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June 2, 2016

VIA HAND-DELIVERY

Mr. John Roberson, PE  
Solid Waste Management Director  
Solid Waste Management Division  
Wake County  
336 Fayetteville Street, #630  
Raleigh, NC 27601

RE: Shotwell Landfill's Request for Revision to its Franchise for Operation of Construction & Demolition Debris Landfill in Wake County

Dear Mr. Roberson:

Pursuant to recent communications with your office, we are submitting this request on behalf of Shotwell Landfill, Inc. ("Shotwell") that two terms in Shotwell's franchise issued by the County for operation of its construction & demolition debris ("C&D") landfill be revised. The relevant limitations in Shotwell's franchise - regarding the amount of waste it may dispose of, and its service territory, in relation to the significantly more lenient limitations Wake County imposes on Shotwell's three competitors located in the County - have been issues of concern for some time. That disparity has continued to negatively impact Shotwell since it last requested more equitable franchise limitations in 2012. We hope these issues can now be fairly and finally resolved via the amendments to Shotwell's franchise being requested, making that franchise more uniform with the other C&D landfill franchises issued by the County.

Enclosed in support of this request under Tab 1 is a letter from Mr. Doug Gurkins, who is serving as the Chief Restructuring Officer for Shotwell, pursuant to an appointment made by the United States Bankruptcy Court, Eastern District of North Carolina, in Shotwell's recent Chapter 11 reorganization bankruptcy proceeding. Mr. Gurkins states:

Having become familiar with the events and circumstances that preceded Shotwell's bankruptcy, it is my opinion that Shotwell has been sorely handicapped by the tonnage and service territory limits imposed upon it by Wake County. Those limits, which are much lower than those imposed on Shotwell's competitors, may not have directly caused Shotwell to file for bankruptcy. However, those limitations continue to hinder Shotwell's profitability.

Mr. Gurkins urges the County to reconsider those limits, and asks that they be brought in line with the limits imposed by the County on Shotwell's competitors. *See* Tab 1.

Also enclosed are all the materials required under Section 50.22(D) of the County's Code of Ordinances. *See* Tabs 2-8. While not required under that provision, Shotwell recently had a traffic count conducted outside its facility on Smithfield Road. A letter report from Shotwell's traffic engineers at Ramey Kemp & Associates, with the traffic count results, is also enclosed under Tab 9, and discussed below.

#### Requested Amendments to Franchise Limitations

1. Disposal Limit. Shotwell remains under a daily disposal limit set in 2003 of 250 tons per day, annualized (250 x 365) to 91,250 tons. Shotwell suggests a more equitable and appropriate limit, more in line with the limits imposed on its competitors, would be 1,000 tons per day, annualized to 365,000 tons. Such a limit would suffice for Shotwell's current needs and in light of anticipated continued growth in the region over the remainder of Shotwell's current franchise term. Such a limit would still be below the disposal limits set for two of Shotwell's competitors.
2. Service Territory. Shotwell remains under the service territory set in 2006 that it may accept permitted waste from Wake and Johnston counties. Shotwell asks that it be allowed to accept permitted waste from Wake County, all seven counties contiguous to Wake County, and Orange County.

#### Background, and Basis For Request

Shotwell primarily sorts and recycles, and landfills C&D debris- solid waste generated from construction and demolition activities. It is also permitted to accept inert debris (*e.g.*, concrete, brick, uncontaminated soil, rock and gravel), land-clearing debris (*e.g.*, stumps) and asphalt. Contractors and haulers bring C&D debris and other permitted wastes directly to Shotwell. Like virtually all waste companies, Shotwell also utilizes waste transfer stations. C&D debris is transported to the landfill from three transfer stations operated by an affiliate of Shotwell's located in various places in the County. Shotwell has never accepted municipal solid waste, and is not seeking permission to start disposing of any new types of wastes.

Pursuant to its Special Use Permit, Shotwell accepts waste from 7:30 am to 4:00 pm on Monday-Friday. Shotwell is not requesting any expansion of its operations or change in its hours of operation. Nor is Shotwell seeking to expand its footprint in any way.<sup>1</sup>

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<sup>1</sup> The requested franchise amendments, if agreed to, would not trigger any necessary change in Shotwell's special use permit, as confirmed by the enclosed letter from Mr. Steven Finn with County Planning, Development and Inspections. *See* Tab 3.

State law recognizes a local government's interest in solid waste management in its jurisdiction, including the operations of all sanitary landfills. *See* N.C. Gen. Stat. § 153A-136(a)(a county may by ordinance regulate the storage, collection, transportation and disposal of solid waste). State law requires that a landfill operator obtain a franchise from the host local government before applying for the requisite State permit to construct and operate the landfill. *See* N.C. Gen. Stat. § 130A-294(b)(2). It is through the franchise in particular that the host local government may exercise regulatory control over a landfill operation, provided the exercise of that authority is done in a constitutional manner.

Wake County is very unusual in having franchised four active C&D landfills, all of which are privately-owned. Four of the 59 active C&D landfills in North Carolina are in Wake County, according to our research. In contrast, there are collectively only three active C&D landfills in the seven counties surrounding Wake. As discussed below, two of the four C&D landfills located in Wake County are allowed by their franchise to accept wastes from wide service territories of at least 16 counties, while the other two (including Shotwell) are limited to one to two county service territories. The concentration of C&D landfills in Wake is surely a product of the growth experienced in the greater Triangle region, which is expected to continue. Where there is construction and demolition, there is a need for C&D recycling and disposal services.

The fact that there are four C&D landfills in Wake County makes the market for C&D management services very competitive. As noted in a C&D Assessment Report completed for Wake County in 2008, due to the variety of C&D collection systems, transfer/processing plants, and landfills, the marketplace is highly competitive with several alternatives, which keeps C&D disposal costs generally low. *See Final Report- 2008, Wake County, North Carolina C&D Waste Assessment*, Gersham, Brickner & Bratton. That remains true today.

It must be emphasized that the four C&D landfill operators in Wake County are all doing the same thing – accepting C&D debris and related wastes, recycling it to varying degrees, and landfilling the residual. The competitive nature of the marketplace for C&D management services makes it all the more important that Wake County regulate the four C&D landfills in its jurisdiction, via its franchising and ordinance authority, in an even-handed manner. That is not just a matter of good public policy. Long-standing constitutional principles require that persons similarly situated be treated alike in the privileges conferred upon them or liabilities imposed upon them. *Engquist v. Or. Dept. of Agriculture*, 553 U.S. 591, 602, 128 S.Ct. 2146, 2153 (2008). As the U.S. Supreme Court has noted, “Our cases have recognized successful equal protection claims brought by a ‘class of one,’ where the plaintiff alleges that she has been intentionally treated differently from others similarly situated and that there is no rational basis for the difference in treatment.” *Village of Willowbrook, et al. v. Grace Oleach*, 528 U.S. 562, 564, 120 S.Ct. 1073, 1074 (2000).

Because of the disparity in the privileges conferred on Shotwell by the County, compared to those conferred on its three competitors, some adjustment in Shotwell's privileges is warranted, and is frankly necessary as a matter of law. The chart below shows the daily disposal limit and service territory conferred by the County for each of the four C&D landfills:

**Table 1:**

<b>Facility</b>	<b>Daily Disposal Limit, Per County Franchise (tons)</b>	<b>Annualized Disposal Limit<sup>2</sup> (tons)</b>	<b>Counties in Service Area Per County Franchise</b>
Shotwell	250	91,250	2
WCA (Brownfield)	1,100	401,500	16
Red Rock	2,000	730,000	59
Hwy 55 (Greenway Waste)	822	300,030	1

Relative to its competitors, Shotwell has been kept in a "class of one." Shotwell's daily disposal limit is 30.4% of the next lowest limit, imposed on Greenway Waste (Hwy 55 landfill). WCA's Brownfield Road landfill is Shotwell's nearest competitor, both located on the eastern side of the County. Shotwell's daily disposal limit is 22.7% of the limit imposed on the Brownfield Road landfill. There is also a significant disparity in the service territory for Shotwell (and Greenway Waste), compared to the other two landfills.

Having reviewed the history of the Shotwell franchise, it appears that Shotwell has been kept in a "box" as a "local" landfill, while at least two of its competitors, including Shotwell's closest competitor on Brownfield Road, have the privilege of operating as more regional facilities. A regional service territory accounts for the reality that much of the waste stream is now processed at transfer stations before delivery to a landfill.

The original franchise for Shotwell Landfill was issued in 2000. The daily disposal limit was 120 tons per day, and the service territory was just five townships in Wake County. In 2003, the daily disposal limit was raised to 250 tons per day, and has not changed since then.<sup>3</sup> In 2006, the franchise was "re-issued" and the service territory expanded to Wake and Johnston Counties, and has not changed since then. Requests made by Shotwell in 2011 and again in 2012 to make its tonnage and service territories more in line with those allowed for its competitors were rejected.

<sup>2</sup> The annualized disposal limit is the daily limit set by the County x 365 days. This annualized limit is incorporated into the State landfill permit.

<sup>3</sup> This occurred after a request to raise it to 500 tons per day was rejected.



As a consequence, Shotwell is the only one of the four C&D landfill operators that has bumped up against its daily disposal limit (converted to an annual tonnage). Shotwell has also had to address questions about where waste originated that came to Shotwell, given its relatively small permitted service territory, and the fact that, as is now common in the industry, it receives waste from three transfer stations.

Very telling is the following annual disposal (in tons) data reported by the four C&D landfills in the last three years, in relation to the limits placed on each by the County:

**Table 2:**

Facility	Waste Placed <sup>4</sup>		
	FY 2013	FY 2014	FY 2015
Shotwell	91,209.99	85,799.41	84,645
WCA (Brownfield)	85,995.88	95,869.23	130,440.00
Red Rock	60,520.00	93,965.67	97,858.00
Hwy 55 (Greenway Waste)	72,431.00	74,405.25	72,887.40

Over the last three years, all four landfills did relatively the same amount of business. However, only one of them – Shotwell- has the following problem: ***demand for its services exceeds the limit of business it can do prescribed by Wake County.*** Shotwell has met that demand, and at the same time remained in compliance with its annualized disposal limit (of 91,250 tons), by increasing its recycling efforts. While recycling should be encouraged, such encouragement must be done in an even-handed way. Shotwell is the only one put in this position by the limit on its business imposed by the County. The other three landfill operators enjoy a very significant gap between their disposal limits set by the County and the volume of business they have done over these three years. Simply put, that is unfair, and an unnecessary regulatory influence in the marketplace.

The relatively limited privileges conferred on Shotwell, compared to those bestowed to its competitors, is not just an issue of fairness. It has had very direct, negative consequences on Shotwell since it last applied to the County Board for an amendment to its franchise in 2012. We understand Shotwell's relatively limited franchise rights was a factor in its senior lender's decision not to renew its notes owed by Shotwell, which set off a chain of events causing Shotwell to have to file for bankruptcy to re-organize under Chapter 11, which Shotwell has now done.

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<sup>4</sup> Data gathered for the N.C. Department of Environmental Quality. C&D Facility Annual Reports (2013-2015).

Thus, while more uniformity is needed in the franchise limitations the County places upon the four C&D landfills operating in the county, the only operator being negatively impacted by the disparity right now is Shotwell. The disparity can easily be addressed, and these issues finally resolved, by the amendments being requested to Shotwell's franchise.

The request that the daily disposal limit be increased to 1,000 tons per day is based in part on the demand for landfill services Shotwell currently experiences on a relatively high volume day. Shotwell has also accounted for the anticipated continued growth in the region over the remainder of the franchise term that, according to our analysis, ends in 2036.<sup>5</sup> By the year 2030, when six years will remain on Shotwell's current franchise term, Wake County's projected population will be 1,306,388. That represents almost 30% growth from today's population. Johnston County's population is projected to grow at a 32% rate over that period. Many of the other counties in the requested service territory have projected growth over 20% during that period.<sup>6</sup> With this growth in Wake and surrounding counties, there will be increased demolition and land-clearing, and thus, an increase in demands for landfills like Shotwell. This includes an increase in demand from Wake County Public Schools and the City of Raleigh, both of whom are significant users of Shotwell's services.

Shotwell also constricted the requested service territory – to Wake and all contiguous counties plus Orange – because that will suffice to meet the needs of its customer base, and accounts for where wastes is expected to originate that flows through transfer stations before being transported to Shotwell.

The annual waste totals for the four C&D landfills in Wake County, shown in Table 2 above, illustrate another important point. Because of the highly competitive nature of the market, and for other reasons, if Shotwell's request is agreed to by the County, it will not result in an immediate increase in Shotwell's business. Shotwell will not quickly go from disposing of 85,000-90,000 tons per year to anything approaching its requested (annualized) limit of 365,000 tons. It will, however, allow Shotwell to fairly compete going forward and increase its business gradually over time, without being the only one in the marketplace bumping up against a disposal limit.

