

**HAZARDOUS WASTE SECTION - COMPLIANCE BRANCH  
FILE TRANSMITTAL & DATA ENTRY FORM**

**Your Name:** Heather Goldman

**Facility ID Number:** NCD991278623

**Facility Name:** City of Charlotte Police & Fire Training Academy

**Document Group:** Inspection/Investigation (I)

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**Author(s) of Document:** Heather Goldman

**Inspector ID #:** NC111

**Suborganization:** Western Region

**County (if not on report):** Mecklenburg

**STATE OF NORTH CAROLINA  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
DIVISION OF WASTE MANAGEMENT  
HAZARDOUS WASTE SECTION**

**TREATMENT, STORAGE, AND DISPOSAL FACILITY (TSDF)  
COMPLIANCE EVALUATION INSPECTION (CEI) REPORT**

**1. FACILITY INFORMATION:**

Name:	City of Charlotte Police & Fire Training Academy
EPA ID Number:	NCD 991 278 623
Type of Facility:	Treatment, Storage, and Disposal Facility (TSDF)
Facility Location:	Mecklenburg County, NC
Facility Address:	1770 Shopton Road, Charlotte, NC 28210
Telephone Number:	704-432-5212
County:	Mecklenburg

**2. AUTHOR OF REPORT:** Heather Goldman, Environmental Senior Specialist, NCDENR

980-224-9858 [heather.goldman@ncdenr.gov](mailto:heather.goldman@ncdenr.gov)

**3. Date of Report:** June 12, 2016

**4. FACILITY CONTACT:** Doug Pierotti/ Engineer; City of Charlotte  
Office: 704-432-5212

**5. SURVEY PARTICIPANTS:** Doug Pierotti – City of Charlotte; Heather Goldman – NCDNER

**6. DATE OF INSPECTION:** 6/2/2016

**7. DATE OF PREVIOUS INSPECTION:** 6/16/2015

**8. PURPOSE OF EVALUATION:**

An evaluation to determine compliance with regulations described at 40 CFR 261, 262, 265, 268, 273 and 279; and the North Carolina Hazardous Waste Management Rules (Rules).

**9. DESCRIPTION OF FACILITY:** Charlotte Fire Training Academy operates as a training center for Charlotte-Mecklenburg Fire, Police, and Emergency Response personnel. In the past, the facility operated 12 fire pits in which flammable materials were burned to practice fire-fighting procedures. Contamination was discovered in three of the fire pits and around the oil-water separator in the early 90's. The contamination affected both soil and groundwater at the facility.

On January 15, 2004 the facility's Post Closure Plan was submitted to the state and subsequently approved on March 4, 2004. The Post Closure Plan called for the excavation of the contaminated soil in the fire pit and oil-water separator areas, as well as continued groundwater and surface water sampling.

Between March 11 and April 8, 2006, approximately 7,300-tons of contaminated soil was excavated from the facility. The soil was analyzed before shipment and shipped as non-hazardous waste. The soil was sent to a landfill at the Charlotte Motor Speedway for disposal. Following the excavation the pits were back-filled with clean fill dirt and are currently seeded to maintain a vegetative cover.

Along with the excavation, an amendment was added to the deed on the property to designate the former contaminated areas. The notice is a Notice of Closed Hazardous Waste Management Units on the deed of property. It denotes areas formerly used to manage hazardous waste, states that groundwater may not be used, and

also states that closure was performed in accordance with the approved Closure Plan. It should be noted that the soil was cleaned to "unrestricted use" levels.

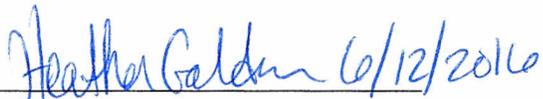
As part of the Revised Post Closure Plan, the facility is monitoring ground and surface water annually. The parameters used to sample are for VOC's and THF's. The current cost estimate for post-closure, including the corrective action, is \$620,171.00 which will expire on September 30, 2016. The facility utilizes a Financial Test to demonstrate financial assurance for post-closure, which includes cost for corrective action.

The facility maintains the following reports on-site:

- Closure Plan (12/6/2002), Soil Closure Report (6/18/2004)
- Post Closure Plan –Revised 12/31/2008- Revised Final Remediation Plan- 6/22/2012
- Annual Groundwater Monitoring Reports 12/28/2015 (sampled 10/29 & 30, 2015)
- Deed Records (7/22/2004)
- Health & Safety Plan 7-16-2002 revised 10/18/2011
- Facility Characterization Plan (5/10/2011)
- Administrative Order (signed 11/22/2010)

Well casings and the fire pits were inspected. The concrete pad that surround MW8A MW10 had been repaired. The facility should keep all concrete pads clear of debris. The following casings appeared to be in good condition and locked (MW's 2, 4, 4A, 4B, 5, 7, 8A, and 10) and the fire pits had a vegetative cover. MW3's concrete base was missing. On June 7, 2016, Mr. Pierotti provided an e-mail confirmation that the concrete base to MW3 is scheduled to be repaired. **The facility must provide a picture of the repaired well, MW3, and confirmation to Ms. Goldman.** MW2 was missing an ID tag. 15 NCAC 02C .0108 (o): Standards of Construction: Wells Other Than Water Supply, requires a well identification tag on the outer protective casing, permanently attached, and legible. On June 7, 2016, the facility provided confirmation by e-mail that the well ID tag had been riveted to the outside of the steel stick-up well vault.

**10. SITE DEFICIENCIES:** None

  
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**INSPECTOR (DATE)**

By E-Mail  
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**FACILITY CONTACT**

cc: Doug Pierotti – City of Charlotte at [dpierotti@ci.charlotte.nc.us](mailto:dpierotti@ci.charlotte.nc.us)  
Sean Morris, Western Unit Compliance Supervisor  
Kathy Lawson, Hydrogeologist  
Central Office Files