

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
ACTIVITY REPORT: Self Initiated Inspection

P0722

P072235708

FACILITY: Tri-Tec Polymers, Inc.	SRN / ID: P0722
LOCATION: 209 Elm Street, HOLLY	DISTRICT: Southeast Michigan
CITY: HOLLY	COUNTY: OAKLAND
CONTACT:	ACTIVITY DATE: 07/12/2016
STAFF: Iranna Konanahalli	COMPLIANCE STATUS: Compliance
SUBJECT: FY 2016 inspections of E & M Industries, Inc. ("E & M") and Tri-Tec Polymers, Inc. ("Tri-Tec"). See below SRN notes.	SOURCE CLASS: Minor
RESOLVED COMPLAINTS:	

P0722 - SAR - 2016 07 12

**E & M Industries, Inc. (SRN P0722, formerly M4252)**  
**Tri-Tec Polymers, Inc. (SRN P0722, formerly M4252)**  
**209 Elm Street**  
**Holly, Michigan 48442-1404**

**Files: Mark all files for E & M Industries, Inc. out of business or moved out from 209 Elm Street, Holly**

**SRN reassign (2016): E & M Industries, Inc. (M4252) – moved out or out of business. → Tri-Tec Polymers, Inc. (M4252) – moved into this building about 2010. Again, Tri-Tec Polymers, Inc. (M4252) got new SRN P0722 due errors in street number (209 Elm Street Vs. 212 Elm Street, Yankee Screw Products Co., which now [as of July 2016] has SRN M4252)**

**PTIs denied: PTI Nos. 367-96 (01/17/1997) & 357-96 (01/17/1997)**

**PTI voids: PTI Nos. 238-91A (06/18/2001), 238-91 (03/05/1997), 267-85A (06/18/2001) & 267-85 (03/05/1997)**

On July 12, 2016, I conducted level-2 self-initiated inspections of E & M Industries, Inc. ("E & M") and Tri-Tec Polymers, Inc. ("Tri-Tec"), a Teflon billets and seals manufacturing company, located at 209 Elm Street, Holly, Michigan 48442-1404. The inspections were conducted to determine compliance with the Federal Clean Air Act; Article II, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451; and Michigan Department of Environmental Quality, Air Quality Division (MDEQ-AQD) administrative rules.

**Tri-Tec Polymers, Inc. (P0722)**

During the FY 2016 inspection, Mr. Rory J. Scheving (Phone: 248-369-8080; Cell: 810-240-8302; Fax: NA; E-mail: Rory@TriTecPolymers.com), President and Owner, assisted me.

Tri-Tec is in the business of manufacturing Teflon (poly-tetra-fluoro-ethylene, PTFE,  $(C_2F_4)_n$ , CAS# 9002-84-0) seals, gaskets, billets, etc.; Teflon is a Du Pont brand name for the material. Molecular formula  $(C_2F_4)_n$  suggests Teflon consists only of carbon (C) and Fluorine (F) with strong C-F polar covalent bond. Tri-Tec buys generic Teflon. Tri-Tec moved into this Holly building about 2010. There are two parts to the plant: manual Teflon powder compression (low production) area and automated Teflon pellets compression (high production) area. A wide variety of molds is present for molding Teflon sealing products.

While manual compression (hand pressure) into a mold use Teflon powder and machine

powered molding uses Teflon pallets. Thus pressed Teflon molds (both manual and machine compression) are baked at  $\approx 700$  °F in two natural-gas-fired sintering ovens (Grieve). 12-24-hour sintering results in inter-molecular bonding reaction to produce indestructible plastics; oven hold times at the temperature of  $\approx 700$  °F vary with geometry and dimensions. Teflon products have resistance to corrosive reagents and offer low coefficient of friction.

Except natural gas fired sintering ovens (2), manufacturing processes and equipment do not exhaust air contaminants to outside ambient air. The processes and equipment are exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rules 282, 285, etc.

### **E & M Industries, Inc. (P0722)**

Mark all files for E & M Industries, Inc. out of business or moved out from 209 Elm Street, Holly

### **Conclusion**

E & M Industries, Inc. out of business or moved out. Tri-Tec is in the business of manufacturing Teflon seals, gaskets, billets, etc. Tri-Tec Polymers, Inc. (M4252) got new SRN P0722 due errors in street number (209 Elm Street Vs. 212 Elm Street, Yankee Screw Products Co. which now [as of July 2016] has SRN M4252))

NAME J. S. McManis DATE 7/27/2016 SUPERVISOR CJE

## Konanahalli, Iranna (DEQ)

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**From:** Denison, Renee (DEQ)  
**Sent:** Wednesday, July 27, 2016 9:18 AM  
**To:** Konanahalli, Iranna (DEQ)  
**Cc:** McGeen, Dennis (DEQ); Ethridge, Christopher (DEQ); Thelen, Sue (DEQ); Ciavattone, Deborah (DEQ)  
**Subject:** RE: SRN reassign (2016): E & M Industries, Inc. (M4252) → Tri-Tec Polymers, Inc. (M4252)

The SRN for Tri-Tec Polymers, Inc., 209 Elm Street, Holly is P0722.