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<sup>5</sup> The only documentation of the franchise is County Board minutes. They are not a model of clarity regarding when Shotwell's franchise is set to expire. Our best interpretation is the franchise will expire on September 5, 2036. It was last "re-issued" in 2006. *See* County Board Minutes, August 21, 2006 and September 5, 2006. The Board recognized at the time that the useful life of the landfill was 55.8 years, but did not specify a term for the franchise. Absent a specified term, the 30 year time limit for such a franchise prescribed in G.S. 153A-136(3) should apply. This illustrates why we have suggested both parties would benefit from entering into a franchise agreement, which would include the requested amendments. The County should consider doing the same with all of its solid waste franchisees.

<sup>6</sup> All figures from N.C. Office of State Budget and Management (Oct. 8, 2015).

Materials Required under Section 50.22(D) of County Code

See the attached Index listing the materials that are transmitted with this letter, including those required under Section 50.22(D) of the County Code of Ordinances. Shotwell is in compliance with all permits, franchise, ordinances, and rules applicable to its operations. See Tabs 3-5. That includes its Special Use Permit and other permits issued by the County, and its operating permit issued by the North Carolina Department of Environmental Quality, Waste Management Division.

Results of Traffic Count

While not required under the County's Ordinance, Shotwell also is submitting the results of a traffic count conducted outside its facility on Tuesday, March 22, 2016. The results and letter report from traffic engineers at Ramey Kemp & Associates is enclosed under Tab 9. The traffic count was conducted over a 12 hour period, from 6:00 a.m. to 6:00 p.m. So this covered the entire period of Shotwell's operations, from 7:30 a.m. to 4:00 p.m. The count was performed to capture vehicles entering and exiting Shotwell's facility, while also counting the other vehicles on Smithfield Road in the area, on a day when schools were in session.

The traffic count occurred on an unusually high traffic day for Shotwell. Shotwell accepted 849 tons that day. So this traffic count gives a good indication of what the traffic impacts would be if and when Shotwell ever approached that volume of business on a daily basis. Observations of note from that traffic count were:

- 204 vehicles entered/exited the Shotwell facility; 186 of which were trucks (91%);
- During the morning peak hour (7:00 a.m. to 8:00 a.m.), 18 vehicles entered/exited the facility, compared to 627 total vehicles observed on Smithfield Road; and no vehicles entered or exited the facility after 4:30 pm, before the peak afternoon hour (5:00 p.m. to 6:00 p.m.). This makes sense since Shotwell stops accepting wastes at 4:00 p.m. As the traffic engineers note, this reflects Shotwell's traffic primarily occurs in non-peak hours; and
- The facility accounted for 204 of the 4,643 vehicles observed during the study period, or approximately 4% of the total traffic on Smithfield Road at that location.

The traffic engineers conclude:

Based on the observational data, an increase in the daily operations of the Shotwell facility – to something like the volume of waste processed the day of these traffic counts [849 tons] – would not be expected to result in any added delay or congestion to the area

Mr. John Roberson, PE  
June 2, 2016  
Page 8

Poyner Spruill<sup>LLP</sup>

infrastructure. The existing infrastructure accommodates that level of traffic entering and exiting the Shotwell facility.

See Tab 9.

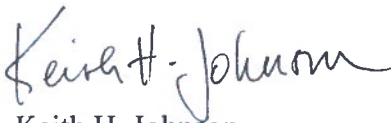
Conclusion

I urge all who review this request to stay focused on the narrow issue at hand, not get side-tracked as past Boards frankly did, and finally address the disparities in privileges conferred by the County via the four C&D landfill franchises it has issued. Doing so as noted is a legal necessity. It will also have the practical effect of minimizing the amount of time devoted in the future by County staff, management and commissioners regarding those franchises and requests for amendments. The glaring disparity in the privileges conferred on private C&D landfill companies, who all do the same thing, is why the issue keeps being raised.

Landfill operations can be very contentious land uses, and Shotwell is no exception. That is why special use permits are required for landfills, which include conditions that must be perpetually complied with that are meant to minimize the impacts of a landfill's operations on neighboring properties. Shotwell is in compliance with not just its special use permit, but also with all the other numerous permits applicable to its operations. Even if that were not the case, however, the County under its applicable ordinances and NC DEQ would have authority to enforce compliance. Keeping Shotwell under significantly more restrictive franchise terms in relation to those imposed on its competitors is not just unfair; it is not a proper means to further "regulate" Shotwell beyond requiring compliance with its special use and operating permits.

We express our gratitude in advance for the consideration given to this situation by yourself, other staff, management and the Commissioners with the County. If you need any further information, please let us know.

With kind regards, I am



Keith H. Johnson

KHJ:kks  
Enclosures

cc: Scott Warren, Esq., Wake County Attorney (via hand-delivery, w/encl.'s)  
Douglas M. Gurkins, Chief Restructuring Officer for Shotwell Landfill, Inc. (w/encl.'s)  
David King, Shotwell Landfill, Inc. (w/encl.'s)

INDEX OF ATTACHMENTS, INCLUDING THOSE REQUIRED UNDER COUNTY CODE  
§ 50.22(D)

- Tab 1 Letter from Douglas M. Gurkins, Chief Restructuring Officer for Shotwell Landfill, Inc., May 10, 2016.
- Tab 2 Information Required Under County Code § 50.22(D)(2)-(4), and G.S. § 130A-294(b1)(2).
- Tab 3 Compliance Letter from Wake County Planning Development and Inspections Division, per County Code § 50.22(D)(5).
- Tab 4 Compliance Letter from Wake County Environmental Services Department, per County Code § 50.22(D)(6).
- Tab 5 Compliance Letter from Division of Waste Management, N.C. DEQ, per County Code § 50.22(D)(7).
- Tab 6 All federal, state, or local notices of violation the C&D landfill has received in the previous five years, per County Code § 50.22(D)(8).
- Tab 7 A copy of all reports from N.C. DEQ inspections during the previous five years, per County Code § 50.22(D)(9).
- Tab 8 A copy of the five most recent reports submitted to N.C. DEQ reporting the total annual tonnage received at the C&D landfill and the geographic origin of the tonnage, per County Code § 50.22(D)(10).
- Tab 9 Ramey Kemp & Associates' Traffic Count Letter Report Re: Shotwell Landfill, April 20, 2016.

Tab 1-

Letter from Douglas M. Gurkins, Chief Restructuring Officer for Shotwell Landfill, Inc.,  
May 10, 2016



Shotwell Landfill, Inc.  
424 Warehouse Drive  
Raleigh, NC 27610

May 10, 2016

Wake County Commissioners  
P.O. Box 550  
Raleigh, NC 27602

Re: Shotwell Landfill

Dear Commissioners:

Shotwell Landfill, Inc. ("Shotwell") operates a construction and demolition debris landfill located on Smithfield Road in eastern Wake County. In 2013, Shotwell petitioned to re-organize its debts under Chapter 11 of the U.S. Bankruptcy Code. Its reorganization plan has been approved. Under an appointment by the Bankruptcy Court, I am serving as Shotwell's Chief Restructuring Officer. It is my responsibility to make sure Shotwell is a profitable company in this community.

Having become familiar with the events and circumstances that preceded Shotwell's bankruptcy, it is my opinion that Shotwell has been sorely handicapped by the tonnage and service territory limits imposed upon it by Wake County. Those limits, which are much lower than those imposed on Shotwell's competitors, may not have directly caused Shotwell to file for bankruptcy. However, those limitations continue to hinder Shotwell's profitability.

I urge you to re-consider those limitations, and ask that they be brought in line with the limits imposed by the County on Shotwell's competitors.

Yours truly,



Douglas M. Gurkins  
Chief Restructuring Officer

cc: Scott Warren, County Attorney  
John Roberson, County Environmental Services  
David King, Shotwell Landfill  
Keith Johnson, Poyner Spruill, LLC

Tab 2-

Information Required Under County Code § 50.22(D)(2)-(4), and G.S. § 130A-294(b1)(2)

Name and address of the applicant and owner of the landfill site:

The name and address of the Applicant is Shotwell Landfill, Inc., 424 Warehouse Drive, Raleigh NC 27610. Shotwell is the owner and operator of the Shotwell C&D Landfill located at 4724 Smithfield Road, Wendell, North Carolina, pursuant to Construction and Demolition Facility Permit (Permit No. 92-26).

Trade name, if any:

Shotwell does not operate under an assumed or fictitious name.

All information required under G.S. 130A-294(b1)(2):

- a. Statement of Population to be served, including a description of the geographic area. The population currently served by the Shotwell landfill pursuant to the existing franchise consists of present and future residents of Wake County (population estimate: 1,005,367) and Johnston County (population estimate: 183,309). **REQUESTED CHANGE:** Shotwell requests that the franchise service area be expanded to also include the current and future residents of Chatham County (population estimate: 69,851), Durham County (population estimate: 297,807), Franklin County (population estimate: 63,848), Granville County (population estimate: 58,280), Harnett County (population estimate: 127,986), Lee County (population estimate: 59,202), and Orange County (population estimate: 141,599). (All population estimates were obtained from the N.C. Office of State Budget and Management, last updated Oct. 8, 2015).
- b. A description of the volume and characteristics of the waste stream.

- i. Characteristics of the waste stream – no change.

Under its current permit, Shotwell is permitted to accept the following types of wastes: C&D solid waste, inert debris, land-clearing debris and asphalt. Shotwell is not seeking permission to accept any additional type of wastes.

- ii. Volume of the waste stream.

Under its current franchise, Shotwell is allowed to dispose of up to 250 tons per day (annualized to 91,250 tons) of permitted wastes. **REQUESTED CHANGE:** Shotwell is requesting an amendment to its franchise to allow it to dispose of up to 1,000 tons per day (annualized to 365,000 tons).

- c. A projection of the useful life of the landfill. Under its current disposal limits, the Shotwell Landfill has a projected life of 50 to 60 years. **PROJECTED CHANGE:** If the amendments to its disposal limit and expansion of its service territory are accepted, it is anticipated that projected useful life of the landfill would be reduced 15 to 25 years.
- d. (Repealed, effective August 2013)
- e. The procedures to be followed for governmental oversight and regulation of fees and rates to be charged for waste generated in Wake County. To Shotwell's knowledge, Wake County does not currently monitor or regulate C&D landfill fee rates because there are multiple franchised C&D landfills in the county.
- f. A facility plan. A copy of the facility plan is attached. There is no proposed change to that plan.



Tab 3-

Compliance Letter from Wake County Planning Development and Inspections Division, per  
County Code §50.22(D)(5)



## Planning, Development & Inspections

TEL (PLANNING) 919 856 6310  
TEL (INSPECTIONS) 919 856 6222

A Division of Community Services  
P.O. Box 550 • Raleigh, NC 27602  
[www.wakegov.com](http://www.wakegov.com)

May 31, 2016

David King  
c/o Shotwell Landfill  
225 Weathers Street  
Suite 111  
Youngsville, NC 27596

RE: Zoning Inspection  
Shotwell Landfill (4724 Smithfield Rd.)

Dear Mr. King:

This letter is in response to your request for a determination of compliance with related zoning conditions and relation to the anticipated franchise expansion. Having reviewed the site plan, related documents and conducting a site visit April 11, 2016, it is determined that the landfill is in compliance with Special Use SU-2059-06. We would acknowledge the plantings added to reinforce the buffer on the north line of site. We would further note a franchise expansion would not require a modification to the SU-2059-06 if the landfill operation will not expand beyond the current property boundaries or activities as presently authorized.

I hope this clarifies any question as to status and related expectations. I can be reached at (919) 856-6228 or by email, [steven.finn@wakegov.com](mailto:steven.finn@wakegov.com) to further discuss as needed.

Respectfully,

  
Steven Finn  
Land Development Administrator

CC: Frank Cope, Community Service Director  
Tim Maloney, Director, Planning, Development & Inspections  
Ken Murphy, Assistant County Attorney  
File



Tab 4-

Compliance Letter from Wake County Environmental Services Department, per County Code  
§ 50.22(D)(6)



## Environmental Services

TEL 919 856 7400  
FAX 919 743 4772

Administration  
336 Fayetteville Street • Raleigh, NC 27602  
www.wakegov.com

May 17, 2016

Shotwell Landfill, Inc.  
3209 Gresham Lake Rd. Suite 115  
Raleigh, NC 27615  
Attn: David King

Subject: SHOTWELL LANDFILL- 4724 Smithfield Road, Wendell  
NC Grading Permits: S1415, S1919 and S2330  
Stormwater Permits: S1416, S1920 and S2331  
Well & Septic Permits: D011951, D54790

Dear Mr. King,

This letter is in response to your request for a compliance history of the Shotwell Landfill as it relates to sediment control, stormwater management and well/septic permitting by Wake County. The site is permitted under the aforementioned permit numbers.

The site has been recently inspected and is in compliance with all applicable regulations and ordinances. Any routine maintenance activities or corrective actions cited in inspection reports have been implemented in a timely manner as required. There is a new septic permit: D54790.

If further assistance or information is needed, please let me know.

Sincerely,  
Michael C. Orbon, P. E.

A handwritten signature in black ink, appearing to read "Michael C. Orbon".

