



STATE OF CONNECTICUT)

Order No. 2392

VS.)

ILLINOIS TOOL WORKS INC.,)
DBA ITW GRAPHICS)

CONSENT ORDER

- A. With the agreement of Illinois Tool Works, Inc. dba ITW Graphics ("Respondent"), the Commissioner of Energy and Environmental Protection ("Commissioner") finds the following:
1. The Respondent is a business located at 375 New State Road in Manchester, Connecticut ("facility") that operates a number of screen printing presses and silk screen printing presses ("presses"); a screen cleaning room; and a thermal oxidizer under New Source Review (NSR) permit No. 097-0094 ("Permit") issued on December 22, 2011 by the Commissioner.
 2. At the facility, the Respondent is subject to Section 22a-174-20(ii) of the Regulations of Connecticut State Agencies ("RCSA") because the Respondent purchases for use at the facility at least 855 gallons of cleaning solvents in aggregate per rolling 12-month period. Pursuant to Section 22a-174-20(ii) of the RCSA, the Respondent shall keep records of the amount of each cleaning solvent used at the facility.
 3. At the facility, the Respondent operates a cold cleaning operation subject to Section 22a-174-20(l) of the RCSA. Pursuant to Section 22a-174-20(l) of the RCSA, the Respondent shall use a solvent that has a vapor pressure less than or equal to 1.0 mmHg at 20 degrees Celsius unless the cold cleaning operation is located in a permanent total enclosure equipped with control equipment that is designed and operated with an overall VOC removal efficiency of 90 percent or greater.
 4. Pursuant to the Permit, the Respondent shall conduct a stack emissions test to determine volatile organic compound ("VOC") emissions and to determine the overall VOC removal efficiency of the thermal oxidizer every five years from the date of last performance test. The date of the last performance test was on June 20, 2008. Accordingly, the next test was required on or before June 20, 2013.
 5. Pursuant to the Permit, the hourly VOC emissions shall be limited to 10.21 pounds per hour, the monthly VOC emissions shall be limited to 5,555 pounds per month, and the thermal oxidizer shall achieve a minimum overall VOC removal efficiency of 86.2%.

Date Issued: August 27, 2014

6. Pursuant to the Permit, the Respondent shall keep records of VOC content in each material used; monthly and 12 consecutive month VOC emission rates; quantity of inks and cleaning solvents used; and the quantity of natural gas usage from the activity of the oxidizer.
7. On June 6, 2013, a written notification was submitted to the Department of Energy and Environmental Protection, Bureau of Air Management ("Air Bureau"), by the firm Fuss and O'Neill, of Manchester CT, on behalf of the Respondent, requesting that the stack emissions test required to be conducted on or before June 20, 2013 be postponed. The notification indicated that diagnostic testing conducted by the Respondent on March 6, 2013 showed that the oxidizer was not achieving the minimum overall removal efficiency of 86.2% contained in their Permit. The Air Bureau denied the request in an email dated the same day, and directed the Respondent to conduct a test as required by their Permit.
8. On June 26, 2013, an Intent-to-Test ("ITT") protocol was received by the Air Bureau and an air emissions test was conducted on July 2, 2013. On August 1, 2013, a report containing the results of the air emissions test was received by the Air Bureau.
9. Notice of violation ("NOV") No. 17120 was issued to the Respondent on July 10, 2013, for testing past the due date of June 20, 2013, specified in Part III of the Permit.
10. On July 23, 2013, an application for minor permit modification was received by the Air Bureau requesting a change of the thermal oxidizer equipment used to capture and destroy VOC emissions from the facility. The permit modification was issued on May 24, 2014.
11. Subsequent inspections of the facility were conducted by Air Bureau staff on August 29, 2013 and September 24, 2013. The inspections revealed several violations of the Permit and the RCSA.
12. Based on the inspections and the test results, NOV No. 17142 was issued to the Respondent on December 12, 2013 for failing to meet the oxidizer's minimum overall removal efficiency as required by the Permit.
13. NOV No. 17155 was issued to the Respondent on December 12, 2013 for failing to keep accurate records of the: (1) VOC content in each material used, (2) monthly and 12 consecutive month VOC emission rates, (3) quantity of material used, and (4) natural gas usage from the activity of the oxidizer, as is required by the Permit. The Respondent also failed to provide documentation showing compliance with the Hazardous Air Pollutant ("HAP") maximum allowable stack concentration ("MASC") in Part IV of the Permit.
14. NOV No. 17156 was issued to the Respondent on December 12, 2013, for failing to keep records of solvent usage on a daily basis as required by Section 22a-174-20(ii)(6)(B)(iv) of the RCSA and for failing to use a solvent with a vapor pressure less than 1.0 mmHg at 20°C as required by Section 22a-174-20(l)(3)(K) of the RCSA.
15. NOV No. 17161 was issued to the Respondent on December 12, 2013 for exceeding the VOC content limits in Part II of the Permit for the inks and solvents used at the facility.

