INSPECTION REPORT FORM AIR POLLUTION EMISSION SOURCES

REVIEWED

By Caroline Shine at 11:09 am, Dec 18, 2012

Received 12/18/12

FACILITY:		DISTRIC	Γ:	COUNTY:
Kingspan Insulated Panels Facility		Central District Volusia		
ADDRESS:		CONTACT:		
725 Summerhill Drive		Marcos Garibay, Polymer Engineer		
Deland, FL 32724		386-626-6789 ext. 2212 <u>mgaribay@kingspanpanels.com</u>		
AIRS# PERMIT #:		EXPIRATION DATE:		
1270174	1270174-003-AF	July 30, 2015		
	1270174-004-AC	January		ary 31, 2014
SOURCE DESCRIPTION:				
Polyurethane Foam Manufacturer				
INSPECTION DATE: AUDIT TYPE:		COMPLIANCE STATUS:		
December 13, 2012 INS2		In Compliance		
INSPECTION COMMENTS/RECOMMENDATIONS:		•		
Wanda Parker-Garvin with FDEP visited the subject facility to perform a compliance inspection. She made contact with Mr.				
Marcos Garibay of Kingspan Insulated Panels. Mr. Garibay accompanied Ms. Parker-Garvin on a walk-through of the				
facility. The facility manufactures metal-laminated, polyurethane foam panels. The panels are used as an insulating material				
for buildings, roofs, refrigeration units, garage doors, etc. The metal that is received by the facility is inspected, embossed,				
and stored as a roll until ready to use. Two raw materials are used to make the foam core for the laminate. Isocyanate is used				
with the polyol compound and an 80/20 cyclopentane/isopentane mix acts as a blowing agent which, when sprayed,				
changes from a liquid to a gas and forms the closed-cell foam.				
Production of the foam panels begins by pre-heating two metal sheets which are conveyed along three existing production				
lines. Each continuous line has a burner that is used to heat the metal sheets. Natural gas is used to fuel the burners. As the				
				ng head, and sprayed in an even
				force a reaction in which a solid,
lightweight foam is created. Routers are used for cutting and sawing is performed in enclosed areas. Air from each area is				
vented to a baghouse and the exhaust air is discharged inside the facility.				
Ms. Parker-Garvin asked to review the facility records. Mr. Garibay provided the Saw Dust Collector Inspector Log, Pentane				
Delivery Tracking Log and stated the facility did not have emergency generators. Mr. Garibay emailed the Emissions				
Inventory to Ms. Parker-Garvin on December 15, 2012.				
Facility-wide Conditions No objectionable adopt years detected on on off facility property.				
No objectionable odors were detected on or off facility property.				
No areas were observed where reasonable precautions were not used to prevent unconfined particulate emissions.				
Emissions Units and Conditions (December 201 – November 2012)				
The facility emitted 12.19 tons VOCs , 30.48% of the permit limit of 40.0 tons VOCs per 12-month period.				
The facility emitted 4.39 tons HAPs , 17.56% of the permit limit of 25.0 tons HAPs per 12-month period.				
The facility emitted 3.31 tons of HAPs , 33.1% of the permit limit is 10.0 tons of an individual HAPs per 12-month period.				
The facility used 778.6 mmBTU of natural gas in the burners and ovens.				
Based on the inspection and documentation provided, Ms. Parker-Garvin found the facility to be in-compliance.				
INSPECTOR(S) NAME(S):	*** 1 ~~ 1	<i>C</i> .		
	Wanda Parl	ker-Garvın		
SIGNATURE(S):			D	ATE:
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