

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

**Your Name:** WILLIAM HUNNEKE

**Facility ID Number:** NCD981476955

**Facility Name:** SHORT JOURNEY CENTER

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

**Document Type:** I - Compliance Evaluation Inspection (CEI)

**File Description/Comments:** Annual inspection, well repairs required.

**Date of Document:** 12/2/2015

**Author(s) of Document:** William Hunneke

**Inspector ID #:** NC060

**Suborganization:** Eastern Region

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

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

**COMPLIANCE EVALUATION INSPECTION REPORT**

**FACILITY INFORMATION:**

Facility Name: **SHORT JOURNEY CENTER  
JOHNSTON COUNTY PUBLIC SCHOOLS**

EPA ID Number: **NCD981476955**

Type of Facility: **TSD**

Facility Location: **2323 Cleveland Road, Smithfield, NC 27577**

Facility Coordinates: **35° 32' 00" north latitude / 78° 25' 25" west longitude**

Mailing Address: **PO Box 1336, Smithfield, NC 27577**

Telephone Number: **919-934-2021**

Property Owner: **Johnston County Public Schools**  
Property Owner Address: **601-A W. Market Street, Smithfield, NC 27577**

Legal Owner of Business: **Johnston County Public Schools**

**FACILITY CONTACT:** **Billy Massengill, Director, Facility Services**  
Phone Number: **919-934-2021 office 919-398-2337 mobile**  
Email Address: **billymassengill@johnston.k12.nc.us**

**PARTICIPANTS:** **Sherrill Wilson (Johnston County Public Schools)**  
**William Hunneke (NCDEQ)**

**DATE OF SITE VISIT:** **December 2, 2015** onsite: 1610 hrs. offsite: 1715 hrs.

**PURPOSE OF SITE VISIT:**

Compliance Evaluation Inspection to determine compliance with 40 CFR 262, 265, 268 and with the Post-Closure Corrective Action Plan for the site. The last compliance evaluation inspection was conducted at the site on January 14, 2015.

**FACILITY DESCRIPTION:**

The Johnston County Board of Education operates the Short Journey Center hazardous waste TSD site. The Short Journey Center is a former public school facility (Benson Elementary School) that was operated by the Johnston County Public Schools. The site was purchased by the Catholic Diocese of Raleigh, North Carolina in 1983 for the establishment of the Short Journey School. The Catholic Diocese of Raleigh is listed as the owner of record on the tax map for 2323 Cleveland Road with the School Board listed as owning a small part (.37 acres) of the back side of the property. In early 1982, a gymnasium floor at another school was stripped with a chemical paint stripper. The paint sludge from approximately five 55-gallon drums was poured into two small, unlined pits located behind (to the south of) the former Benson Elementary School and buried.

The sludge and contaminated soil was excavated and transported to the GSX hazardous waste landfill in Pinewood, South Carolina in August, 1986. The excavation was backfilled in accordance with the Resource Conservation and Recovery Act (RCRA) closure plan and closure was completed in December, 1988. Included in the closure activities was the installation of a security fence around the area where the two pits (the hazardous waste management unit) are located. The fence is kept locked and posted with warning signs on all four sides. Access to the area is restricted to protect the integrity of the final cover in accordance with 40 CFR 265.117(c).

Phase I and Phase II ground water assessments of the site were completed in September of 1989 and September of 1990 respectively, which identified a plume of contaminated groundwater containing detectable levels of phenols and volatile organic compounds (VOCs). A groundwater recovery and remediation system was installed and activated in January 1996. In October 2002 the remediation system was turned off. Ground water samples have been collected semi-annually from on and offsite wells and analyzed for VOCs. Two alternative strategies were evaluated to address the groundwater contamination: Hydrogen Release Compound (HRC) injection and natural attenuation. Natural attenuation was chosen. The Post Closure Corrective Action Plan outlines the procedures to be followed for ground water monitoring, inspection, maintenance, and recordkeeping and reporting. The latest iteration of the Post-Closure Corrective Action Plan has stipulated sampling on an annual basis. The Johnston County Schools Director or his designee must inspect the closed hazardous waste management unit semi-annually as described in the Closure Corrective Action Plan.