16. On November 8, 2013, the Respondent petitioned the Air Bureau for approval to operate a portion of its printing operation without an air pollution control system for a period of approximately 2 weeks, while new air pollution control equipment was being installed.
 17. On December 6, 2013, the Commissioner issued Consent Order No. 8337, allowing the Respondent to operate the facility according to certain restrictive conditions until December 26, 2013.
 18. On December 11, 2013, a record of the operating conditions of the facility for December 9, 2013 and December 10, 2013, was received from the Respondent by the Air Bureau. A compliance inspection was conducted at the facility on January 24, 2014. No violation of Consent Order 8337 was documented.
 19. On January 2, 2014, the Respondent sent notification to the Air Bureau that the new oxidizer, a Rotary Concentrator/Regenerative Thermal Oxidizer System ("RTO"), by Wisconsin manufacturer CMM Group LLC, had been installed and that normal production had resumed on December 23, 2013.
 20. By virtue of the above, the Respondent violated their NSR Permit and Section 22a-174-20 of the RCSA.
- B. With the agreement of the Respondent, the Commissioner, acting under Sections 22a-6, 22a-174, 22a-176 and 22a-177 of the Connecticut General Statutes, hereby orders Respondent as follows:
1. Record keeping. Within thirty (30) days after issuance of this Consent Order, the Respondent shall submit a Plan, for the Commissioner's review and approval, describing the facility's record keeping system to ensure compliance with the modified permit's record keeping requirements.
 2. Full compliance. Respondent shall not be considered in full compliance with this Consent Order until all actions required by this Consent Order have been completed as approved and to the Commissioner's satisfaction.
 3. Civil penalty. On or before thirty (30) days after issuance of this Consent Order, Respondent shall pay a penalty of \$50,000 as the total civil penalty to be sought by the Commissioner for those, and only those, violations described in Paragraph A.20 of this Consent Order.
 4. Payment of penalties. Payment of penalties under this Consent Order shall be mailed or personally delivered to the Department of Environmental Protection, Bureau of Financial and Support Services, Accounts Receivable Office, 79 Elm Street, Hartford, CT 06106-5127, and shall be by certified or bank check payable to "Treasurer, State of Connecticut." The check shall state on its face, "Bureau of Air Management Civil Penalty, Consent Order No 2392."
 5. Approvals. The Respondent shall use best efforts to submit to the Commissioner all documents required by this Order in a complete and approvable form. If the Commissioner notifies the Respondent that any document or other action is deficient, and does not approve it with conditions or modifications, it is deemed disapproved, and the Respondent shall correct the deficiencies and resubmit it within the time specified by the Commissioner or, if no time is

specified by the Commissioner, within 30 days of the Commissioner's notice of deficiencies. In approving any document or other action under this Consent Order, the Commissioner may approve the document or other action as submitted or performed or with such conditions or modifications as the Commissioner deems necessary to carry out the purposes of this Consent Order. Nothing in this paragraph shall excuse noncompliance or delay.

6. Definitions. As used in this Consent Order, "Commissioner" means the Commissioner or a representative of the Commissioner.
7. Dates. The date of "issuance" of this consent order is the date the consent order is deposited in the U.S. mail or personally delivered, whichever is earlier. The date of submission to the Commissioner of any document required by this consent order shall be the date such document is received by the Commissioner. The date of any notice by the Commissioner under this consent order, including but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is deposited in the U.S. mail or is personally delivered, whichever is earlier. Except as otherwise specified in this consent order, the word "day" as used in this consent order means calendar day. Any document or action which is required by this consent order to be submitted or performed by a date which falls on a Saturday, Sunday or a Connecticut or federal holiday shall be submitted or performed by the next day which is not a Saturday, Sunday or Connecticut or federal holiday.
8. Certification of documents. Any document, including but not limited to any notice, which is required to be submitted to the Commissioner under this Consent Order shall be signed by the Respondent or, if the Respondent is not an individual, by the Respondent's chief executive officer or a duly authorized representative of such officer, as those terms are defined in §22a-430-3(b)(2) of the Regulations of Connecticut State Agencies, and by the individual(s) responsible for actually preparing such document, and the Respondent or the Respondent's chief executive officer and each such individual shall certify in writing as follows:

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement made in the submitted information is punishable as a criminal offense under Section §53a-157b of the Connecticut General Statutes and any other applicable law."
9. Noncompliance. This Consent Order is a final order of the Commissioner with respect to the matters addressed herein, and is nonappealable and immediately enforceable. Failure to comply with this Consent Order may subject the Respondent to an injunction and penalties. Failure to operate within the limits set forth in Paragraph C. of this Consent Order could result in further enforcement action according to the Department of Energy and Environmental Protection's Enforcement Response Policy.
10. False statements. Any false statement in any information submitted pursuant to this consent order may be punishable as a criminal offense under §53a-157b of the Connecticut General Statutes and any other applicable law.

