

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
**ACTIVITY REPORT: On-site Inspection**

U50230710669775

<b>FACILITY:</b> Chemico Systems		<b>SRN / ID:</b> U502307106
<b>LOCATION:</b> 50725 Richard West Boulevard, Chesterfield		<b>DISTRICT:</b> Warren
<b>CITY:</b> Chesterfield		<b>COUNTY:</b> MACOMB
<b>CONTACT:</b> Leonard Powell ,		<b>ACTIVITY DATE:</b> 10/11/2023
<b>STAFF:</b> Kerry Kelly	<b>COMPLIANCE STATUS:</b> Compliance	<b>SOURCE CLASS:</b>
<b>SUBJECT:</b> Self-initiated inspection. Based on inspection observations and records received, the facility has only exempt equipment.		
<b>RESOLVED COMPLAINTS:</b>		

On October 11, 2023, I (Kerry Kelly, EGLE, AQD) conducted a self-initiated inspection of Chemico Systems located at 50725 Richard West Blvd, Chesterfield, Michigan. The purpose of the inspection was to verify the facility's compliance with requirements of the Federal Clean Air Act; Article II, Air Pollution Control, Part 55 of Act 451 of 1994. Chemico Systems is located at the same address as DuBois Chemicals (SRN N5722). DuBois Chemicals bought out part of Chemico Systems operations in March 2020 and assumed the SRN and PTI (127-16) previously assigned to Chemico Systems.

The building Chemico Systems is located in abuts the southwest corner of DuBois Chemicals. Chemico Systems owned and operated the paint stripping business at what is now DuBois Chemicals until March 2020. Based on discussions with the contacts for the two facilities, Chemico Systems and DuBois Chemicals are not under common control. Chemico Systems operates and controls the batch chemical mixing process and DuBois Chemicals operates and controls the paint stripping process. As a result, the report for Chemico Systems is being logged as an unregistered facility.

Chemico Systems is bordered immediately by industrial properties to the east, north and south, and residential to the west. The closest residential area is located approximately two-tenths of a mile west of Chemico Systems.

Scott Bernard, DuBois Chemicals, introduced me to the contact for Chemico Systems, Leonard Powell. Leonard showed me the batch chemical process.

#### BATCH CHEMICAL MIXING

During the inspection, I saw 3 chemical blending machines with capacities of 1,000 gallons, 500 gallons, and 150 gallons at Chemico Systems. These tanks are used to make products such as glass cleaners, paint booth coatings (applied to booth walls to prevent paint from adhering to the booth), water-based paint cleaners, degreasers, and floor cleaners. Ryan Kierzkowski, Chemist, Chemico Systems, provided Safety Data Sheets (SDS) for the products mixed at Chemico (S:\Air Quality Division\STAFF\Kerry Kelly\FY 2024 Inspections\Chemico Systems).

I reviewed the SDSs Ryan provided. The most common ingredients include water, 2-butoxy-1-ethanol, benzyl alcohol, petroleum distillates, and solvent naphtha. Some of the products contain xylene. The ingredients with the highest vapor pressure that I saw were water and xylene (0.348 psia @ about 100 degrees Fahrenheit).

The raw materials that I observed during the inspection were stored in closed containers inside the warehouse. Mixing was not taking place during the inspection. Storage, mixing, blending, or transfer operations of volatile organic compounds or noncarcinogenic liquids in a vessel that has a capacity of not more than 40,000 gallons where the contents have a true

vapor pressure of not more than 1.5 psia at the actual storage conditions are exempt from the requirement to obtain a PTI per Rule 284(2)(i).

#### CONCLUSION

Based on my observations and records reviewed for this inspection, Chemico Systems only operates PTI exempt equipment.

NAME K. Kelly DATE 11/6/2023 SUPERVISOR Joyce