

P1353
MANILADEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: On-site Inspection

P135373589

FACILITY: UNIFIRST CORPORATION		SRN / ID: P1353
LOCATION: 9951 INKSTER ROAD, TAYLOR		DISTRICT: Detroit
CITY: TAYLOR		COUNTY: WAYNE
CONTACT: Christopher Bryan , Production Manager		ACTIVITY DATE: 08/21/2024
STAFF: Jill Zimmerman	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Target Inspection		
RESOLVED COMPLAINTS:		

DATE OF INSPECTION : 8/21/2024

INSPECTED BY : Jill Zimmerman

PERSONNEL PRESENT : Christopher Bryan, Production Manager

FACILITY PHONE NUMBER : 313-299-5118

FACILITY EMAIL : Christopher_bryan@unifirst.com

FACILITY BACKGROUND

Unifirst Corporation (Unifirst) is a rental and cleaning company for work uniforms, shop towels, and floor mats. This location operates one wash cycle per day, which lasts about ten hours. The facility relocated from a different Taylor location since the last inspection.

REQUIRED PPE

During the onsite inspection, I wore steel toed safety shoes, safety vest and eye protection.

COMPLAINT/COMPLIANCE HISTORY

No complaints have been received regarding this facility. No violations have been issued regarding this facility.

PROCESS EQUIPMENT AND CONTROLS

Soiled items, such as uniform shirts and pants, shop towels, and floor mats, are brought to the facility by truck and placed in laundry bags separated by type. These bags are then weighed and moved along a conveyor system to the washing area. The facility operates 9 washing machines, capable of laundering 450 pounds per load, and 5 dryers. This equipment is powered by natural gas. After being laundered, the items are moved by a conveyor system to be further sorted by customer and location. All uniforms are labeled with a bar code to identify the customer renting

the item. Typically, a company rents 11 uniforms per employee, allowing for a week of clean uniforms, a week of uniforms being laundered, and a uniform being worn.

INSPECTION NARRATIVE

I arrived at the facility and did not smell any odors in the parking lot or lobby of the facility. Next, I entered the facility and met with Mr. Christopher Bryan. Together, we discussed the operations at this location and the permit.

Next, we walked through the facility. Soiled items are brought in, sorted into laundry bags and weighed. The laundry bags are conveyed to the washing area. Here the 11 washers (with a capacity between 100 pounds and 650 pounds) and 7 dryers (with a capacity between 170 pounds and 700 pounds). After being washed and dried, the items are sorted and prepared to be returned to the customer. One steam tunnel are used to remove wrinkles and the steam is generated by one natural gas fired boilers. There is one water treatment systems to pretreat wastewater before it is discharged.

APPLICABLE RULES/PERMIT CONDITIONS

This facility currently operates by permit 51-23A, which was issued on October 26, 2023. The special conditions are as follows:

FGLAUNDRY – Includes eleven industrial washers, seven natural gas-fired industrial dryers, one natural gas-fired wrinkle-removing steam tunnel, one on-site wastewater treatment system and one natural gas-fired process boiler.

- I. Emission Limits – Compliance. Based on the records received, the facility emitted less than 2 tons of VOC during the past nine months that the facility has operated at this location. This is less than the 9.8 tons of VOC per 12-month rolling time period permit limit.
- II. Material Limits – Compliance. The highest reported month for processed towels was January 2024 when 46,445 pounds were processed, which is lower than the permitted limit of 183,333 pounds. The facility has not yet operated for twelve months, so a 12-month rolling time period limit was not evaluated. Only natural gas is fired in the boiler. Only water-based detergents and bleach are used in the laundering process. No print towels or furniture towels are laundered at this facility. The facility does not laundry printed towels or furniture towels.
- III. Process / Operational Restriction – Compliance. The facility has a lint maintenance plan in place. The lint collector is emptied daily, and each machine is inspected on a weekly basis. The checklist was reviewed onsite.
- IV. Design / Equipment Parameters – Compliance. The facility has installed lint collectors on the dryers.
- V. Testing / Sampling – NA. No testing is requested at this time.
- VI. Monitoring / Recordkeeping – Compliance. A copy of the records collected during the inspection are attached to this report. The facility appears to be maintaining the proper records.
- VII. Reporting – NA
- VIII. Stack / Vent Restrictions – Compliance. All stacks were installed to the proper specifications and have not been altered.
- IX. Other Requirements – NA

FGNATURALGAS -- Includes a collection of natural gas-fired space heaters and rooftop units with a combined heat input capacity of 4.41 MMBtu/hr.

- I. Emission Limits – NA
- II. Material Limits – Compliance. Only natural gas is fired at this facility.
- III. Process / Operational Restriction – Compliance. The facility's natural gas fired units do not exceed a heat input capacity of 4.41 MMBtu./hr
- IV. Design / Equipment Parameters – NA
- V. Testing / Sampling – NA
- VI. Monitoring / Recordkeeping – NA
- VII. Reporting – The facility has not relocated since operation began.
- VIII. Stack / Vent Restrictions – NA
- IX. Other Requirements – NA

EMISSION REPORT REVIEW

The facility began operating in 2023 and has not yet submitted an emission report.

FINAL COMPLIANCE DETERMINATION

Unifirst appears to be operating in compliance with all state and federal regulations, as well as all permit conditions.

NAME _____

DATE _____

SUPERVISOR _____