Water Quality Director  
Wake County  
(919) 856-7433

Cc: File  
Joseph Threadcraft, Ph. D., P. E. Environmental Services Manager  
Ken Murphy, Esq, Wake County Attorney's Office  
John Roberson, P. E., Solid Waste Director  
Melinda Clark, Watershed Manager  
Edgar Duke, Jr., R.E.H.S., Wastewater Management Supervisor

Tab 5-

Compliance Letter from Division of Waste Management, N.C. DEQ, per County Code  
§ 50.22(D)(7)



Waste Management  
ENVIRONMENTAL QUALITY

PAT MCCRORY  
*Governor*

DONALD R. VAN DER VAART  
*Secretary*

MICHAEL SCOTT  
*Acting Director*

March 9, 2016

David King  
Shotwell Landfill, Inc.  
3061 Berks Way, Ste 201  
Raleigh, NC 27614

**Via Email**

Re: Permit No. 92-26, for Construction & Demolition Debris Landfill issued to Shotwell Landfill, Inc.

Dear Mr. King:

The above-referenced permit was issued by this Branch within the N.C. Department of Environmental Quality ("DEQ"). At your request, we have reviewed our files, including the most recent reports from inspections of the Shotwell Landfill conducted by DEQ inspectors. I am writing to confirm that, to our knowledge, there are no existing violations of the above-referenced permit, or the statutes or regulations applicable to the Shotwell Landfill, that are enforced by the Solid Waste Section in DEQ.

If there are any questions please don't hesitate to contact us. I may be reached at 919-7-0-8281.

Sincerely,

A handwritten signature in black ink, appearing to read 'E. Mussler'.

Digitally signed by Edward F.  
Mussler III P.E.  
DN: cn=Edward F. Mussler III P.E.,  
o=Division of Waste Management,  
ou=Solid Waste Section,  
email=ed.mussler@ncdenr.gov,  
c=US  
Date: 2016.03.09 13:37:04 -05'00'

Edward F. Mussler, III, P.E. Permitting Branch Supervisor  
Division of Waste Management, Solid Waste Section

Cc: Sarah Rice, DWM

Tab 6-

All federal, state, or local notices of violation the C&D landfill has received in the previous five years, per County Code § 50.22(D)(8)

Shotwell received one Notice of Violation ("NOV") from the N.C. Dept. of Environment and Natural Resources (now Dept. of Environmental Quality) in the last five years. It was issued by the Solid Waste Section, within DENR's Division of Waste Management, on April 16, 2014. A copy of that NOV, and the following correspondence reflecting Shotwell's corrective actions, are all enclosed under this Tab. By letter dated July 10, 2014, the Solid Waste Section at DENR confirmed that all corrective action had been completed. This was also confirmed in an Inspection Report for November 21, 2014.

On December 17, 2012, Shotwell received a letter from County Environmental Services, alleging Shotwell had exceeded its annual franchised tonnage, in violation of its franchise. On January 29, 2013, Shotwell responded indicating it intended to increase recycling efforts in order to comply with its disposal limitations. Copies of this correspondence are also enclosed. Shotwell has remained in compliance with its disposal limit since that time, but is seeking an increase in that limit.



North Carolina Department of Environment and Natural Resources

Pat McCrory  
Governor

John E. Skvarla, III  
Secretary

April 16, 2014

CERTIFIED MAIL 7010 3090 0001 4226 0089  
RETURN RECEIPT REQUESTED

Mr. David W. King, President  
Shotwell Landfill, Inc.  
3209 Gresham Lake Road, Suite 120  
Raleigh, NC 27615

SUBJECT:      **Notice of Violation**  
Compliance Inspection Report  
Shotwell C&D Landfill, Inc.  
9226-CDLF-2001  
Wake County

Dear Mr. King:

On April 4, 2104, Shawn McKee and Jaclynne Drummond, representing the State of North Carolina, Division of Waste Management Solid Waste Section, inspected the above referenced facility for compliance with North Carolina solid waste statutes and rules. Ronnie Postlethwait was present and represented Shotwell C&D Landfill during this inspection. The following violations were noted:

**15A NCAC 13B .0203(d) states:** "By receiving solid waste at a permitted facility, the permittee(s) shall be considered to have accepted the conditions of the permit and shall comply with the conditions of the permit."

**General Permit Condition Number 5 states:** "By initiating construction or receiving waste at this facility the permittee shall be considered to have accepted the terms and conditions of this permit."

**General Permit Condition Number 6 states:** "Construction and operation of this solid waste management facility must be in accordance with the Solid Waste Management Rules, 15A NCAC 13B, Article 9 of the Chapter 130A of the North Carolina General Statutes (NCGS 130A-290, et seq.), the conditions contained in this permit; and the approved plan. Should the approved plan and the rules conflict, the Solid Waste Management Rules shall take precedence unless specifically addressed by permit condition."





**15A NCAC 13B .0542 (a) states:** "The owner or operator of a C&DLF unit must maintain and operate the facility in accordance with the operation plan prepared in accordance with this Rule..."

**15A NCAC 13B .0542 (l) (4) states:** "Leachate must be contained on-site or treated prior to discharge. An NPDES permit may be required prior to the discharge of leachate to surface waters."

**15A NCAC 13B .0542 (l) (5) states:** "C&DLF units must not:

(A) Cause a discharge of pollutants into waters of the United States, including wetlands, that violates any requirements of the Clean Water Act, including the National Pollutant Discharge Elimination System (NPDES) requirements, pursuant to Section 402.

(B) Cause the discharge of a nonpoint source of pollution to waters of the United States, including wetlands, that violates any requirement of an area-wide or State-wide water quality management plan that has been approved under Section 208 or 319 of the Clean Water Act, as amended. "

**Shotwell C&D Landfill is in violation of the above noted rules and permit conditions in that leachate was observed seeping in several locations on the southern slope of the landfill, then flowing into the sediment pond at the base of this area of the landfill. Leachate was also observed flowing from the northwestern slope near the base, then flowing into a ditch for a distance of approximately 60 feet. This ditch leads to the sediment pond adjacent to the southwestern corner of the landfill.**

**15A NCAC 13B .0542 (f) (2) states:** "...areas which will not have additional wastes placed on them for three months or more, but where final termination of disposal operations has not occurred, must be covered and stabilized with vegetative ground cover or other stabilizing material."

**Shotwell C&D Landfill is in violation of the above noted rule in that areas outside the working face have not been provided with adequate soil cover or a ground cover sufficient to restrain erosion.**

**15A NCAC 13B .0542(k)(2) states:** "Adequate sediment control measures consisting of vegetative cover, materials, structures or devices must be utilized to prevent excessive on-site erosion of the C&DLF facility or unit"

**15A NCAC 13B .0542(k)(3) states:** "Provisions for a vegetative ground cover sufficient to restrain erosion must be accomplished as directed by appropriate state or local agency upon completion of any phase of C&DLF development consistent with Rule .0543(c)(5) of this Section."



Shotwell C&D Landfill is in violation of the above noted rule in that soil cover is eroding from the southeastern and northern slopes of the landfill such that waste is being exposed, and leachate seeps are occurring on the southern and northern slopes. Vegetative ground cover sufficient to restrain erosion has not been established on the southeastern and northern slopes of the landfill.

15A NCAC 13B .0543 (c)(2)(A) states: "post-settlement surface slopes must be a minimum of five percent and a maximum of 25 percent;"

Shotwell C&D Landfill is in violation of the above noted rule in that areas of the northern slope are steeper than specified in the approved Facility Operations Plan.

#### COMPLIANCE SCHEDULE

Based upon the foregoing, Shotwell C&D Landfill shall come into compliance by **30 days from the receipt of this NOV** with all requirements of the applicable regulations in General Permit Condition Number 5 and Number 6, 15A NCAC 13B .0203(d), .0542(a), .0542(l)(4), .0542(l)(5), .0542(f)(2), .0542(k)(2), and .0542(k)(3) by completing the following:

1. The provisions for a ground cover sufficient to restrain erosion needs to be provided within 30 days of receipt of this notice of violation. Sparsely vegetated, bare or previously graded areas need to be properly seeded and mulched as a minimum. Please be advised that merely seeding does not meet the requirements of "a ground cover sufficient to restrain erosion". The requirements are not met until areas are properly graded, seeded and mulched with a wheat straw or other approved erosion control measure.
2. The areas of the northern slope were installed at a slope greater than a 3:1. The existing ½ : 1 slope is eroding and cannot be maintained. The slopes need to be pulled back, properly graded and provided with a permanent adequate ground cover. Corrective actions need to be underway within 30 days of receipt of this Notice of Violation to address this previously noted violation.
3. Remove the leachate contaminated soil from below the footprint and the storm water drainage ditch. This soil can be placed on the top of the landfill. Sample the soil and leachate according to the method listed below:
  - Submit a sampling plan for Solid Waste Section review within 30 days and approval prior to conducting the sampling activities. Submit plan to Jaclynne Drummond, 1646 Mail Service Center, Raleigh, NC 27699-1664.



- The sampling plan should include sampling methodology and a figure depicting the sampling locations.
- A summary report (in electronic format) containing the results of the assessment should be submitted to the Solid Waste Section within 30 days of receiving the analytical results from the NC certified laboratory.

#### Soil Sampling

- Guidelines for soil sampling are located at:  
[http://portal.ncdenr.org/c/document\\_library/get\\_file?uuid=d28d4f91-4b6d-4c9dafd9-47c9ee93615f&groupId=38361](http://portal.ncdenr.org/c/document_library/get_file?uuid=d28d4f91-4b6d-4c9dafd9-47c9ee93615f&groupId=38361).
- Conduct subsurface soil sampling to evaluate the extent of the potential environmental impacts from the release(s) at the facility. Discrete soil samples should be collected between one to two feet below ground surface. Composite soil samples will not be accepted. A background subsurface soil sample should also be collected.
- Analyze subsurface soil samples for the Appendix I of 40 CFR Part 258 list of constituents consisting of both VOCs and metals. Please also analyze for pH.
- The results should be compared to the Preliminary Soil Remediation Goal Table. Both the health based and the protection of groundwater soil goals must be met. The table is located at [http://portal.ncdenr.org/c/document\\_library/get\\_file?uuid=5539ecfb-739f-4345-9459-b514508135f1&groupId=38361](http://portal.ncdenr.org/c/document_library/get_file?uuid=5539ecfb-739f-4345-9459-b514508135f1&groupId=38361).

Shotwell C&D Landfill shall provide a written certification with supporting documentation on company letterhead confirming the noted compliance schedule has been completed. Include in this certification any actions taken to prevent these deficiencies from occurring in the future. Mail this certification to Shawn McKee, NC Department of Environment and Natural Resources, Division of Waste Management - Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646 by the noted compliance date.

Failure to comply with this schedule may subject the facility and/or all responsible parties 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. Pursuant to N.C.G.S. 130A-22(a) and 15A NCAC 13B .0701-.0707, an administrative penalty of up to \$15,000.00 per day may be assessed for each violation of the Solid Waste Laws, Regulations, Conditions of a Permit, or an Order issued under Article 9 of Chapter 130A of the N.C. General Statutes.



If you have any questions please contact me at 919-707-8284 or e-mail [shawn.mckee@ncdenr.gov](mailto:shawn.mckee@ncdenr.gov).

Sincerely,

Shawn McKee  
Environmental Senior Specialist  
Solid Waste Section

Copies: Michael Scott, Section Chief - Solid Waste Section  
Ellen Lorscheider, Planning and Programs Branch Head - Solid Waste Section  
Dennis Shackelford, Eastern District Supervisor - Solid Waste Section  
Pat Backus, Permitting Engineer - Solid Waste Section  
Jaclynne Drummond, Compliance Hydrogeologist - Solid Waste Section  
Jessica Montie, Compliance Officer - Solid Waste Section

May 2, 2014

Ms. Shawn McKee  
Environmental Senior Specialist  
Solid Waste Section  
North Carolina Department of Environment and Natural Resources  
Division of Waste Management  
Solid Waste Section  
1646 Mail Service Center  
Raleigh, North Carolina 27699-1646

RE: Shotwell C&D Landfill  
Response to Compliance Inspection Letter dated 04-16-14

Ms. McKee:

As you are aware, the Shotwell Landfill, Inc. facility received a compliance inspection report dated April 16, 2014 where responses to three compliance items were required. Garrett & Moore, Inc. (G&M) is pleased to submit this letter on behalf of Shotwell Landfill, Inc. Shotwell Landfill, Inc. responses to each compliance item are provided in **BOLD** letters.

Compliance Item #1 – Sufficient Ground Cover

The provisions for a ground cover sufficient to restrain erosion needs to be provided within 30 days of receipt of this notice of violation. Sparsely vegetated, bare or previously graded areas need to be properly seeded and mulched as a minimum. Please be advised that merely seeding does not meet the requirements of "a ground cover sufficient to restrain erosion". The requirements are not meet until areas are properly graded, seeded and mulched with a wheat straw or other approved erosion control measure.