Four water supply wells are known to be located within the vicinity of the subject site, the nearest of which is a potable water well located approximately 400 feet away from the hazardous waste management unit. Five groundwater monitoring wells are located in immediate down gradient proximity to the hazardous waste management unit. Two of these are nested wells used to measure the hydraulic gradient of the site, one a deep water monitoring well (41.65 feet below grade) and the other a shallow water monitoring (15.4 feet below grade). Per Mr. Massengill, a relic unclosed well had been closed in place a few years back.

**The site does not currently generate any waste streams.**

**No Transporters or Disposal facilities are currently required.**

**Areas of review during the inspection included:**

Administrative Order in Lieu of Post Closure Permit

No discrepancies observed.

Financial test for post-closure information

The facility uses a financial test for post-closure. Post-closure amount is \$35,425.00. The financial test instrument was reviewed and is in compliance. The estimate provides financial assurance for post-closure including corrective action.

Operating record and groundwater monitoring reports

Reviewed the "Annual Groundwater and Surface Water Monitoring Report, Short Journey Center" prepared by AECOM Technical Services, Inc. and dated March, 2015. The last sampling event was conducted on February 25, 2015 by, AECOM Technical Services, Inc. and showed no significant change. The report did state that well pads, caps and locks have been repaired and replaced as needed. While it may be possible that the degradation observed on some of the wells occurred between late February and

the present, it seems unlikely given their present condition. Further discussion and photos are presented under the section titled Site Wells.

Inspection log

A monitoring log of when the cap is inspected is housed onsite. Inspection records were reviewed from January, 2014 through the present. Inspections have been conducted on a quarterly basis or shorter and observed to be in compliance.

Security fence

The condition of the site inside and around the perimeter of the fence was good. There was no obstructive vegetation inside or around the security fence. The fence was secure and warning signs populated all four sides of the security fence.

Site wells

The area around each well was free of undergrowth. MW1 and MW3 were not secure due to compromised security caps (photos included). It is not clear what the status of MW7 is although the condition of the well is an area of concern. There was no evidence of an identity plate on MW1.



MW3 - Cap is compromised and not secure.



MW7



MW7



**MW1 - Cap is compromised and not secure, no identifier observed.**

**SITE DEFICIENCIES:**

- Well MW7 must be repaired or replaced to meet the well construction standards in 15A NCAC 02C .0108 (construction) or 15A NCAC 02C .0112 (well maintenance).
- Repair compromised well security caps at MW1 and MW3 per the standards stipulated in 15A NCAC 02C .0108 (r)(2)
- Ensure all wells are properly labeled with identity plates per the standards stipulated in 15A NCAC 02C .0108 (o)(1-6).

Photographs of the repairs must be sent to the inspector no later than sixty calendar days from receipt of this report.

