or begin operation of any installation which has been shut down longer than 5 years without first obtaining a permit. | In the event of a malfunction, which results in excess emissions that exceed 1 hour, the permittee shall implement corrective action and submit reports. |
| 10 CSR 10-5.530, Control of Volatile Organic Compound Emissions From Wood Furniture Manufacturing Operations | The owner or operator shall limit VOC emissions from finishing operations by complying with requirements found in 10 CSR 10-5.530(3). | Proper work practice, and maintenance of records as required by the rule. |
| 10 CSR 10-2.210, and 10-5.300 Control of Emissions From Solvent Metal Cleaning | No person shall cause or allow solvent metal cleaning or degreasing operations without adhering to the operations procedures in the rule, following the use recommendations by the equipment manufacturer, without minimum operator and supervisor training, and the equipment must conform to the specifications established in the rule. | Proper work practice, and maintenance of records as required by the rule. |

SECTION C: OTHER POTENTIALLY APPLICABLE REQUIREMENT (CONTINUED)

| REGULATION OR CONSTRUCTION PERMIT REFERENCE | APPLICABLE EMISSION LIMIT OR STANDARD | METHOD OF COMPLIANCE |
|--|---|---|
| 10 CSR 10-2.215 and 10 CSR 10-5.455 Control of Emissions from Solvent Cleanup Operations | Any person performing certain industrial cleaning involving the use of a VOC solvent shall demonstrate a thirty percent (30%) reduction in plant-wide industrial VOC cleaning solvent emissions by May 1, 2003 (10-2.215) or May 31, 2003 (10-5.455). The emission reduction shall be based on an average of the summation of the emissions in 1997 and 1998 (10-2.215) or by a representative year 1990 or 1995 (10-5.445). | Proper work practice, and maintenance of records as required by the rule. |
| 10 CSR 10-2.230, 10-5.330, Control of Emissions From Industrial Surface Coating Operations | No person shall emit any VOC from any surface coating operation in excess of amounts listed in tables 10 CSR 10-2.230(4) and 10-5.330(4). | Proper work practice, and maintenance of records as required by the rule. |
| 10 CSR 10-6.070 New Source Performance Regulations | The following federal NSPS standards may apply: (EE) Surface Coating of Metal Furniture, (MM) Automobile and Light Duty Truck Surface Coating Operations, (SS) Industrial Surface Coating: Large Appliances, (TT) Metal Coil Surface Coating, (WW) Beverage Can Surface Coating Industry, (FFF) Flexible Vinyl and Urethane Coating and Printing, (TTT) Industrial Surface Coating: Surface Coating of Plastic Parts for Business Machines. | As required by regulations. |
| 10 CSR 10-6.075 Maximum Achievable Control Technology Regulations | The following federal MACT standards may apply: (JJ) National Emission Standards for Wood Furniture Manufacturing Operation, (KKKK) Metal Can Surface Coating, (MMMM) Miscellaneous Metal Parts and Products Surface Coating, (NNNN) Large Appliance Surface Coating, (PPPP) Plastic Parts Surface Coating, (QQQQ) Wood Building Products Surface Coating, (RRRR) Metal Furniture Surface Coating, and (SSSS) Metal Coil Surface Coating. | As required by regulations. |



STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
**APPLICATION FOR AUTHORITY TO CONSTRUCT
PERMIT BY RULE NOTIFICATION
SURFACE COATING OPERATIONS**

INSTRUCTIONS

By submitting your notification, you are accepting all conditions and terms stated in this form. If you find the special conditions listed in Section B unacceptable, you may choose to submit a construction permit application and undergo a case-by-case review. Please refer to the following line-by-line instructions to complete the notification.

The notification, along with the \$700.00 fee, should be mailed to: Air Pollution Control Program, Permit-By-Rule P.O. Box 176, Jefferson City, Missouri 65102. You must also retain a copy of the notification at the installation and make it immediately available to any inspector. Once the fee and notifications have been mailed or hand-delivered, you are free to begin construction of your project under the special conditions that you have accepted. The Air Pollution Control Program will send you a letter acknowledging receipt of your notification with a permit number and a project number for agency tracking purposes. It is suggested that the attached record-keeping forms be used as a tool for the purpose of demonstrating your permit-by-rule compliance at inspections.