**Shotwell Landfill, Inc. will establish vegetation sufficient to restrain erosion by May 16, 2014.**

Compliance Item #2 - Slope Greater Than a 3:1

The areas of the northern slope were installed at a slope greater than a 3:1. The existing 1/2:1 slope is eroding and cannot be maintained. The slopes need to be pulled back, properly graded and provided with a permanent adequate ground cover. Corrective actions need to be underway within 30 days of receipt of this Notice of Violation to address this previously noted violation.

**Shotwell Landfill, Inc. acknowledges the areas of the northern slope were installed to a slope greater than a 3:1. However, Shotwell Landfill, Inc. is of the opinion that pulling back the slopes of the area may not be the best approach to remediate the**

steep slopes. Please note the slopes are temporary and will be corrected in future phase operation. Therefore, Shotwell Landfill, Inc. submitted a proposal entitled "North Slope Remediation Plan" to DENR on February 10, 2014 for consideration which provides a method to establish vegetation sufficient to restrain erosion on the northern slopes in their current configuration. DENR indicated the North Slope Remediation Plan could not be approved unless the plan was included as part of an approved "Permit to Construct Application". Shotwell Landfill, Inc. immediately modified and submitted a revised Permit to Construct Application for Phase 4 dated March 17, 2014 to include the proposed North Slope Remediation Plan.

Shotwell Landfill, Inc. will establish vegetation sufficient to restrain erosion on the northern slopes (at their current slope) by May 15, 2014 unless DENR provides written notification this method is not acceptable within five (5) business day of receipt of this letter.

Item # 3 - Leachate Contaminated Soil

- 3A Remove the leachate contaminated soil from below the footprint and the storm water drainage ditch.

**Landfill personnel removed soils from below the footprint and the storm water drainage ditch and placed this soil on the working face of the landfill.**

- 3B Submit a sampling plan for Solid Waste Section review within 30 days and approval prior to conducting the sampling activities. Submit plan to Jaclynne Drummond, 1646 Mail Service Center, Raleigh, NC 27699-1664.

**A sampling plan addressed to Jaclynne Drummond is submitted as an attachment to this letter.**

- 3C A summary report (in electronic format) containing the results of the assessment should be submitted to the Solid Waste Section within 30 days of receiving the analytical results from the NC certified laboratory.

**A summary report containing the results of the assessment will be submitted to the Solid Waste Section within 30 days of receiving the analytical results from the NC certified laboratory.**



Ms. Shawn McKee  
May 2, 2014  
Page 3

If you have any questions or require additional information, please contact me at (919) 792 1901 or by email at [vmoores@garrett-moore.com](mailto:vmoores@garrett-moore.com).

Sincerely,

GARRETT & MOORE, INC.

A handwritten signature in dark ink, appearing to read 'V. Moore', is positioned above the printed name.

Vance F. Moore, P.E.

President

cc: David King, Shotwell Landfill, Inc.

May 2, 2014

Ms. Jaclynne Drummond  
Hydrogeologist  
North Carolina Department of Environment and Natural Resources  
Division of Waste Management  
Solid Waste Section  
1646 Mail Service Center  
Raleigh, North Carolina 27699-1646

RE: Shotwell C&D Landfill  
Sampling Plan for Leachate Seeps

Ms. Drummond:

As you are aware, the Shotwell Landfill, Inc. facility received a compliance inspection report dated April 16, 2014 where a sampling plan is required to be submitted to you within 30 days of the inspection report. Garrett & Moore, Inc. (G&M) is pleased to submit this sampling plan on behalf of Shotwell Landfill, Inc.

G&M will collect one (1) background soil sample and five (5) soil sample test at a depth of approximately 1 to 2 feet below grade for this investigation as shown on Figure 1. Specifically:

- Soil Sample #1 is located away from the seep area and will serve as the background soil sample;
- Soil Sample #2 is located in the ditch adjacent to the north slope; and,
- Soil Samples #3 - #6 are located at the bottom of the sedimentation basins.

These samples will be submitted to a NC certified laboratory for Appendix I of 40 CFR Part 258 list of constituents consisting of both VOCs and metals as well as pH.

The results should be compared to the Preliminary Soil Remediation Goal Table. It is understood both the health based and the protection of groundwater soil goals must be met. A summary report containing the results of the assessment will be submitted to the Solid Waste Section within 30 days of receiving the analytical results from the NC certified laboratory.

Shotwell Landfill, Inc. is prepared to implement the sampling plan immediately upon approval.

Ms Jaclynne Drummond  
May 2, 2014  
Page 2

If you have any questions or require additional information, please contact me at (919) 792 1901 or by email at [vmoores@garrett-moore.com](mailto:vmoores@garrett-moore.com).

Sincerely,  
GARRETT & MOORE, INC.

A handwritten signature in dark ink, appearing to read 'V. Moore', is written over a faint, dotted line.

Vance F. Moore, P.E.  
President

cc: Shawn McKee, NCDENR  
David King, Shotwell Landfill, Inc.





North Carolina Department of Environment and Natural Resources

Pat McCrory  
Governor

John E. Skvarla, III  
Secretary

May 5, 2014

Sent Via Email – dking@debrisrp.com

Mr. David King  
Shotwell Landfill, Inc.  
225 Weathers Street  
Youngsville, NC 27596

Re: *Sampling Plan for Leachate Seeps*  
Shotwell C&D Landfill  
Solid Waste Permit Number 92-26  
DIN 20952

Dear Mr. King:

The Solid Waste Section has completed a review of the *Sampling Plan for Leachate Seeps* dated May 2, 2014 (DIN 20951) submitted by Garrett & Moore, Inc. on behalf of Shotwell Landfill, Inc. for Solid Waste Section Permit Number 92-26. The *Sampling Plan for Leachate Seeps* was submitted in response to the Notice of Violation issued on April 16, 2014. Within the Notice of Violation, Shotwell Landfill, Inc. is required to submit a plan for review and approval to the Solid Waste Section that details a proposed soil assessment for the areas potentially impacted by the leachate seeps.

The *Sampling Plan for Leachate Seeps* includes subsurface soil sampling at specific locations. Five subsurface soil samples and one background subsurface soil sample will be collected. The baseline sample will be collected to characterize the native soils and baseline concentrations at the facility. The subsurface soil samples will be analyzed for Appendix I of 40 CFR 258 (Volatile Organic Compounds and Metals) and pH.

As a result, the *Sampling Plan for Leachate Seeps* is approved as described. Please implement the approved plan within seven days of receipt of this letter, and please also submit the results of the soil sampling event within 30 days of receiving the analytical results from the NC certified laboratory.

If you have any questions or concerns regarding this letter, please feel free to contact me at 919-707-8294 or by email at [jaclynne.drummond@ncdenr.gov](mailto:jaclynne.drummond@ncdenr.gov). Thank you for your continued cooperation with this matter.

Sincerely,

Jaclynne Drummond, Compliance Hydrogeologist  
Solid Waste Section, Division of Waste Management  
NCDENR

Digitally signed by Jaclynne Drummond  
DN: cn=Jaclynne Drummond, o=NC Division of Waste  
Management, ou=NC Solid Waste Section,  
email=jaclynne.drummond@ncdenr.gov, c=US  
Date: 2014.05.05 11:37:56 -04'00'

cc sent via email:

Dennis Shackelford, Eastern District Supervisor  
Shawn McKee, Environmental Senior Specialist  
Pat Backus, Permitting Engineer  
Vance Moore, Garrett & Moore, Inc.





North Carolina Department of Environment and Natural Resources

Pat McCrory  
Governor

John E. Skvarla, III  
Secretary

May 9, 2014

Mr. David King  
Shotwell Landfill, Inc.  
3209 Gresham Lake Road, Suite 115  
Raleigh, NC 27615

Subject: Compliance Inspection Letter dated 04-16-14  
Shotwell C&D Landfill, Permit No. 9226-CDLF-2001, Wake County

Dear Mr. King:

Correspondence dated May 2, 2014 in response to the Notice of Violation (NOV) issued April 16, 2014 was submitted on your behalf by Garrett & Moore and was received by the Solid Waste Section via electronic mail. In this correspondence, a request is made for a written response regarding the area of the slopes on the north side of the landfill which are in excess of 3:1.

"Compliance item #2" in the correspondence relates to this issue of the steepness of the area of the northern slope currently exceeding a 3:1 slope. At the current grade of that area (approximately ½:1, maintenance and erosion control is an unaddressed compliance issue. The information submitted to the Section to date does not address how this area can be returned to compliance without returning the slopes to their permitted steepness of 3:1. Additionally, although the future footprint of the landfill may include this area, it is not within the currently permitted footprint nor is it within the footprint included in the application presently under review by the Section. The timeframe therefore during which this area would be included within the landfill footprint is not determined.

Based on the current permit and the pending Notice of Violation, you are strongly encouraged to return the slopes to a 3:1 grade within the specified timeframe.

If you have any questions please contact me at 919-707-8284 or e-mail [shawn.mckee@ncdenr.gov](mailto:shawn.mckee@ncdenr.gov).

Sincerely,

Shawn McKee  
Environmental Senior Specialist  
Division of Waste Management, Solid Waste Section

Copies: Michael Scott, Section Chief - Solid Waste Section  
Ellen Lorscheider, Planning and Programs Branch Head - Solid Waste Section  
Dennis Shackelford, Eastern District Supervisor - Solid Waste Section  
Pat Backus, Permitting Engineer - Solid Waste Section  
Jaclynne Drummond, Compliance Hydrogeologist - Solid Waste Section  
Jessica Montie, Compliance Officer - Solid Waste Section  
Vance F. Moore, P.E., President, Garrett & Moore, Inc.

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

An Equal Opportunity \ Affirmative Action Employer - Made in part by recycled paper



June 23, 2014

Ms. Jaclynne Drummond  
Hydrogeologist  
North Carolina Department of Environment and Natural Resources  
Division of Waste Management  
Solid Waste Section  
1646 Mail Service Center  
Raleigh, North Carolina 27699-1646

RE: Shotwell C&D Landfill  
Soil Sampling Results

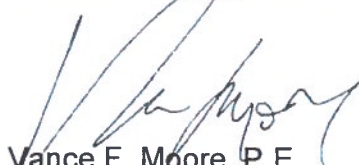
Ms. Drummond:

In accordance with the *Sampling Plan for Leachate Seeps* dated May 2, 2014 (DIN 20951) and approved by NCDENR on May 5, 2014 (DIN 20952), Shotwell Landfill, Inc. has completed the required soil sampling program.

Soil samples were taken on May 9, 2014, and subsequent laboratory data was received on May 23, 2014. A summary of detected constituents is presented in Table 1, with the full laboratory report included as an attachment to this letter.

If you have any questions or require additional information, please contact me at (919) 792 1901 or by email at [vmoores@garrett-moore.com](mailto:vmoores@garrett-moore.com).

Sincerely,  
GARRETT & MOORE, INC.



Vance F. Moore, P.E.  
President

cc: Shawn McKee, NCDENR  
David King, Shotwell Landfill, Inc.



Table 1  
Detection Summary

PARAMETER	SS-1 BACKGROUND RESULT QUALIFIER	SS-2 RESULT QUALIFIER	SS-3 RESULT QUALIFIER	SS-4 RESULT QUALIFIER	SS-5 RESULT QUALIFIER	SS-6 RESULT QUALIFIER	HEALTH-BASED GOAL*	PROTECTION OF GROUNDWATER GOAL*	UNITS
Acetone	0.002 J	0.021 J	ND	ND	ND	ND	100000	24	mg/kg
Antimony Total	0.351 J	6.68 D	3.11 J	1.96 J	1.84 JD	1.92 J	82	0.9	mg/kg
Arsenic Total	0.513 JB	3.65 BDJ	1.60 BJ	1.35 BJ	3.33 BDJ	0.551 JB	2.4	5.8	mg/kg
Barium Total	12.4 J	89.8 DJ	38.7 J	34.3 J	49.1 DJ	24.0 J	38000	580	mg/kg
Beryllium Total	0.110 J	0.521 DJ	0.261 J	0.239 J	0.768 DJ	0.150 J	400	63	mg/kg
Cadmium Total	ND	0.0669 JD	0.0334 J		0.0726 JD	0.0381 J	130	3	mg/kg
Chromium Total	1.61 J	15.8 D	7.26 J	7.04 J	7.39 DJ	4.01 J	5.6	3.8	mg/kg
Cobalt Total	0.339 J	6.36 DJ	4.60 J	3.40 J	2.91 JD	1.47 J	60	0.9	mg/kg
Copper Total	1.05 J	22.2 D	10.0	8.27 J	12.0 D	5.18 J	8200	700	mg/kg
Lead Total	7.71 J	18.0 D	14.6	8.67 J	13.7 D	3.34 J	800	270	mg/kg
Nickel Total	0.686 J	7.13 JD	2.92 J	4.08 J	3.47 JD	2.36 J	4000	130	mg/kg
Selenium Total	0.304 JB	1.90 JBD	0.526 JB	0.467 JB	ND	0.310 JB	1000	2.1	mg/kg
Silver Total	ND	ND	0.176 J	0.371 J	ND	ND	1300	3.4	mg/kg
Thallium Total	ND	3.59 DJ	0.986 J	ND	0.847 JD	1.11 J	2	0.28	mg/kg
Vanadium Total	4.57 J	49.2 D	21.5 J	24.0 J	28.6 D	10.0 J	1000	6	mg/kg
Zinc Total	4.09 J	61.9 D	29.5	18.7	30.1 D	13.9	62000	1200	mg/kg
pH	4.8	6.5	7.3	6.4	4.7	5.9			

\*Industrial health-based goal and protection of groundwater goal from "Inactive Hazardous Site Branch, Preliminary Soil Remediation Goals (PSRG) Table," January 2014



North Carolina Department of Environment and Natural Resources

Pat McCrory  
Governor

John E. Skvarla, III  
Secretary

July 10, 2014

Sent Via Email – dking@debrisrp.com

Mr. David King  
Shotwell Landfill, Inc.  
225 Weathers Street  
Youngsville, NC 27596

Re: *Soil Sampling Results*  
Shotwell C&D Landfill  
Wake County  
Solid Waste Permit Number 92-26  
DIN 21389

Dear Mr. King:

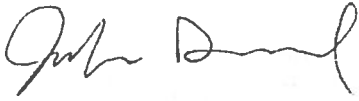
The Solid Waste Section has completed a review of the *Soil Sampling Results* dated June 23, 2014 (DIN 21324) and submitted by Garrett & Moore, Inc. on behalf of Shotwell Landfill, Inc. for Solid Waste Section Permit Number 92-26. The *Soil Sampling Results* were submitted in response to the Notice of Violation issued on April 16, 2014. Within the Notice of Violation, Shotwell Landfill, Inc. was required to submit a plan for review and approval to the Solid Waste Section that details a proposed soil assessment for the areas potentially impacted by the leachate seeps. The Solid Waste Section approved the sampling plan on May 5, 2014 (DIN 20952).

