

Source Inspection Report

COMPANY: PolyJohn Enterprises
2500 Gaspar Avenue
Hammond, Indiana 46394
(219) 659-1152

*Violation(s) Observed (Y/N)?	
State	No
Local	No

SOURCE ID NUMBER: N/A INSPECTION DATE: February 15, 2017
SOURCE CLASSIFICATION: Local LEVEL: 2
OPERATION PERMIT TYPE: Local TYPE: Annual
OPERATION PERMIT NO: 03763
ISSUE DATE: January 25, 2017 INSPECTOR: Michael Zabrecky
PERMIT REVISION DATE: N/A
REPORT WRITTEN BY: Michael Zabrecky

FACILITIES INSPECTED: Entire Plant

PERSON(S) INTERVIEWED: Mr. Robert Pulley, Production Manager

INSPECTION OBJECTIVE(s):

To perform an unannounced inspection to evaluate PolyJohn Enterprises' compliance with applicable air pollution regulations specified in their local operation permit.

SUMMARY OF INSPECTION:

On February 15, 2017, an Annual Inspection was conducted at PolyJohn Enterprises. This facility holds one (1) operation permit for the Vacuum Forming and Rotational Molding Processes.

Two (2) thermal formers, three (3) rotomold ovens, the polyethylene sheet extruder, and two (2) injection molders were in operation.

No visible emissions, modifications, or violations observed.

Source Inspection Report

PolyJohn Enterprises - 2/15/2017

Plant ID: N/A

ENTRY INTERVIEW:

Upon entry, I met with Mr. Robert Pulley, the Production Manager for PolyJohn Enterprises I informed him that this is an Annual Inspection, and that I wanted to inspect the locally permitted items.

INSPECTION OBSERVATION(s):

1. Process Equipment:
Three (3) polyethylene receiving silos
Three (3) natural gas-fired thermal formers (T1, T2, and T3)
Two (2) electric, thermal formers (T4 and T5)
Four (4) natural gas-fired rotomold ovens (R1, R2, R3, and R4)
One (1) electric, polyethylene sheet extruder (EXT1)
Three (3) electric, plastic injection molders (IM 1, IM 2, and IM 3)
One (1) electric, plastic sheet molder (PSF 1)
2. Process Description:
This process includes three (3) polyethylene receiving silos containing bin vents; three (3) natural gas-fired thermal formers (T1 and T2 with pre-heaters and T3 without), having a combined capacity of 2.668 MMBtu/hr and maximum rate of 911 lbs/hr; two (2) electric, thermal formers (T4 and T5) each with a maximum rate of 523 lbs/hr; four (4) natural gas-fired rotomold ovens (R1, R2, R3, and R4) with a combined capacity of 12.0 MMBtu/hr and maximum rate of 2,400 lbs/hr and one (1) electric, polyethylene sheet extruder (EXT1) with a maximum rate of 1,600 lbs/hr. There are also three (3) electric, plastic injection molders (IM 1, IM 2, and IM 3) each with a maximum rate of 60 lbs/hr used for small parts and an electric, plastic sheet molder (PSF 1) with a maximum rate of 1,200 lbs/hr used in forming egg cartons.
3. Pollutants Emitted:
Particulate matter (PM), sulfur dioxide (SOx), nitrogen oxides (NOx), volatile organic compounds (VOC), and carbon monoxide (CO)
4. Control Equipment:
Bin Vents on the three (3) polyethylene receiving silos.
5. Applicable Rules:
The provisions of 326 IAC Article 2 (State Permit Review Rules), and Hammond Ordinances #7102 (Environmental) and #3522 (as Amended) (Air Quality Control)
6. Emission Limitations:
PM = 0.1629 lbs/hr = 0.7135 Tons Per Year (TPY)
SOx = 0.0088 lbs/hr = 0.0385 TPY
NOx = 1.4668 lbs/hr = 6.4246 TPY
VOC = 0.0807 lbs/hr = 0.3534 TPY
CO = 1.2321 lbs/hr = 5.3967 TPY

Source Inspection Report

PolyJohn Enterprises – 2/15/2017

Plant ID: N/A

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7. Other Permit Requirements:
See the General and Special Operation Permit Conditions.
8. Observations:
- a) Three (3) polyethylene receiving silos: (outside the facility)
No truck deliveries were observed during the inspection.
 - b) Main Building: (rotomold ovens & thermal formers)
Three (3) of the four (4) rotomold ovens were operating with the following temperatures R1: 375°F, R3: 450°F, and R4: 425°F.
Thermal Former T1 and T2 were in operation.
No visible emissions or modifications were observed from any of the rotomold ovens or the thermal formers.
 - c) North Building: (polyethylene sheet extruder)
The sheet extruder was in operation. No visible emissions or modifications observed.
 - d) South Building: (electric, plastic injection molders & plastic sheet molder)
The IM 1 and IM 3 injection molders were in operation. No visible emissions or modifications observed.
9. Records Review:
No records review was performed. Per Mr. Pulley, the maintenance personnel had recently checked the filters from the bin vents.
10. Compliance Status:
No violations observed or determined during the plant inspection.

CONCLUSION(s)/RECOMMENDATION(s) :

The entire facility was inspected. No violations, visible emissions, or new sources of air emissions were observed.