A copy of this electronic package may be obtained from the Department of Natural Resources' Division of Environmental Quality Web site at <http://www.dnr.mo.gov/forms/index.html>. If you have any questions about the notification form or the permit-by-rule notification procedure, please feel free to contact the Permit Section at (573) 751-4817.

NOTIFICATION FORM INSTRUCTIONS

- 1.) **Installation Name:** Enter the official company name and/or plant designation for the installation that is making the permit-by-rule notification.
- 2.) **FIPS Number:** Enter the official FIPS Number (3-digit code) which corresponds to the county name for the county in which the installation is located. Please refer to <http://www.itl.nist.gov/fipspubs/co-codes/mo.txt> for a listing. The FIPS number in combination with the Plant Number provides the identification/tracking information for the installation in the State/Federal databases.
- 3.) **Plant Number:** Enter the official Plant Number that has been assigned to the installation by the respective State or Local Agencies. If you do not know your plant number, please leave blank.
- 4.) **Installation Street Address:** Enter the street address of the physical location of installation.
- 5.) **Installation Mailing Address:** Enter the mailing address if that address is different from the street address.
- 6.) **City, State and Zip Code:** Enter the City, State and Zip Code of the physical location of the installation.
- 7.) **County:** Enter the county in which the installation is located.
- 8.) **Section, Township, Range:** Enter the appropriate information on the Section, Township and Range in which the installation is located.
- 9.) **Parent Company:** Complete this block if this installation is totally or partially owned by another company.
- 10.) **Parent Company Mailing Address:** Complete this block if this installation is totally or partially owned by another company.
- 11.) **Parent Company City, State and Zip Code:** Complete this block if this installation is totally or partially owned by another company.
- 12.) **Installation Contact Person:** Enter the name of the person who is most familiar with the operations of the installation and who can answer any questions regarding information about the installation.
- 13.) **Contact Person's Title:** Enter the title of the contact person.
- 14.) **Contact Person's Mailing Address:** Enter the mailing address for the Contact Person.
- 15.) **Installation Contact Person's Telephone Number:** Enter the Contact Person's telephone number.
- 16.) **Installation Contact Person's Fax Number:** Enter the Contact Person's fax number.
- 17.) **Installation Contact Person's e-mail Address:** Enter the Contact Person's e-mail address.
- 18.) **Projected Date to Commence Construction:** Enter the date you intend to commence construction of your installation.
- 19.) **Projected Date of Operation Startup:** Enter the date you plan to begin operation with the installation.
- 20.) **Installation Description:** Enter the general product manufactured, the material handled by your installation and principal activity that is performed at this installation.
- 21.) **Signature of Responsible Official:** Enter the signature of the installation's official, certifying that the notification is accurate and complete. Notifications without a signed certification are not considered complete. (A responsible official is: The president, secretary, treasurer or vice-president of a corporation in charge of a principal business function, or any other person who performs similar policy and decision-making functions for the corporation or a duly authorization representative of this person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either-a) The facilities employ more than 250 person or have a gross annual sales or expenditures exceeding twenty-five million dollars (in second quarter 1980 dollars); or b) The delegation of authority to his representative is approved in advance by the permitting authority.) A general partner in a partnership or the proprietor in a sole proprietorship. Either a principal executive officer or ranking elected officials in a municipality, state, federal, or other public agency. For the purpose of this part, a principal executive officer of a federal agency includes the chief executive officer having responsibility for the operations of a principal geographic unit of the agency; or The designated representative of an affected source insofar as actions, standards, requirements or prohibitions under Title IV of the Clean Air Act or the regulations promulgated under the Act are concerned or the designated representative for any purposes under Part 70.
- 22.) **Date:** Enter the date that the Signature of the Responsible Official was obtained.
- 23.) **Type or Print Name of Responsible Official:** Type or print the name of the Responsible Official signing in item 21.
- 24.) **Responsible Official's Telephone Number:** Enter the telephone number where the Responsible Official may be contacted who signed in item 21.
- 25.) **Title of Responsible Official:** Enter the official title of the Responsible Official from item 21.