Subsurface soil sampling was conducted on May 9, 2014 to evaluate the extent of the potential environmental impacts from the releases at the facility. A background subsurface soil sample and five subsurface soil samples from the potentially impacted areas were collected. The samples were analyzed by a NC certified laboratory.

The analytical soil results indicated that no volatile organic compounds exceeded the Preliminary Soil Remediation Goals. However, several metals were detected above their Preliminary Soil Remediation Goals for the Protection of Groundwater *and* the Residential Health Based in all soil samples collected including the background soil sample.

As a result, based upon the soil assessment conducted, no additional environmental assessment associated with these leachate releases is required at this time. If you have any questions or concerns regarding this letter, please feel free to contact me at either 919-707-8294 or by email at [jaclynne.drummond@ncdenr.gov](mailto:jaclynne.drummond@ncdenr.gov).

Sincerely,



Digitally signed by Jaclynne Drummond  
DN: cn=Jaclynne Drummond, o=NC Division of Waste Management,  
ou=NC Solid Waste Section,  
email=jaclynne.drummond@ncdenr.gov, c=US  
Date: 2014.07.10 10:28:18 -04'00'

Jaclynne Drummond  
Compliance Hydrogeologist  
Solid Waste Section, Division of Waste Management  
NCDENR

cc sent via email: Dennis Shackelford, Eastern District Supervisor  
Jason Watkins, Field Operations Branch Supervisor  
Shawn McKee, Environmental Senior Specialist  
Pat Backus, Permitting Engineer  
Vance Moore, Garrett & Moore, Inc.



**Environmental  
Services**

TEL 919 856 7400  
FAX 919 743 4772

**Solid Waste Management Division**  
P.O. Box 550 • Raleigh, NC 27602  
[www.wakegov.com/recycling](http://www.wakegov.com/recycling)

December 17, 2012

Shotwell Landfill, Inc.  
3209 Gresham Lake Rd. Suite 115  
Raleigh, NC 27615  
Attn: John Brown

**Subject: SHOTWELL LANDFILL- 4724 Smithfield Road, Wendell;  
FY 2011/12 Annual Report**

Dear Mr. King,

As required by NC DENR, we are in receipt of your annual report regarding tonnages accepted at the Shotwell Landfill during this past fiscal year (attached). It has been noted that Shotwell Landfill exceeded its annual franchised tonnage of 91,250 tons (250 tons per day) by approximately 4,600 tons (13 tons per day or 5%), clearly in violation of your franchise with Wake County. In order to eliminate this from occurring during this current fiscal year or in future years, a plan of action must be put in place in order to ensure future compliance. Please provide Wake County with two documents as follows in order to demonstrate a plan to eliminate future franchise concerns:

- A written plan of action for preventing tonnage overages for FY 2012/13 and beyond, due by February 1, 2013.
- At the end of March (2013), provide Wake County with an update on your annual tonnage status to confirm that progress has been made to avoid an overage in FY 12/13.

A further observation is that the Shotwell Landfill has begun to recycle a fair amount of material on-site and has a pilot program for use of crushed glass for roadbed material through DENR approval. Our only comment on this is to please make sure to follow all federal/state/county requirements in the receipt and processing of these materials as there is keen interest in the ongoing operation of the Shotwell Landfill and its compliance.

If information is needed from me, please let me know.

Sincerely,

A handwritten signature in black ink, appearing to read "John Roberson".

John Roberson, PE  
Solid Waste Management Director

**C&D**State of North Carolina  
Department of Environment and Natural Resources  
Division of Waste Management**CONSTRUCTION & DEMOLITION WASTE  
LANDFILL**

Facility Annual Report

For the period of July 1, 2011-June 30, 2012

According to (G.S. 130A-309.09D(b)) completed forms must be returned by August 1, 2012 and a copy of this report must be sent to the County Manager of each county from which waste was received. If you have questions or require assistance in completing this report, contact your Regional Environmental Senior Specialist.

Facility Name: Shotwell Landfill Inc.Permit: 9226-CDLF-2001ID: P0984

Facility Website (URL): \_\_\_\_\_

Physical Address		Mailing Address	
Street 1: <u>4724 Smithfield Road</u>		Street 1: <u>3209-120 Gresham Lake Road</u>	
Street 2: _____		Street 2: _____	
City: <u>Wendell</u>	County: <u>Wake</u>	City: <u>Raleigh</u>	
State: <u>North Carolina</u>	Zip: <u>27591</u>	State: <u>North Carolina</u>	Zip: <u>27615</u>
Primary Facility Contact Person		Billing Contact Person	
Name: <u>John Brown</u>		Name: <u>Katie Kessing</u>	
Phone: <u>(919) 795-0599</u>	Fax: <u>(919) 876-6203</u>	Phone: <u>(919) 876-8485</u>	Fax: <u>(919) 876-6203</u>
Email: <u>jbrown@debrisrp.com</u>		Email: <u>kkessing@debrisrp.com</u>	

1. Tipping Fee: \$31.50 per Ton (Attach a schedule of tipping fees if appropriate.)2. Does the tip fee above include the \$2.00 Solid Waste Tax? ☒ Yes ☐ No

3. What other activities occur at this facility? (check all that apply)

☒ Recycling/Reuse Collection ☐ Scrap Tire Collection ☐ White Goods Collection ☐ Household Hazardous Waste Collection

If you checked Recycling/Reuse Collection, please indicate the materials accepted and amount collected: (check all that apply and provide tonnages)

<input type="checkbox"/> Paper _____ tons	<input type="checkbox"/> Fluorescent lightbulbs _____ tons	<input type="checkbox"/> Used oil/oil filters _____ tons	<input type="checkbox"/> Steel Cans _____ tons
<input type="checkbox"/> Cardboard _____ tons	<input type="checkbox"/> PETE (#1) Plastic _____ tons	<input type="checkbox"/> Aluminum Cans _____ tons	<input checked="" type="checkbox"/> Other Metal <u>84.49</u> tons
<input checked="" type="checkbox"/> Wood <u>14,428</u> tons	<input type="checkbox"/> HDPE (#2) Plastic _____ tons	<input type="checkbox"/> Computer Equipment _____ tons	<input type="checkbox"/> Televisions _____ tons
<input checked="" type="checkbox"/> Glass <u>3,699.69</u> tons	<input checked="" type="checkbox"/> Concrete/rubble/asphalt <u>7,287</u> tons	<input type="checkbox"/> Gypsum/drywall _____ tons	<input type="checkbox"/> Other Plastic _____ tons
<input type="checkbox"/> Shingles _____ tons	<input checked="" type="checkbox"/> Other (specify) <u>Mixed concrete aggregates 11,956 Tons</u>		

**Airspace (Capacity):** Questions in this section relate to all cells/units of the C&D facility operated under the current 4-digit permit number regardless of whether the cells/units are closed or are not contiguous at the time of this report. Tonnage questions must be based on scale records and cover the period between the opening date and the date of the last survey unless another time period is approved. Airspace measurements include weekly, intermediate and final cover.

4. Date Facility Last Surveyed: May 4, 20125. Airspace Used (cubic yards): 1,105,302.96. Total Tons Disposed in  
Airspace Used (tons): 633,895.83

7. Did your facility stop receiving waste during this past Fiscal Year?

☐ Yes ☒ No

If so, please report the date this occurred: \_\_\_\_\_

8. Total waste landfilled at this facility during the period of July 1, 2011, through June 30, 2012. Indicate tonnage received by COUNTY of waste origin. If waste was received from a transfer station, indicate the COUNTY LOCATION OF THE TRANSFER STATION. Do not include waste diverted for recycling, reuse, mulching, or composting. Please indicate COUNTY and STATE, if received from another state.

[illegible]

Grand Total	95,838.83
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Facility Name: Shotwell Landfill Inc.

Permit: 9226-CDLF-2001

Address: 4724 Smithfield Road

City: Wendell

State: North Carolina

Zip: 27591

Person completing Assessment: Katie L. Kessing

Date:

Phone Number: (919) 876-8485

Fax: (919) 876-6203

Email: kkesing@debrisrp.com

## Instructions:

Please indicate either Yes or No for each Receptor and Post Closure Maintenance question. Then please determine the distance or distances for each Receptor from the *Edge of Waste* (using range finders and/or GIS maps) and type that information into the form. Please attach additional information including GIS maps, lists of potable well locations, etc.

## Receptors

1. Are there Residential Dwellings Within 1,500 feet of the Edge of Waste?

☒ Yes☐ No

If Yes, how many? 4

What are the three closest distances from the *Edge of Waste*? 1070 Feet 1105 Feet 1240 Feet

2. Are there Potable Wells Within 1,500 feet of the Edge of Waste?

☒ Yes☐ No

If Yes, how many? 3 potable &amp; 1 non-potable

What are the three closest distances from the *Edge of Waste*? 1070 Feet 1105 Feet 1240 Feet

3. Are there Community/Municipal Wells Within 1,500 feet of the Edge of Waste?

☐ Yes☒ No

If Yes, how many?

What are the three closest distances from the *Edge of Waste*? Feet Feet Feet

4. Are there Surface Water Bodies Within 1,500 feet of the Edge of Waste?

☒ Yes☐ No

If Yes, how many? 3

What are the three closest distances from the *Edge of Waste*? 110 Feet 265 Feet 1220 Feet

Please list the names of the water bodies:

5. Is Public Water Available Within 1,500 feet of the Edge of Waste?

☐ Yes☒ No

If Yes, how many of the Residential Dwellings noted above are connected?

## Corrective Measures

6. Is there an active methane extraction system (blower, flare, etc.)?

☐ Yes☒ No

7. Is there a passive methane extraction system (trench, vents in cap, flare, etc.)?

☐ Yes☒ No

8. Is there groundwater remediation taking place on site?

☐ Yes☒ No

If Yes, what is the specific remedial technology used?

## Comments

Q3: We are not aware of any community/municipal wells.

Q5: We are not aware of any public water available.



9. Are there SWANA or other certified operator(s) at this facility? ☒ Yes ☐ No

If yes, indicate the following:

Name: <u>Nellie J. Basnett</u>	Certification type and expiration date: <u>SWANA Landfill Operations Specialist - 2/28/15</u>
Name: <u>Terry L. Basnett</u>	Certification type and expiration date: <u>SWANA Landfill Operations Specialist - 2/08/14</u>
Name: _____	Certification type and expiration date: _____
Name: _____	Certification type and expiration date: _____
Name: _____	Certification type and expiration date: _____

10. Comments, suggestions or notes:

Please return your completed report to:

Shawn McKee  
1646 Mail Service Center  
Raleigh, NC 27699-1646  
phone: 919.707.8284 email: Shawn.Mckee@ncdenr.gov

CERTIFICATION: I certify that the information provided is an accurate representation of the activity at this facility.

Signature: Katie Kessing

Digitally signed by Katie Kessing  
DN: cn=Katie Kessing, o=DebrisRP Landfill, Inc., cn=Kessing, email=kessing@debrisrp.com, c=US  
Date: 2012.07.31 11:43:07 -0700

Date: 7/31/2012

Name: Katie L. Kessing

Title: Manager

Phone Number: (919) 876-8485

Email: kkessing@debrisrp.com



SHOTWELL LANDFILL, INC.

