



FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:

Lined MSWLF		LCID		YW		Transfer	<input checked="" type="checkbox"/>	Compost		SLAS		COUNTY: Wake PERMIT NO.: 9233T-TRANSFER- FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM		
CDFL		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Site Inspection: July 10, 2013

Date of Last Inspection: April 8, 2013

FACILITY NAME AND ADDRESS:

City of Raleigh/Wake County - Raleigh MSW Transfer Station
 820 Corporation Parkway
 Raleigh, NC 27610

GPS COORDINATES: N: 35.78472 E: -78.56907

FACILITY CONTACT NAME AND PHONE NUMBER:

Frederick Battle, Director - City of Raleigh Solid Waste Services Department
 w. 919-996-6867, c. 919-625-2014, f. 919-831-6632, frederick.battle@raleighnc.gov

Johnny Beal, Wake County Solid Waste Management Division
 (w. 919-518-0272, c. 919-291-7322, jbeal@wakegov.com)

Tommy Smith, General Manager – CEI, East Wake Transfer Station
 (w. 919-212-8080, c. 919-770-4585, f. 919-212-8082, Tommy.Smith@staffordlogistics.com)

FACILITY CONTACT ADDRESS:

Frederick Battle, Director
 City of Raleigh Solid Waste Services Department
 400 West Peace Street
 Raleigh, NC 27602

PARTICIPANTS:

Shawn McKee, NCDENR-Solid Waste Section
 Dennis Shackelford, NCDENR-Solid Waste Section
 Tommy Smith, Custom Ecology Inc. (CEI)
 Johnny Beal, Wake County Solid Waste Management Division

STATUS OF PERMIT:

Permit To Operate (PTO) issued May 29, 2008
 PTO expired May 29, 2013
 Permit currently under review

PURPOSE OF SITE VISIT:

Partial Inspection

STATUS OF PAST NOTED VIOLATIONS:

None.

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
 Phone: 919-707-8200 \ Internet: <http://portal.ncdenr.org/web/wm/>

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OBSERVED VIOLATIONS

15A NCAC 13B .0105 (c) *Vehicles or containers used for the collection and transportation by whatever means, including but not limited to, highway, rail, and navigable waterway, of garbage, or refuse containing garbage, shall be covered, leakproof, durable, and of easily cleanable construction. These shall be cleaned as often as necessary to prevent a nuisance or insect breeding and shall be maintained in good repair.*

Within 30 days of receipt of this Inspection Report or Notice of Deficiency, all transfer trailers need to be inspected to insure that they are leakproof. Additionally, within 30 days, a contingency plan must be developed to address times of inclement weather which results in unusually high precipitation to insure that leachate draining from the waste is contained within the leachate collection system.

The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be advised that pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Laws, Regulations, Conditions of a Permit, or Order under Article 9 of Chapter 130A of the N.C. General Statutes. Further, the facility and/or all responsible parties may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

ADDITIONAL COMMENTS

The facility is a municipal solid waste (MSW) transfer station owned by the City of Raleigh, operated by Wake County. As of July 1, 2013, daily facility management is performed by Custom Ecology Inc. (CEI).

1. The permit expired May 29, 2013. A permit renewal application was submitted to the SWS on January 29, 2013. The permit application is currently under review.
2. The facility has changed its operating hours and is now open Monday through Saturday from 6:00 am to 3:00 pm. **The hours of operation need to be updated on the sign by the entrance to reflect the change in operating hours.**
3. The facility is permitted to receive municipal solid waste (MSW) from Wake County. Waste is transported to South Wake MSW Landfill (92-22) for disposal. The facility receives waste from contract haulers. It does not accept waste from the general public.
4. The following are facility certified personnel:
 - a. Tommy Smith, Certified Transfer Station Operations Specialist, TS-2010071, exp. 8/26/2014

Although CEI has other certified operators that can be called in for backup, it is recommended that more than one person at the facility have the required certification. According to North Carolina General Statute §130A-309.25, only a certified individual can perform the duties of a solid waste management facility operator.

5. The facility receives between 800 and 1,400 tons of MSW a day depending on daily routes and seasonal variations. The facility only receives MSW for disposal. Material is not accepted for recycling or reuse.
6. Waste on the tipping floor was being well managed. A new tipping floor has been poured and angled so that leachate drains towards the loading bay and into the leachate collection drains in the bays. The push walls have also been reinforced. All cracks in the tipping floor and adjacent driveway have been caulked and sealed.

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7. The perimeter walls of the transfer station need to be periodically cleaned of dirt and cobwebs. At the time of the inspection, it appeared that facility staff had begun sweeping behind perimeter walls but had not completed the maintenance.
8. Windblown material was being well managed. Windblown material resulting from the operation is collected and properly disposed of at the conclusion of each day of operation. Riprap adjacent to the front and back of the loading bay is scheduled to be removed and replaced with grass for improved ease of maintenance.
9. The facility has two 100 gpm fire hoses, one on each side of the tipping floor, and several heat detectors and fire extinguishers for fire control. The City of Raleigh fire department will address emergencies.
10. Load-out trailers are owned, operated, and hauled off-site by CEI. Waste received close to the closing time, after the time needed to haul to the South Wake MSW Landfill, is stored onsite until the next business day in transfer trailers. Mr. Smith stated that the facility had recently received new trailers because of the new site operator and that it is his standard operating procedure to inspect the trailers daily. Significant leaking was observed from the transfer trailers during the inspection. **Within 30 days of receipt of this inspection, all transfer trailers need to be inspected to insure that they are leakproof. Additionally, within 30 days, a contingency plan must be developed to address times of inclement weather which results in unusually high precipitation to insure that leachate draining from the waste is contained within the leachate collection system.**



Leachate leaking from transfer trailer



Leachate leaking from transfer trailer

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11. Leachate generated by the facility is piped to the City of Raleigh Neuse River Wastewater Treatment Plant (WWTP). The leachate drains across both bay openings on the west and east side of the facility have been expanded and new grates have been installed. The system now has a grit separator and a flushing system to aid in preventing the system from becoming clogged.



Exit to loading bays (west side)



Entrance to loading bays (east side)

Please contact me if you have any questions or concerns regarding this inspection report.

Shawn McKee
 Environmental Senior Specialist
Regional Representative

Phone: 919-707-8284

Sent on: July 24, 2013		Email: X	Hand delivery		US Mail: X	Certified No. <u>7010 3090 0001</u> <u>4226 0201 and 7010 3090</u> <u>0001 4226 0591</u>
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cc: Ellen Lorscheider, Planning and Programs Branch Head – Solid Waste Section
 Dennis Shackelford, Eastern District Supervisor – Solid Waste Section
 Jessica Montie, Compliance Officer – Solid Waste Section
 John Roberson, PE, Solid Waste Management Director – Wake County