Holland Future Liberty Location

Monthly Usages in Gallons

| | Material Name | Density (lb/gal) | Aug '12 | Sept '12 | Oct '12 | Nov '12 | Dec '12 | Jan '13 | Feb '13 | Mar '13 | Apr '13 | May '13 |
|-------------|------------------------------------|------------------|---------|----------|---------|---------|---------|---------|---------|---------|---------|---------|
| AT370-23/05 | Amercoat 370 Pearl Gray Resin | 15.61 | 4.50 | 12.00 | 84.50 | 176.00 | 72.00 | 62.00 | 39.00 | 12.00 | 48.00 | 70.00 |
| AT370-B/55 | Amercoat 370 Cure | 7.84 | 1.25 | 2.00 | 21.50 | 45.00 | 24.00 | 15.50 | 9.75 | 48.00 | 12.00 | 17.50 |
| AT101 | Amercoat 101 Thinner | 7.43 | 0.50 | 0.00 | 25.50 | 45.50 | 23.00 | 15.50 | 9.75 | 12.00 | 12.00 | 17.50 |
| AUE-370 | DTM Polyurethane | 9.26 | 4.50 | 12.00 | 84.50 | 140.00 | 92.00 | 72.00 | 53.00 | 54.00 | 54.00 | 98.00 |
| AM-B/05 | Amershield Cure | 9.43 | 2.75 | 5.00 | 33.50 | 38.50 | 28.00 | 26.00 | 20.50 | 21.00 | 21.00 | 31.50 |
| MR186 | Medium Reducer | 6.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JR507 | Slow Reducer | 6.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.00 | 20.50 | 21.00 | 21.00 | 31.50 |
| 0712 | UR-610 Medium Dry Urethane Reducer | 6.77 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0713 | UR-620 Slow Dry Urethane Reducer | 6.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AUE-40 | High Build Clear-Slow Dry | 8.18 | 0.00 | 8.00 | 36.00 | 16.00 | 32.00 | 32.00 | 29.00 | 30.00 | 30.00 | 28.00 |
| PLC-900 | Etch Primer | 7.34 | 0.00 | 0.00 | 0.00 | 0.00 | 20.00 | 8.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLC-901 | Etch Hardner | 6.84 | 0.00 | 0.00 | 0.00 | 0.00 | 20.00 | 8.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Natural Gas | 5.5lb/mmcf | 0.078 | 0.085 | 0.256 | 0.536 | 0.803 | 0.870 | 0.544 | 0.314 | 0.154 | 0.057 |

Note: The Liberty site usage numbers are four times the current usage numbers for the products manufactured under Holland Integrated Metal Solutions to account for an additional spray booth and increased production.

| Holland Future Liberty Location | | | | | | | | | | | | |
|--|------------------------------------|----------------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|-------------------------------|
| VOC Emissions (lbs) | | | | | | | | | | | | |
| | | Aug '12 | Sept '12 | Oct '12 | Nov '12 | Dec '12 | Jan '13 | Feb '13 | Mar '13 | Apr '13 | May '13 | May (tons) |
| AT370-23/05 | Amercoat 370 Pearl Gray Resin | 12.47 | 33.24 | 234.07 | 487.52 | 199.44 | 171.74 | 108.03 | 33.24 | 132.96 | 193.90 | 0.097 |
| AT370-B/55 | Amercoat 370 Cure | 1.95 | 3.12 | 33.54 | 70.20 | 37.44 | 24.18 | 15.21 | 74.88 | 18.72 | 27.30 | 0.014 |
| AT101 | Amercoat 101 Thinner | 3.72 | 0.00 | 189.47 | 338.07 | 170.89 | 115.17 | 72.44 | 89.16 | 89.16 | 130.03 | 0.065 |
| AUE-370 | DTM Polyurethane | 17.46 | 46.56 | 327.86 | 543.20 | 356.96 | 279.36 | 205.64 | 209.52 | 209.52 | 380.24 | 0.190 |
| AM-B/05 | Amershield Cure | 2.59 | 4.70 | 31.49 | 36.19 | 26.32 | 24.44 | 19.27 | 19.74 | 19.74 | 29.61 | 0.015 |
| MR186 | Medium Reducer | 0.00 | 0.00 | 215.46 | 249.66 | 198.36 | 68.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 |
| JR507 | Slow Reducer | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 109.44 | 140.22 | 143.64 | 143.64 | 215.46 | 0.108 |
| 712 | UR-610 Medium Dry Urethane Reducer | 0.00 | 0.00 | 13.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 |
| 713 | UR-620 Slow Dry Urethane Reducer | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 108.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 |
| AUE-40 | High Build Clear-Slow Dry | 0.00 | 39.52 | 177.84 | 79.04 | 158.08 | 158.08 | 143.26 | 148.20 | 148.20 | 138.32 | 0.069 |
| PLC-900 | Etch Primer | 0.00 | 0.00 | 0.00 | 0.00 | 132.12 | 52.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 |
| PLC-901 | Etch Hardner | | 0.00 | 0.00 | 0.00 | 135.43 | 54.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 |
| | Natural Gas Combustion | 1.71 | 1.86 | 5.63 | 11.79 | 17.67 | 19.14 | 11.96 | 6.91 | 3.38 | 1.25 | 0.001 |
| | | Monthly Total (lbs) | | | | | | | | | | 0.558 |
| | | 39.89 | 129.00 | 1228.89 | 1815.66 | 1432.71 | 1185.29 | 716.03 | 725.29 | 765.32 | 1116.10 | 11 month total |
| | | Monthly Total (tons) | | | | | | | | | | 4.019 |
| | | 0.02 | 0.06 | 0.61 | 0.91 | 0.72 | 0.59 | 0.36 | 0.36 | 0.38 | 0.56 | Current 12 Month Total |
| | | | | | | | | | | | | 4.577 |