January 29, 2013

VIA HAND-DELIVERY

Mr. John Roberson, PE  
Solid Waste Management Director  
Solid Waste Management Division  
Wake County  
P.O. Box 550  
Raleigh, NC 27602

Re: Shotwell Landfill, FY 2011/12 Annual Report

Dear Mr. Roberson:

I am writing in response to your letter dated December 17, 2012.

In your letter, you first requested a written plan for complying with the annual limit (91,250 tons) of solid waste that may be disposed of in the Shotwell landfill pursuant to the franchise terms. The plan for doing so is to increase recycling efforts at the facility. As you know, the facility is franchised and permitted to accept only construction and demolition debris ("C&D debris"). There is a lot we can do to increase the recyclables recovered from that waste stream, and thereby minimize the residual that must be landfilled. Toward that effort, we recently sought and received confirmation from the County's Zoning Administrator that we can install and utilize specially designed material recovery equipment at the facility for this purpose. Currently, recovery of recyclables is done by various pieces of equipment. So the plan is to install that material recovery equipment, and substantially increase the recyclables recovered from the waste stream. In the short term, until that equipment is running, we have increased our labor force and equipment for processing recyclables. We are confident that through these efforts we can easily remain under the annual limit of waste allowed to be disposed of in the landfill.

You requested an update on our annual tonnage status at the end of March 2013, which we will send you.

Your comment on our handling of crushed glass is duly noted.

Please contact me if there are any questions.

Yours truly,

  
David King

Tab 7-

A copy of all reports from N.C. DEQ inspections during the previous five years, per County Code § 50.22(D)(9)



**FACILITY COMPLIANCE AUDIT REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

<b>UNIT TYPE:</b>												
Lined MSWLF		LCD		YW		Transfer		Compost		SLAS		COUNTY: Wake PERMIT NO.: 92-26 FILE TYPE: COMPLIANCE
Closed MSWLF		HRW		White goods		Incin		T&P		FIRM		
CDLF	X	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Audit: March 17, 2011

Date of Last Audit: June 23, 2010

**FACILITY NAME AND ADDRESS:**

Shotwell C&D Landfill, Inc.  
4714 Smithfield Road  
Wendell, NC 27591-8651  
919-556-1182

**GPS COORDINATES:** N: 35.72417 E: 78.4349

**FACILITY CONTACT NAME AND PHONE NUMBER:**

David King, 919-427-4104  
[daviddebris@bellsouth.net](mailto:daviddebris@bellsouth.net)  
[dking@debrisrp.com](mailto:dking@debrisrp.com)

**FACILITY CONTACT ADDRESS:**

David King, President  
Shotwell C&D Landfill, Inc.  
225 Weathers Street  
Youngsville, NC 27596

**AUDIT PARTICIPANTS:**

Chris Marriott, NCDENR-Solid Waste Section  
Nellie Basnett, Shotwell Landfill, Inc. - Scale Operator  
David King, Shotwell Landfill, Inc. - Chief Executive Officer  
John Brown, Shotwell Landfill, Inc. - President

**STATUS OF PERMIT:**

PTC, Original Issue, Phase I	January 10, 2001
PTO, Phase I, Cell 1	April 30, 2001
PTO, Modification	April 12, 2004
PTO, Phase I, additional 1 acre	March 30, 2006
PTC, Phase II	October 16, 2006
PTO, Phase II, Cell 1, 2 acre subcell	November 8, 2006
PTO, Phase II, Cell 1, remaining area	June 19, 2007
PTO, Phase II, Cell 2	July 18, 2008
PTO, Phase II, Cell 3	June 12, 2009
PTC, Phase III and PTO (all prior phases/cells):	October 25, 2010

**PURPOSE OF AUDIT:**

Comprehensive Audit

**FACILITY COMPLIANCE AUDIT REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 2 of 2

**NOTICE OF VIOLATION(S):**

**NOTICE OF VIOLATION(S):**

None

You are hereby 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 Statute or Regulations. For the violation(s) noted here, you 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.

**STATUS OF PAST NOTED VIOLATIONS:**

None

**AREAS OF CONCERN AND COMMENTS:**

- 1) The Permit to Construct Phase 3 will expire October 26, 2015. The Phase 3 is currently under construction and consists of 8.4 acres. Shotwell Landfill, Inc. submitted an application for a permit modification requesting the use of an alternate liner for Phase 3 on February 25, 2011. The application is currently under review by the Solid Waste Section.
- 2) Wake County held a public hearing at the March 21, 2011 Board of Commissioners meeting for the amendment of the franchise agreement for the facility. The amendment requests an increase in the approved daily tonnage, additional counties of waste origination, and an additional day per week (from 5 to 6 days) of operation. A second reading of the amendment is expected to be completed at the April 4, 2011 Board of Commissioners meeting.
- 3) The current Permit to Operate is due to expire on November 11, 2011. Per condition #1 in Part 1 of Attachment 3 of the Permit a permit amendment should be submitted no later than July 11, 2011.
- 4) The facility accepts waste Monday through Friday from 7:30 am until 4:00 pm.
- 5) The facility is permitted to receive waste from Wake and Johnston counties.
- 6) The waste screening records were reviewed. Unacceptable waste is loaded back onto the incoming truck and hauled back to the originating facility. A minimum of 3 loads are screened per week as part of the random waste screening program.
- 7) Waste tonnage records were reviewed. During the month of February the facility accepted between 350-400 tons per day for a total of 8990 tons.
- 8) Groundwater monitoring records were reviewed. The Spring Semi-Annual Groundwater Monitoring Report for 2010 was dated July 29, 2010, for a sampling event that was completed on June 7, 2010. John Brown indicated that the second sampling event for 2010 was in December, the monitoring report has not yet been completed by the contracted engineering firm. Please be sure to keep a copy of all monitoring data on-site at the facility.
- 9) Bottled water is available in the scalehouse for drinking water at the facility meeting the requirement of condition #22 in Part 1 of Attachment 3 in the permit.
- 10) The following people hold certifications at the facility:  
Terry Basnett - Certified Landfill Operations Specialist, expired 2/8/2011-scheduled for a class on 3/26/2011  
Nellie Basnett - Certified Landfill Operations Specialist, expires 2/28/2012
- 11) Edge-of-waste markers have been installed around the edge of the landfill. Please be sure to install new edge of waste markers when the Phase 3 construction is completed.
- 12) The working face was appropriately sized for the expected waste. Soil cover was being applied over a portion of the exposed waste during this inspection.
- 13) Wood processing and mulching is occurring in the area designated on the plan drawings. Please ensure that the measurements for the unprocessed wood pile do not exceed the limits detailed in condition #44, Part 3, Attachment 3 of the Permit.
- 14) According to John Brown, the LCID areas have been inactive and closed for over a year. Please contact the Donna Wilson in the Permitting Branch of SWS to discuss the certification of closure required for LCID Phase 1B in condition #51, Part IV, Attachment 3 of the Permit.

**FACILITY COMPLIANCE AUDIT REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 3 of 3

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

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



Chris Marriott  
Environmental Senior Specialist  
*Regional Representative*

Phone: 336-771-5090

Delivered on : <u>March 29, 2011</u> by		Hand delivery	<input checked="checked" type="checkbox"/>	E-Mail		Certified No. [ ]
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Cc (via email):

Jason Watkins, Central District Supervisor  
Donald Herndon, Compliance Officer  
Donna Wilson, Permit Engineer



# **FACILITY COMPLIANCE INSPECTION REPORT** **Division of Waste Management** **Solid Waste Section**

<b>UNIT TYPE:</b>												
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		COUNTY: WAKE PERMIT NO.: 92-26 FILE TYPE: COMPLIANCE
Closed MSWLF		HRW		White goods		Inciner		T&P		FIRM		
CDLF	X	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Site Inspection: August 10, 2011      Date of Last Inspection: March 17, 2011

**FACILITY NAME AND ADDRESS:**

Shotwell C&D Landfill, Inc.  
 4714 Smithfield Road  
 Wendell, NC 27591-8651  
 919-556-1182

**GPS COORDINATES:** N: 35.72417      E: 78.4349

**FACILITY CONTACT NAME AND PHONE NUMBER:**

David King, 919-427-4104  
[daviddebris@bellsouth.net](mailto:daviddebris@bellsouth.net)  
[dking@debrisrp.com](mailto:dking@debrisrp.com)

**FACILITY CONTACT ADDRESS:**

David King  
 Shotwell Landfill, Inc.  
 225 Weathers Street  
 Youngsville, NC 27596

**AUDIT PARTICIPANTS:**

Jason Watkins, NCDENR-Solid Waste Section  
 Terry Basnett, Shotwell Landfill, Inc.  
 David King, Shotwell Landfill, Inc.  
 John Brown, Shotwell Landfill, Inc.

**STATUS OF PERMIT:**

PTC, Original Issue, Phase I	January 10, 2001
PTO, Phase I, Cell 1	April 30, 2001
PTO, Modification	April 12, 2004
PTO, Phase I, additional 1 acre	March 30, 2006
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PTO, Phase II, Cell 2	July 18, 2008
PTO, Phase II, Cell 3	June 12, 2009
PTC, Phase III and PTO (all prior phases/cells):	October 25, 2010
PTC - Phase 3 amended and PTO (Phase 1-3A):	July 25, 2011

**PURPOSE OF SITE VISIT:**

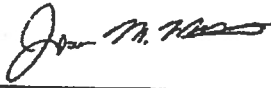
Site visit to investigate complaint received on August 8, 2011. (docID: 14878)

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 3 of 3

7. The entrance signs to the facility need to be updated to include emergency contact information for the facility.
8. The facility accepted large amounts of demolition waste as a result of the April 2011 tornadoes. A large portion of the segregated wood waste from these cleanups remains on-site as unprocessed material. Efforts need to be increased to process and remove the wood material from its current location, preferably off-site for re-use within the next 30 days. This facility, as it did in the April storm event provides a vital need for the Wake County in terms of availability of space and ability to manage large quantities of waste and debris generated from such events. With Hurricane season upon us, it is critical that the material onsite be processed to allow room for future events should it be needed.

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



Phone: 336-771-5092

Jason M. Watkins  
*Regional Representative*

Sent on:	<input checked="" type="checkbox"/>	Email	<input type="checkbox"/>	Hand delivery	<input checked="" type="checkbox"/>	US Mail	<input type="checkbox"/>	Certified No. [ ]
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Copies:

- Shawn McKee, Compliance Officer
- Tommy Esqueda, Wake County Environmental Services
- Michael Scott, Section Chief
- Ellen Lorscheider, Planning and Programs Branch Head
- Donna Wilson, Permitting Engineer



**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

<b>UNIT TYPE:</b>												
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		COUNTY: WAKE PERMIT NO.: 92-26 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incineration		T&P		FIRM		
CDFL	X	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Site Inspection: October 13, 2011 Date of Last Inspection: August 10, 2011

**FACILITY NAME AND ADDRESS:**

Shotwell C&D Landfill, Inc.  
4714 Smithfield Road  
Wendell, NC 27591-8651  
919-556-1182

**GPS COORDINATES:** N: 35.72417 E: 78.4349

**FACILITY CONTACT NAME AND PHONE NUMBER:**

David King, 919-427-4104  
[daviddebris@bellsouth.net](mailto:daviddebris@bellsouth.net)  
[dking@debrisrp.com](mailto:dking@debrisrp.com)

**FACILITY CONTACT ADDRESS:**

David King  
Shotwell Landfill, Inc.  
225 Weathers Street  
Youngsville, NC 27596

**AUDIT PARTICIPANTS:**

Jason Watkins, NCDENR-Solid Waste Section  
Shawn McKee, NCDENR-Solid Waste Section  
David King, Shotwell Landfill, Inc.  
Terry Basnett, Shotwell Landfill, Inc.  
Nellie Basnett, Shotwell Landfill, Inc.

**STATUS OF PERMIT:**

PTC, Original Issue, Phase I	January 10, 2001
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PTO, Phase II, Cell 3	June 12, 2009
PTC, Phase III and PTO (all prior phases/cells):	October 25, 2010
PTC - Phase 3 amended and PTO (Phase 1-3A):	July 25, 2011

**PURPOSE OF SITE VISIT:**

Follow-up inspection related to concerns raised in August 10<sup>th</sup> inspection



**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 2 of 2

**STATUS OF PAST NOTED VIOLATIONS:**

1. 15A NCAC 13B .0542(c)(1) and Attachment 3, Part 1, Condition #6:

*Violation addressed through response submitted to the Section on September 16<sup>th</sup>. (docID: 15257). See additional comments below.*

**OBSERVED VIOLATIONS**

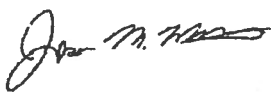
NONE

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**

1. On August 8, 2011, Jason Watkins and Shawn McKee met with David King to go over items addressed in the September 15<sup>th</sup> response letter and to see items implemented on-site.
2. The facility has increased the frequency of waste screenings at the gate/ working face waste placement to approximately 1 per day.
3. On September 16, 2011, the facility received approval from the Division of Air Quality (docID: 15457) to obtain an air curtain burner as a means to reduce the volume of land clearing debris on site from the April tornado event. The facility has segregated all land clearing debris from other wood materials(pallets, EWPs, etc) and has been actively burning. In addition, the facility continues to grind and sell product for boiler fuel.
4. The facility plans to utilize some of the processed clean wood material (non EWP) as mulch in the bufferyard area along Smithfield Road. The facility is working on raising the height of the berm and adding a right turn lane to finalize requirements in the County issued Special Use Permit.
5. The exterior slopes of Phase 2 have been regarded and seeded. Temporary groundcover appeared to be well established with the intent of overseeding some areas with permanent seed in the next few weeks. No windblown material was present on and/or along the Phase 2 area.
6. The working face appeared to be controlled and no unacceptable materials were observed.
7. As noted on site, be careful when cutting excess stockpiled soil away from the edge of Phase 2 to tie in waste in Phase 3, to not allow the vertical cut to expose additional waste that cannot be covered the same day.
8. Waste screening reports were reviewed for the last month since implementation of the increased inspection frequency.
9. Facility staff were walking along Smithfield Road collecting litter and other materials that may have fallen off of trucks, etc.

