

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

N215563000

FACILITY: FCA US LLC - JEFFERSON NORTH ASSEMBLY PLANT		SRN / ID: N2155
LOCATION: 2101 CONNER AVE, DETROIT		DISTRICT: Detroit
CITY: DETROIT		COUNTY: WAYNE
CONTACT: Rebecca Payne , Supervisor Env, Health, Safety-MACK Assembly		ACTIVITY DATE: 05/11/2022
STAFF: Robert Byrnes	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MAJOR
SUBJECT: FY-22 Site inspection/observation of odor abatement equipment.		
RESOLVED COMPLAINTS:		

On May 11, 2022 Dave Thompson and I conducted an announced inspection of the Stellantis Mack Assembly Plant. We met with Paul Diven and Rebecca Payne at the entrance near the flags. The main purpose of this visit was to view progress on the use of odor minimization products such as Cupridyne and Nalco Oasis. We visited the paint shop and final assembly portions of the assembly plant to observe operations.

FCA showed us each system and the pumps, hoses, spray equipment etc. The Nalco 904 product was had more of a soapy detergent/simple green type smell which they thought was acting more like a masking agent they explained. The Cupridyne product is the one they want to use and has more promise but there have been issues with the pump(s) overheating and keeping the system running consistently. Overall, each system did not look permanent as flex tubing, extension cord, hand paint spray gun with the trigger zip tied wide open were mostly what to be just temporarily fixed in place. They are awaiting new odor sampling results from the cooling tunnels as there is no system in place there yet. They are reluctant to use the odor products here as it could possibly get on the car and ruin the paint job. Overall I think they still have work to do/decisions to make and could probably be more diligent or update us more frequently on the odor products. Internal plant air balancing issues also seem to be popping up on visits so perhaps there are opportunities for maintenance staff to be more proactive in these areas.

During our walk through the plant, General Assembly (GA) had a strong paint shop odor which we investigated near large doors. The paint shop odors were coming through the trestle from paint to GA. Rebecca made a phone call to maintenance which they were going to work on the air balancing in the trestle. The trestle was not part of the original odor study. We did not observe the odor outside of the building

After the site inspection, I spoke with Jon Lamb and discussed his odor investigations on a Robert Schobe complaint from the Friday before. He noticed intermittent level 3 paint odors at first. He called FCA, Paul Diven and Rebecca Payne came out. They then noticed a more soapy/detergent intermittent level 3 odor. We are assuming they turned on the Nalco system prior to their arrival. Jon and I agreed that based upon level 3 odors, Jon will be drafting a VN which will go out next week.

Dave and I concluded our site inspection with a drive to DHS on Connor Ave and around to Beniteau Street. We did not observe any paint shop paint odors or detergent/soapy type odors during our drive around the plant. We left the area around 3:00 pm that day.

NAME Robert Byrnes

DATE 5-25-2022

SUPERVISOR APRIL WENDLING 10/11/2022