Note: The Liberty site VOC emissions are calculated to be four times the current VOC emissions for the products manufactured under Holland Integrated Metal Solutions to account for an additional spray booth and increased production.

Holland Future Liberty Location 12 Month Rolling Sum (HAPs)

| | Monthly HAP Emissions (tons/mo) | | | | | | | | | | | 12 Month Rolling Sums (tons/12 months) | | | | | | | | | | | |
|----------|---------------------------------|--------|--------------|---------|-------|--------|-------------|-------|---------|----------|--------------|--|--------|--------------|---------|-------|--------|-------------|-------|---------|----------|--------------|--------------|
| | Xylene | Cumene | Ethylbenzene | Toluene | MIBK | Phenol | Naphthalene | HDI | Styrene | Methanol | Total HAPs | Xylene | Cumene | Ethylbenzene | Toluene | MIBK | Phenol | Naphthalene | HDI | Styrene | Methanol | Total HAPs | |
| Aug '12 | 0.002 | 0.000 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.004 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.004 |
| Sept '12 | 0.015 | 0.000 | 0.003 | 0.000 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.023 | 0.017 | 0.000 | 0.003 | 0.000 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.027 |
| Oct '12 | 0.083 | 0.001 | 0.014 | 0.034 | 0.033 | 0.001 | 0.009 | 0.000 | 0.001 | 0.000 | 0.177 | 0.100 | 0.001 | 0.017 | 0.034 | 0.039 | 0.001 | 0.010 | 0.000 | 0.002 | 0.000 | 0.000 | 0.205 |
| Nov '12 | 0.097 | 0.001 | 0.017 | 0.037 | 0.069 | 0.003 | 0.017 | 0.000 | 0.001 | 0.000 | 0.241 | 0.197 | 0.002 | 0.034 | 0.071 | 0.108 | 0.004 | 0.027 | 0.000 | 0.002 | 0.000 | 0.000 | 0.446 |
| Dec '12 | 0.440 | 0.001 | 0.088 | 0.544 | 0.170 | 0.001 | 0.009 | 0.000 | 0.001 | 0.709 | 1.960 | 0.637 | 0.003 | 0.119 | 0.615 | 0.278 | 0.006 | 0.035 | 0.000 | 0.004 | 0.709 | 2.406 | 2.406 |
| Jan '13 | 0.457 | 0.000 | 0.075 | 0.674 | 0.081 | 0.001 | 0.006 | 0.000 | 0.001 | 0.284 | 1.579 | 1.094 | 0.004 | 0.194 | 1.289 | 0.359 | 0.006 | 0.041 | 0.000 | 0.005 | 0.993 | 3.985 | 3.985 |
| Feb '13 | 0.054 | 0.000 | 0.009 | 0.000 | 0.015 | 0.001 | 0.004 | 0.000 | 0.001 | 0.000 | 0.084 | 1.148 | 0.004 | 0.203 | 1.289 | 0.374 | 0.007 | 0.044 | 0.000 | 0.006 | 0.993 | 4.069 | 4.069 |
| Mar '13 | 0.045 | 0.000 | 0.007 | 0.000 | 0.005 | 0.003 | 0.004 | 0.000 | 0.001 | 0.000 | 0.065 | 1.193 | 0.004 | 0.210 | 1.289 | 0.379 | 0.010 | 0.049 | 0.000 | 0.007 | 0.993 | 4.134 | 4.134 |
| Apr '13 | 0.059 | 0.000 | 0.010 | 0.000 | 0.019 | 0.001 | 0.004 | 0.000 | 0.001 | 0.000 | 0.094 | 1.252 | 0.004 | 0.220 | 1.289 | 0.398 | 0.011 | 0.053 | 0.000 | 0.009 | 0.993 | 4.226 | 4.226 |
| May '13 | 0.068 | 0.000 | 0.011 | 0.000 | 0.027 | 0.001 | 0.007 | 0.000 | 0.001 | 0.000 | 0.115 | 1.320 | 0.004 | 0.232 | 1.289 | 0.425 | 0.012 | 0.060 | 0.000 | 0.010 | 0.993 | 4.343 | 4.343 |