11. Notice of transfer; liability of Respondent. Until the Respondent has fully complied with this Consent Order, Respondent shall notify the Commissioner in writing no later than 15 days after transferring all or any portion of the facility, the operations, the site or the business which is the subject of this Consent Order or after obtaining a new mailing or location address. The Respondent's obligations under this Consent Order shall not be affected by the passage of title to any property to any other person or municipality.
12. Commissioner's powers. Except as provided hereinabove with respect to payment of civil penalties, nothing in this Consent Order shall affect the Commissioner's authority to institute any proceeding or take any other action to prevent or abate violations of law, prevent or abate pollution, recover costs and natural resource damages, and to impose penalties for past, present, or future violations of law. If at any time the Commissioner determines that the actions taken by Respondent pursuant to this Consent Order have not successfully corrected all violations, fully characterized the extent or degree of any pollution, or successfully abated or prevented pollution, the Commissioner may institute any proceeding to require the Respondent to undertake further investigation or further action to prevent or abate violations or pollution.
13. Respondent's obligations under law. Nothing in this Consent Order shall relieve the Respondent of other obligations under applicable federal, state and local law.
14. No assurance by Commissioner. No provision of this Consent Order and no action or inaction by the Commissioner shall be construed to constitute an assurance by the Commissioner that the actions taken by the Respondent pursuant to this Consent Order will result in compliance.
15. Access to site. Any representative of the Department of Energy and Environmental Protection may enter the facility without prior notice for the purposes of monitoring and enforcing the actions required or allowed by this Consent Order.
16. No effect on rights of other persons. This Consent Order neither creates nor affects any rights of persons or municipalities that are not parties to this Consent Order.
17. Notice to Commissioner of changes. Within 15 days of the date the Respondent becomes aware of a change in any information submitted to the Commissioner under this Consent Order, or that any such information was inaccurate or misleading or that any relevant information was omitted, the Respondent shall submit the correct or omitted information to the Commissioner.
18. Notification of noncompliance. In the event that the Respondent becomes aware that it did not or may not comply, or did not or may not comply on time, with any requirement of this Consent Order or of any document required hereunder, the Respondent shall immediately notify by telephone the individual identified in the next paragraph and shall take all reasonable steps to ensure that any noncompliance or delay is avoided or, if unavoidable, is minimized to the greatest extent possible. Within five (5) days of the initial notice, the Respondent shall submit in writing the date, time and duration of the noncompliance and the reasons for the noncompliance or delay and propose, for the review and written approval of the Commissioner, dates by which compliance will be achieved, and the Respondent shall comply with any dates which may be approved in writing by the Commissioner. Notification by the Respondent shall not excuse noncompliance or delay, and the Commissioner's approval of any compliance dates proposed

shall not excuse noncompliance or delay unless specifically so stated by the Commissioner in writing.

- 19. Submission of documents. Any document required to be submitted to the Commissioner under this Consent Order, unless otherwise specified in this Consent Order or in writing by the Commissioner, shall be directed to:

Marco Lumbroso
 Department of Energy and Environmental Protection
 Air Engineering & Enforcement Division
 79 Elm Street, 5th Floor
 Hartford, Connecticut 06106-5127

Respondent consents to the issuance of this Consent Order without further notice. The undersigned certifies that he/she is fully authorized to enter into this Consent Order and to legally bind Respondent to the terms and conditions of the Consent Order.

Illinois Tool Works, Inc. dba ITW Graphics

Signature: *Brian S. Russell*

Type Name: *BRIAN S. RUSSELL*

Type Title: *OPERATIONS MGR.*

Date: *8/18/14*

Issued as a final order of the Commissioner of Energy and Environmental Protection.

Robert Klee
~~Mackey McCleary~~ *Robert Klee*
 Deputy Commissioner
 Department of Energy and Environmental Protection

8/27/14
 Date

MAILED CERTIFIED MAIL,
RETURN RECEIPT REQUESTED