This afternoon, I will change the name of M4252, 212 Elm Street to Yankee Screw Products Co.

Please contact me if you have any questions.

*Renee Denison*, MAERS Coordinator  
Michigan Department of Environmental Quality  
Air Quality Division  
517-284-6741

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**From:** Denison, Renee (DEQ)  
**Sent:** Tuesday, July 19, 2016 2:29 PM  
**To:** Konanahalli, Iranna (DEQ)  
**Cc:** McGeen, Dennis (DEQ); Ethridge, Christopher (DEQ); Thelen, Sue (DEQ); Ciavattone, Deborah (DEQ)  
**Subject:** RE: SRN reassign (2016): E & M Industries, Inc. (M4252) \ Tri-Tec Polymers, Inc. (M4252)

Iranna,

I cannot find any records of when M4252 was issued, but when I did a google search for 212 Elm Street, Holly, it came up with Yankee Screw Products Co. Here is a link to their website <http://www.yankeescrew.com/>

It may have been that E&M Industries had equipment in multiple buildings, in the permit files I found addresses of 209, 409, 201 and 2012; it's unclear if these were equipment addresses or the office/ mailing address.

I would prefer to leave SRN M4252 assigned to 212 Elm Street and issue a new SRN to 209 Elm. I am in a meeting the rest of today, but if you want to discuss this further I can call you tomorrow morning.

*Renee Denison*, MAERS Coordinator  
Michigan Department of Environmental Quality  
Air Quality Division  
517-284-6741

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**From:** Konanahalli, Iranna (DEQ)  
**Sent:** Monday, July 18, 2016 1:36 PM  
**To:** Denison, Renee (DEQ)  
**Cc:** McGeen, Dennis (DEQ); Ethridge, Christopher (DEQ); Thelen, Sue (DEQ); Ciavattone, Deborah (DEQ)  
**Subject:** RE: SRN reassign (2016): E & M Industries, Inc. (M4252) \ Tri-Tec Polymers, Inc. (M4252)

209

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**From:** Denison, Renee (DEQ)  
**Sent:** Monday, July 18, 2016 1:29 PM  
**To:** Konanahalli, Iranna (DEQ)  
**Cc:** McGeen, Dennis (DEQ); Ethridge, Christopher (DEQ); Thelen, Sue (DEQ); Ciavattone, Deborah (DEQ)  
**Subject:** RE: SRN reassign (2016): E & M Industries, Inc. (M4252) \ Tri-Tec Polymers, Inc. (M4252)

Iranna,

Is the address **209** or **212** Elm Street? Is the facility on the north or south side of Elm Street? MACES and MAERS has the address for M4252 as 212 Elm Street. I just want to make sure, we have the correct address/SRN.

Thank you.

*Renee Denison*, MAERS Coordinator  
Michigan Department of Environmental Quality  
Air Quality Division  
517-284-6741

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**From:** Konanahalli, Iranna (DEQ)  
**Sent:** Monday, July 18, 2016 12:58 PM  
**To:** Denison, Renee (DEQ); Thelen, Sue (DEQ); Ciavattone, Deborah (DEQ)  
**Cc:** McGeen, Dennis (DEQ); Ethridge, Christopher (DEQ)  
**Subject:** SRN reassign (2016): E & M Industries, Inc. (M4252) \ Tri-Tec Polymers, Inc. (M4252)

**E & M Industries, Inc. (M4252)**  
**Tri-Tec Polymers, Inc. (M4252)**  
**209 Elm Street**  
**Holly, Michigan 48442-1404**

**Files: Mark all files for E & M Industries, Inc. out of business or moved out from 209 Elm Street, Holly**

**SRN reassign (2016): E & M Industries, Inc. (M4252) – moved out or out of business. → Tri-Tec Polymers, Inc. (M4252) – moved into this building about 2010**

**PTIs denied: PTI Nos. 367-96 (01/17/1997) & 357-96 (01/17/1997)**

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**Tri-Tec Polymers, Inc. (M4252)**

During the FY 2016 inspection, Mr. Rory J. Scheving (Phone: 248-369-8080; Cell: 810-240-8302; Fax: NA; E-mail: [Rory@TriTecPolymers.com](mailto:Rory@TriTecPolymers.com)), President and Owner, assisted me.

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### **E & M Industries, Inc. (M4252)**

Mark all files for E & M Industries, Inc. out of business or moved out from 209 Elm Street, Holly

### **Conclusion**

E & M Industries, Inc. out of business or moved out. Tri-Tec is in the business of manufacturing Teflon seals, gaskets, billets, etc.