Note: The Liberty site HAPs emissions are calculated to be four times the current HAPs emissions for the products manufactured under Holland Integrated Metal Solutions to account for an additional spray booth and increased production.

| Holland Liberty Location | | |
|---------------------------------|--|---------------------------------------|
| 12 Month Rolling Sum (HAPs) | | |
| Month | Max Ind HAP (tons/12 months) | Total HAPs (tons/12 months) |
| Aug '12 | 0.002 | 0.004 |
| Sept '12 | 0.017 | 0.027 |
| Oct '12 | 0.100 | 0.205 |
| Nov '12 | 0.197 | 0.446 |
| Dec '12 | 0.709 | 2.406 |
| Jan '13 | 1.289 | 3.985 |
| Feb '13 | 1.289 | 4.069 |
| Mar '13 | 1.289 | 4.134 |
| Apr '13 | 1.289 | 4.228 |
| May '13 | 1.320 | 4.343 |

| Holland Liberty Location HAPs Summary | Actual Emissions | Threshold (tons) |
|---|------------------|------------------|
| Total HAP Emissions for May 2013 (tons) | 0.115 | |
| 11-month HAP emissions Total from Previous Months (tons) | 4.228 | |
| Current 12-month Total of HAP Emissions (tons) | 4.343 | 25 |
| Ind. HAP Emissions for May 2013 (tons) | 0.068 | |
| 11-month Ind. HAP emissions Total from Previous Months (tons) | 1.252 | |
| Current 12-month Ind. Total of HAP Emissions (tons) | 1.320 | 10 |

Note: The Liberty site HAPs emissions are calculated to be four times the current HAPs emissions for the products manufactured under Holland Integrated Metal Solutions to account for an additional spray booth and increased production.

Holland Integrated Metal Solutions
Natural Gas Combustion Emission Calculations

| Emission Unit | | Air Makeup Unit | | |
|-------------------------------------|--|---------------------|---------|-------------------------------|
| Emission Unit ID | | | | |
| Max Firing Rate | (Btu/hr) | 2,500,000 | | |
| | (MMcf/hr) | 0.00245 | | |
| Annual Fuel Usage | (MMcf/yr) | 3 | | |
| Pollutant | Emission Factor (lbs/MMCf) ^[1] | Potential Emissions | | Actual Emissions (tons/yr) |
| | | lbs/hr | tons/yr | |
| NO _x | 100 | 0.25 | 1.07 | 0.13 |
| CO | 84 | 0.21 | 0.90 | 0.11 |
| PM | 7.6 | 0.02 | 0.08 | 0.01 |
| PM ₁₀ /PM _{2.5} | 7.6 | 0.02 | 0.08 | 0.01 |
| SO ₂ | 0.6 | 0.001 | 0.006 | 0.001 |
| VOC | 5.5 | 0.01 | 0.06 | 0.01 |
| CO ₂ | 120,000 | 294.12 | 1,288 | 153 |
| CH ₄ | 2.3 | 0.006 | 0.025 | 0.003 |
| N ₂ O | 2.2 | 0.005 | 0.024 | 0.003 |
| CO _{2e} ^[2] | 120,730 | 295.91 | 1,296 | 154 |
| Ammonia | 3.2 | 0.008 | 0.034 | 0.004 |
| Total HAPs | 1.89 | 0.005 | 0.020 | 0.002 |