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



Phone: 336-771-5092

Jason M. Watkins  
Regional Representative



**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

<b>Sent on:</b>	<input checked="checked" type="checkbox"/>	Email	<input type="checkbox"/>	Hand delivery	<input type="checkbox"/>	US Mail	<input type="checkbox"/>	Certified No. <input type="checkbox"/>
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Copies: Shawn McKee, Environmental Senior Specialist  
Matt Roylance, Wake County Environmental Services  
Mark Poindexter, Field Operations Branch Head  
Ellen Lorscheider, Planning and Programs Branch Head  
Donna Wilson, Permitting Engineer



# FACILITY COMPLIANCE INSPECTION REPORT

## Division of Waste Management Solid Waste Section

<b>UNIT TYPE:</b>										
Lined MSWLF		LCID		YW		Transfer		Compost		<b>COUNTY:</b> Wake <b>PERMIT NO.:</b> 9226-CDLF-2001 <b>FILE TYPE:</b> COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P		
CDLF	<b>X</b>	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		

**Date of Site Inspection:** June 19, 2012      **Date of Last Inspection:** October 13, 2011

**FACILITY NAME AND ADDRESS:**

Shotwell C&D Landfill, Inc.  
 4714 Smithfield Road  
 Wendell, NC 27591-8651  
 919-556-1182  
 919-217-0045

**GPS COORDINATES:** N: 35.72417    E: 78.4349

**FACILITY CONTACT NAME AND PHONE NUMBER:**

David King, 919-427-4104  
 dking@debrisrp.com

**FACILITY CONTACT ADDRESS:**

David King  
 Shotwell Landfill, Inc.  
 225 Weathers Street  
 Youngsville, NC 27596

**PARTICIPANTS:**

Shawn McKee, NCDENR-Solid Waste Section  
 Dennis Shackelford, NCDENR-Solid Waste Section  
 Donna Wilson, NCDENR-Solid Waste Section  
 David King, Shotwell Landfill, Inc.  
 Nellie Basnett, Shotwell Landfill, Inc.  
 Rusty Norris, Elm Site Solutions, Inc.  
 Mike Krause, Krause Surveying Associates, Inc.

**STATUS OF PERMIT:**

PTC, Original Issue, Phase I January 10, 2001  
 PTO, Phase I, Cell 1 April 30, 2001  
 PTO, Modification April 12, 2004  
 PTO, Phase I, additional 1 acre March 30, 2006  
 PTC, Phase II October 16, 2006  
 PTO, Phase II, Cell 1, 2 acre subcell November 8, 2006  
 PTO, Phase II, Cell 1, remaining area June 19, 2007  
 PTO, Phase II, Cell 2 July 18, 2008  
 PTO, Phase II, Cell 3 June 12, 2009  
 PTC, Phase III and PTO (all prior phases/cells): October 25, 2010

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 2 of 2

PTC, Phase 3 amended and PTO (Phase 1-3A): July 25, 2011

PTO, Phase 3, Cell B June 15, 2012

**PURPOSE OF SITE VISIT:**

Pre-operations visit for Phase 3, Cell B and comprehensive audit.

**OBSERVED VIOLATIONS**

None.

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.

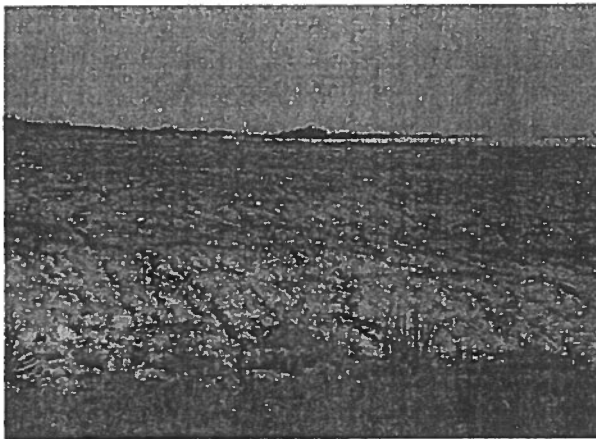
**ADDITIONAL COMMENTS**

1. The Permit to Construct Phase 3 shall expire October 26, 2015. The Permit to Operate Phases 1 & 2, and Phase 3 (Cells A & B) shall expire July 25, 2016. Per condition #1 in Part 1 of Attachment 3 of the Permit a permit amendment should be submitted no later than March 25, 2016.
2. The facility is fenced and is secured by a locking gate when it is not open for operation. The correct signage is at the entrance of the facility listing the facility name, permit number and emergency contact information as well as materials accepted at the facility. The facility accepts waste Monday through Friday from 7:30 am until 4:00 pm.
3. The facility is permitted to receive waste from Wake and Johnston counties.
4. Random waste screening reports were reviewed. Unacceptable waste is loaded back onto the incoming truck and hauled back to the originating facility. One load of waste is screened per day during operations as part of the random waste screening program.
5. Waste tonnage records were reviewed. The facility is currently accepting approximately 400 tons of waste per day. The facility is approved to accept approximately 91,250 tons of C&D waste per year.
6. Groundwater monitoring records were reviewed but reports from the last two sampling events could not be located. A copy of all groundwater and landfill gas monitoring reports and data must be kept onsite at the facility. According to Mr. Norris, the most recent sampling event occurred the week of June 11, 2012.  
Corrective actions need to be underway within 30 days of receipt of this Report.
7. During the inspection, landfill staff stated that landfill gas sampling indicated elevated gas levels in the landfill gas monitoring wells LFG-3 and LFG-4. Relocation of the wells or installation of additional wells may be required to better understand gas migration patterns.

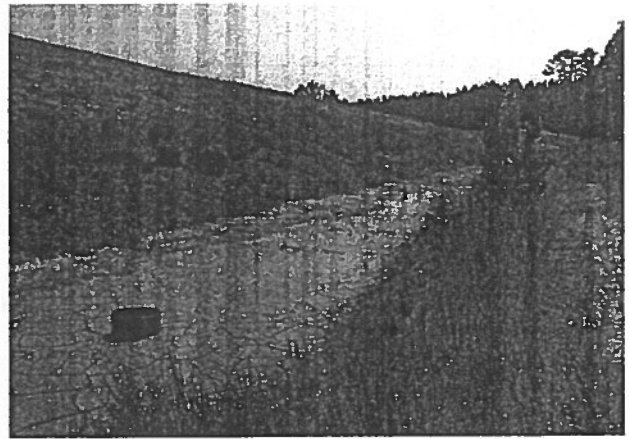
**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 3 of 3

8. The monitoring wells need to be properly identified and protected. MW-4I did not have a lock at the time of the inspection. Facility staff addressed this concern during the inspection.
9. Bottled water is available in the scale house for drinking water at the facility meeting the requirement of condition #22 in Part 1 of Attachment 3 in the permit.
10. The following people hold certifications at the facility:  
Terry Basnett - Certified Landfill Operations Specialist, expires 2/8/2014, LF-2008002  
Nellie Basnett – Certified Landfill Operations Specialist, expires 2/28/2015, LF-2006100
11. Edge-of-waste markers have been installed around the edge of the landfill and around the new edge of Phase 3.
12. The working face was appropriately sized for the expected waste. The log showing the placement of cover material was reviewed during the inspection. All C&DLF units must cover the solid waste with six inches of earthen material when the waste disposal area exceeds one-half acre and at least once weekly.
13. A ground cover sufficient to restrain erosion needs to be provided on all eroding areas of the landfill perimeter slopes and inactive areas. I would recommend staging ground up wood from the Yard Waste Unit in properly sized wind rows, in an approved area shown on your facility site plan, to access later for a soil amendment as the wood decomposes into mulch or top soil. Provisions for a ground cover sufficient to restrain erosion need to be provided with 30 days of receipt of this Report.
14. The sediment basin near the southeastern slope of the landfill needs maintenance. The sediment needs to be removed and the basin restored to plan dimension. Corrective actions are needed within 30 days of receipt of this audit report.



Erosion occurring on southeastern slope



Sediment pond at the toe of the southeastern slope

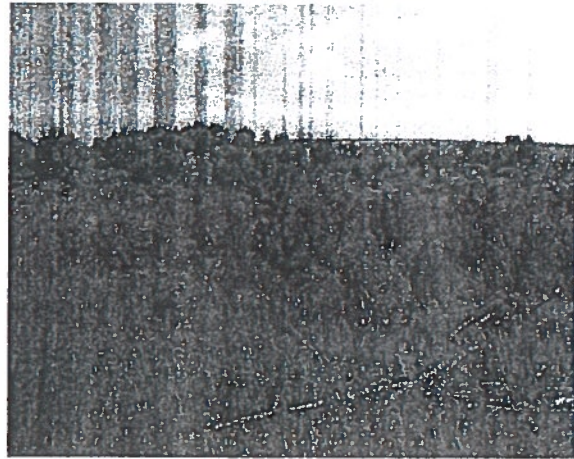
15. There were some large rocks on the side slopes that need to be removed. I would recommend pushing them off of the landfill foot print. Large rocks should be removed from the slopes in order to facilitate future maintenance.



**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 4 of 4

16. The southern slope of the landfill needs mowing. Additionally, bare or sparsely vegetated areas need to be properly graded and seeded, as they are noticed, to prevent excessive erosion or uncovered waste.



17. Wood processing and mulching is occurring in the area designated on the plan drawings. Ensure that positive drainage is maintained at wood waste processing and mulching areas. **Efforts are needed to ensure that the measurements for the unprocessed wood pile do not exceed the limits detailed in condition #44, Part 3, Attachment 3 of the Permit.**
18. Painted or treated wood is not allowed in the yard waste area and needs to be removed as it is noticed or on a daily basis. The clean wood piles need to be free of paint or treated wood within 30 days of the receipt of this report. A sign in this area may be needed to remind customers and facility staff that the yard waste area is for clean wood only.
19. Certification of closure required for LCID Phase 1B was received by the Solid Waste Section on July 21, 2011.
20. Digital photos were taken during the Audit.

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: 7/12/12	<input checked="" type="checkbox"/>	Email	<input type="checkbox"/>	Hand delivery	<input type="checkbox"/>	US Mail	Certified No. <input type="checkbox"/>
------------------	-------------------------------------	-------	--------------------------	---------------	--------------------------	---------	--

Copies: Ellen Lorscheider, Planning and Programs Branch Head - Solid Waste Section  
Dennis Shackelford, Eastern District Supervisor – Solid Waste Section  
Donna Wilson, Permitting Engineer – Solid Waste Section  
Jaclynne Drummond, Compliance Hydrogeologist – Solid Waste Section  
Jessica Montie, Compliance Officer – Solid Waste Section



**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

<b>UNIT TYPE:</b>												
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		COUNTY: Wake PERMIT NO.: 9226-CDLF-2001 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM		
CDLF	X	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

**Date of Site Inspection:** October 31, 2012    **Date of Last Inspection:** June 19, 2012

**FACILITY NAME AND ADDRESS:**

Shotwell C&D Landfill, Inc.  
4714 Smithfield Road  
Wendell, NC 27591-8651  
919-556-1182  
919-217-0045

**GPS COORDINATES:** N: 35.72417    E: -78.4349

**FACILITY CONTACT NAME AND PHONE NUMBER:**

David King  
919-427-4104  
dking@debrisrp.com

John Brown  
919-876-8485  
jbrown@debrisrp.com

**FACILITY CONTACT ADDRESS:**

David King  
Shotwell Landfill, Inc.  
225 Weathers Street  
Youngsville, NC 27596

**PARTICIPANTS:**

Shawn McKee, NCDENR-Solid Waste Section  
Donna Wilson, NCDENR-Solid Waste Section  
Ed Mussler, NCDENR-Solid Waste Section  
John Brown, Shotwell Landfill, Inc.  
Rusty Norris, Elm Site Solutions, Inc.