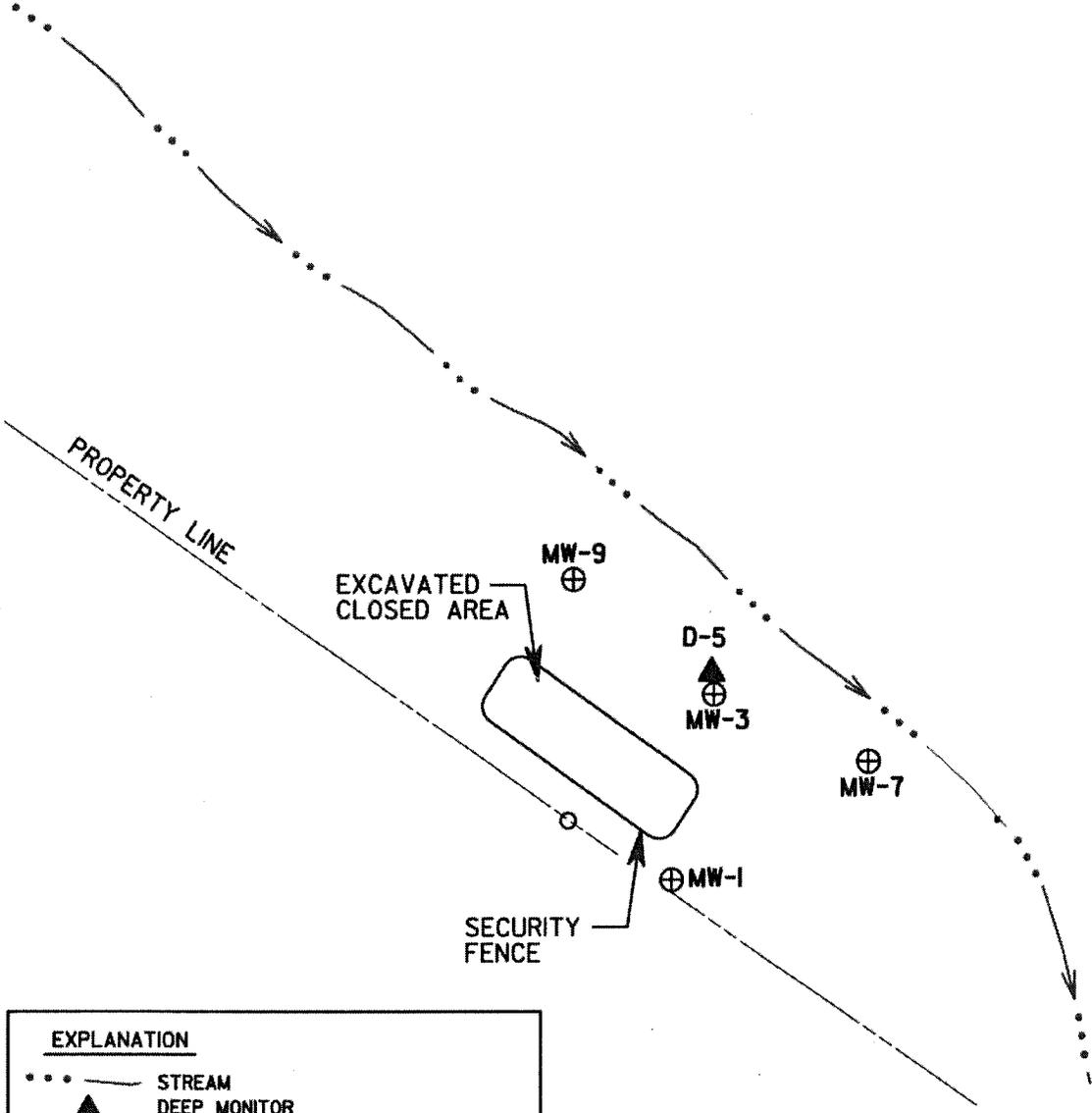
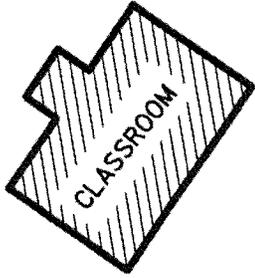
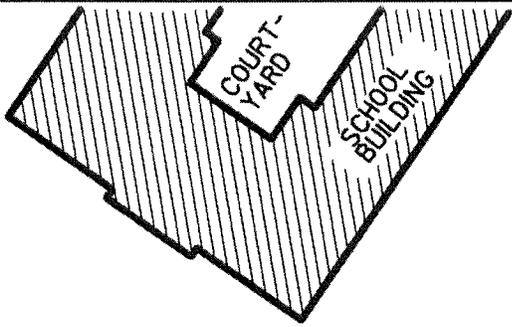
*William F. Hunneke*

William Hunneke  
Environmental Senior Specialist, NCDEQ

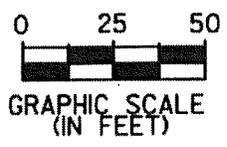
February 29, 2016  
Date

Copy of report provided to facility and to Katherine O'Neal, Permit Writer, NCDEQ

Appendix  
Well Location Map



EXPLANATION	
.....	STREAM
▲	DEEP MONITOR WELL
⊕	SHALLOW MONITOR WELL



AECOM

FIGURE 2  
SITE BASE MAP  
SHORT JOURNEY CENTER- SMITHFIELD, N.C.  
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