[1] Emission Factors are from AP-42 Chapter 1.4 "Natural Gas Combustion"

[2] GWP: NH₄ = 21, N₂O = 310

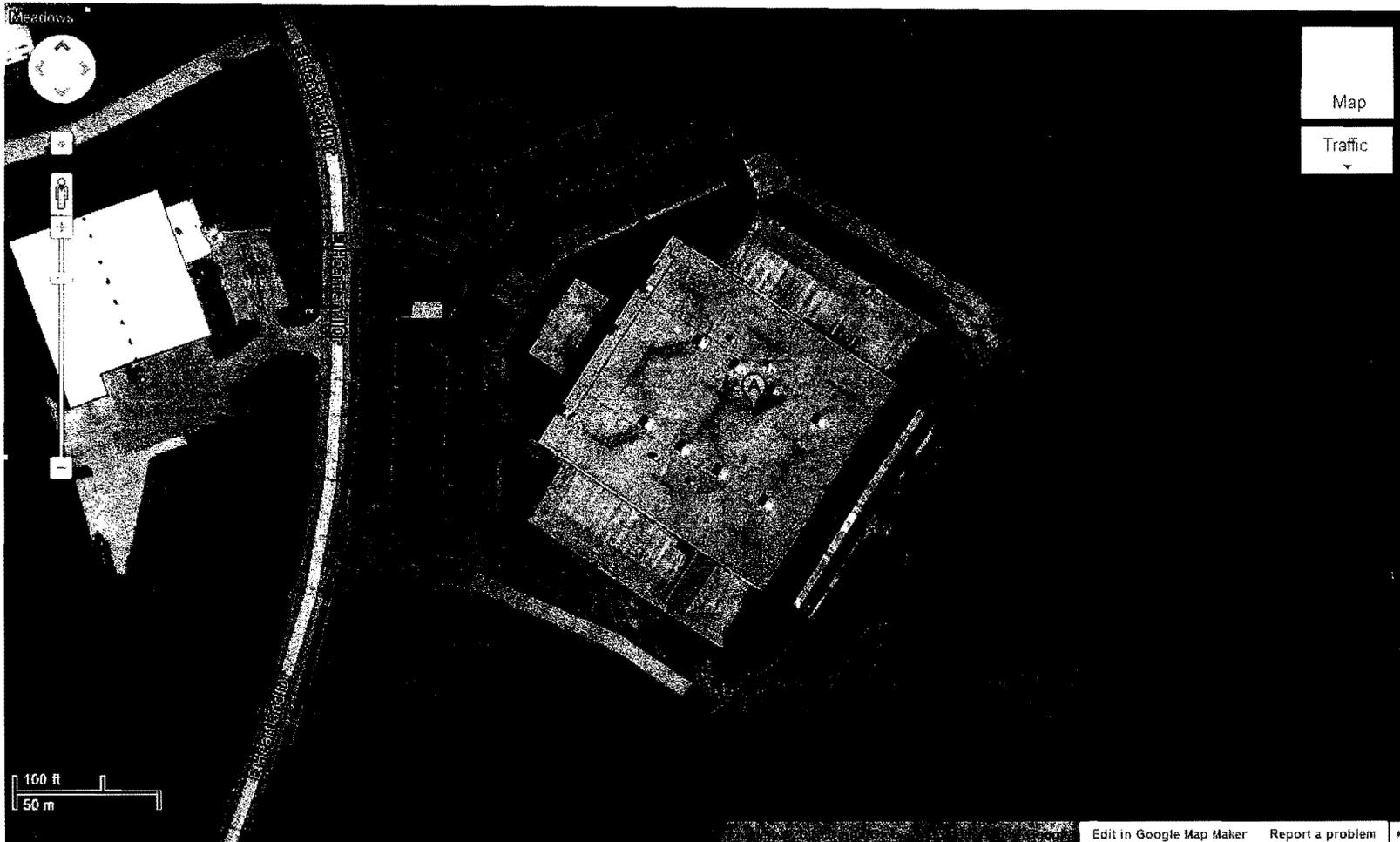


Figure: Aerial view of Holland 1916's new Liberty, MO facility where spray coating operations will take place. This aerial view will assist in showing compliance with Special Condition 10 CSR 10-6.062(3)(B)3.G.