**STATUS OF PERMIT:**

PTC, Original Issue, Phase I January 10, 2001  
PTO, Phase I, Cell 1 April 30, 2001  
PTO, Modification April 12, 2004  
PTO, Phase I, additional 1 acre March 30, 2006  
PTC, Phase II October 16, 2006  
PTO, Phase II, Cell 1, 2 acre subcell November 8, 2006  
PTO, Phase II, Cell 1, remaining area June 19, 2007  
PTO, Phase II, Cell 2 July 18, 2008

## FACILITY COMPLIANCE INSPECTION REPORT

### Division of Waste Management

### Solid Waste Section

Page 2 of 2

PTO, Phase II, Cell 3 June 12, 2009

PTC, Phase III and PTO (all prior phases/cells): October 25, 2010

PTC, Phase 3 amended and PTO (Phase 1-3A): July 25, 2011

PTO, Phase 3, Cell B June 15, 2012

#### **PURPOSE OF SITE VISIT:**

Pre-operations visit for Phase 3, Cell C and partial inspection.

#### **OBSERVED VIOLATIONS**

None.

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.

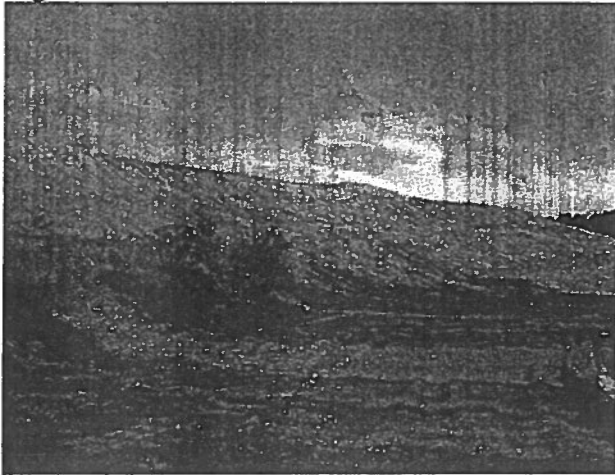
#### **ADDITIONAL COMMENTS**

1. The Permit to Construct Phase 3 shall expire October 26, 2015. The Permit to Operate Phases 1 & 2, and Phase 3 (Cells A & B) shall expire July 25, 2016. Per condition #1 in Part 1 of Attachment 3 of the Permit a permit amendment should be submitted no later than March 25, 2016.
2. The facility is fenced and is secured by a locking gate when it is not open for operation. The correct signage is at the entrance of the facility listing the facility name, permit number and emergency contact information as well as materials accepted at the facility. The facility accepts waste Monday through Friday from 7:30 am until 4:00 pm.
3. The facility is permitted to receive waste from Wake and Johnston counties.
4. Groundwater monitoring records were reviewed. Copies of the last two groundwater and landfill gas monitoring reports and data are being kept onsite at the facility.
5. Edge-of-waste markers have been installed around the edge of the landfill and around the new edge of Phase 3.
6. The working face was appropriately sized for the expected waste. All C&DLF units must cover the solid waste with six inches of earthen material when the waste disposal area exceeds one-half acre and at least once weekly.
7. Ground cover sufficient to restrain erosion needs to be provided on all eroding areas of the landfill perimeter slopes and inactive areas. Side slopes have been reworked and seeded.
8. The sediment basin near the southeastern slope of the landfill has received maintenance. The sediment has been removed and the basin restored to plan dimension.



**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 3 of 3



9. The large rocks on the side slopes have been removed. This will facilitate future maintenance.
10. Wood processing and mulching is occurring in the area designated on the plan drawings. Ensure that positive drainage is maintained at wood waste processing and mulching areas. Continue efforts to ensure that the measurements for the unprocessed wood pile do not exceed the limits detailed in condition #44, Part 3, Attachment 3 of the Permit.
11. Painted or treated wood is not allowed in the yard waste area and needs to be removed as it is noticed or on a daily basis. A sign in this area may be needed to remind customers and facility staff that the yard waste area is for clean wood only.
12. Digital photos were taken during the inspection.

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:		Email:		Hand delivery		US Mail		Certified No. [ ]
December 11, 2012		X						

Copies: Ellen Lorscheider, Planning and Programs Branch Head - Solid Waste Section  
Dennis Shackelford, Eastern District Supervisor – Solid Waste Section  
Ed Mussler, Permitting Branch Head – Solid Waste Section  
Donna Wilson, Permitting Engineer – Solid Waste Section  
Jessica Montie, Compliance Officer – Solid Waste Section



**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

<b>UNIT TYPE:</b>												
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		COUNTY: Wake PERMIT NO.: 9226-CDLF-2001 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incineration		T&P		FIRM		
CDLF	X	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

**Date of Site Inspection:** November 7, 2012 & November 9, 2012    **Date of Last Inspection:** October 31, 2012

**FACILITY NAME AND ADDRESS:**

Shotwell C&D Landfill, Inc.  
4714 Smithfield Road  
Wendell, NC 27591-8651  
919-556-1182  
919-217-0045

**GPS COORDINATES:** N: 35.72417    E: -78.4349

**FACILITY CONTACT NAME AND PHONE NUMBER:**

David King  
919-427-4104  
dking@debrisrp.com

John Brown  
919-876-8485  
jbrown@debrisrp.com

**FACILITY CONTACT ADDRESS:**

David King  
Shotwell Landfill, Inc.  
225 Weathers Street  
Youngsville, NC 27596

**PARTICIPANTS:**

Shawn McKee, NCDENR-Solid Waste Section  
John Brown, Shotwell Landfill, Inc.  
Terry Basnett, Shotwell Landfill, Inc.  
Nellie Basnett, Shotwell Landfill, Inc.

**STATUS OF PERMIT:**

PTC, Original Issue, Phase I January 10, 2001  
PTO, Phase I, Cell 1 April 30, 2001  
PTO, Modification April 12, 2004  
PTO, Phase I, additional 1 acre March 30, 2006  
PTC, Phase II October 16, 2006  
PTO, Phase II, Cell 1, 2 acre subcell November 8, 2006  
PTO, Phase II, Cell 1, remaining area June 19, 2007  
PTO, Phase II, Cell 2 July 18, 2008  
PTO, Phase II, Cell 3 June 12, 2009

## FACILITY COMPLIANCE INSPECTION REPORT

### Division of Waste Management

### Solid Waste Section

Page 2 of 2

PTC, Phase III and PTO (all prior phases/cells): October 25, 2010

PTC, Phase 3 amended and PTO (Phase 1-3A): July 25, 2011

PTO, Phase 3, Cell B June 15, 2012

#### **PURPOSE OF SITE VISIT:**

Site visit to investigate complaint received on November 6, 2012.

#### **OBSERVED VIOLATIONS**

15A NCAC 13B .0542(c)(1) states "a C&DLF must accept only those solid wastes it is permitted to receive ...." and .0542(e)(4) the following wastes must not be disposed of in a C&DLF unit: "Industrial solid waste unless a demonstration has been made and approved by the Division that the landfill meets the requirements of Rule .0503(2)(d)(ii)(A)"

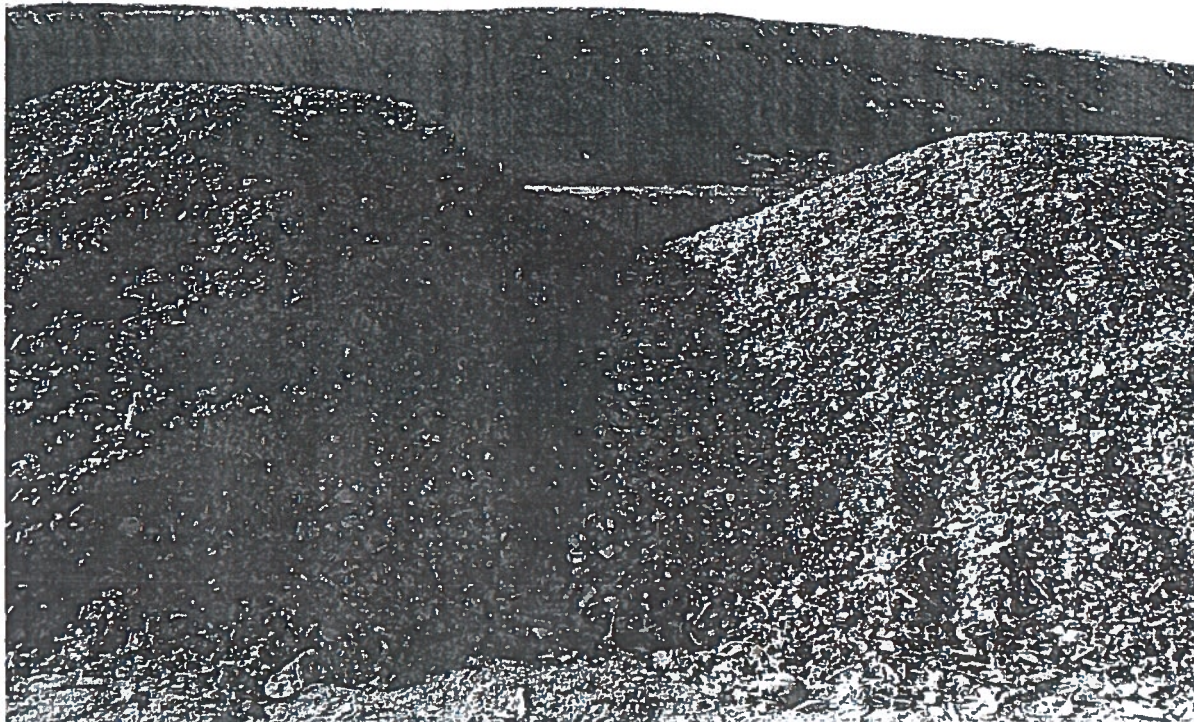
The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be advised that pursuant to N.C.G.S. 130A-22, an administrative 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**

1. On August 5, 2011, Shotwell Landfill had requested a demonstration to "utilize multi-colored glass from a second processed commodity recycler containing a dominions amount of paper labels" as a base material for haul roads. Approval for a demonstration project was issued on September 7, 2011. A final report and request for continued use of the crushed glass for road base material was received by the Solid Waste Section on June 26, 2012.
2. On November 6, 2012, the Solid Waste Section received a complaint about the possible acceptance of non-C&D waste at this facility. The complainant alleged that glass mixed with waste from Strategic Materials which had been stock-piled in Zebulon was being sent directly to the Shotwell Landfill.
3. Based on an inspection of the Morgan Trucking facility in Zebulon, discussions with both the Town of Zebulon and Shotwell Landfill, Inc. staff, it has been determined that non-C&D waste in the form of processed (ground) plastics, paper, and glass, was hauled to and accepted for disposal at this landfill facility. **Corrective action in this matter is required to ensure non- C&D waste material is identified and is not accepted at this facility.**

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 3 of 3



4. Please contact me if you have any questions or concerns regarding this inspection report.
5. Digital photos were taken during the Inspection.

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:		Email:		Hand delivery		US Mail		Certified No. <input type="checkbox"/>
December 11, 2012		X						

Copies: Ellen Lorscheider, Planning and Programs Branch Head - Solid Waste Section  
Dennis Shackelford, Eastern District Supervisor – Solid Waste Section  
Donna Wilson, Permitting Engineer – Solid Waste Section  
Jessica Montie, Compliance Officer – Solid Waste Section  
John Roberson, Wake County Solid Waste Management Director





# FACILITY COMPLIANCE INSPECTION REPORT

## Division of Waste Management Solid Waste Section

<b>UNIT TYPE:</b>										
Lined MSWLF		LCID		YW		Transfer		Compost		<b>COUNTY:</b> Wake <b>PERMIT NO.:</b> 9226-CDLF-2001 <b>FILE TYPE:</b> COMPLIANCE
Closed MSWLF		HHW		White goods		Incineration		T&P		
CDLF	<b>X</b>	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		

**Date of Site Inspection:** January 22, 2013    **Date of Last Inspection:** November 9, 2012

**FACILITY NAME AND ADDRESS:**

Shotwell C&D Landfill, Inc.  
 4714 Smithfield Road  
 Wendell, NC 27591-8651  
 919-556-1182  
 919-217-0045

**GPS COORDINATES:** N: 35.72417    E: -78.4349

**FACILITY CONTACT NAME AND PHONE NUMBER:**

David King	John Brown
919-427-4104	919-876-8485
<a href="mailto:dking@debrisrp.com">dking@debrisrp.com</a>	<a href="mailto:jbrown@debrisrp.com">jbrown@debrisrp.com</a>

**FACILITY CONTACT ADDRESS:**

David King  
 Shotwell Landfill, Inc.  
 225 Weathers Street  
 Youngsville, NC 27596

**PARTICIPANTS:**

Shawn McKee, NCDENR-Solid Waste Section  
 Donna Wilson, NCDENR-Solid Waste Section  
 John Brown, Shotwell Landfill, Inc.  
 Nellie Basnett, Shotwell Landfill, Inc.

**STATUS OF PERMIT:**

PTC, Original Issue, Phase I January 10, 2001  
 PTO, Phase I, Cell 1 April 30, 2001  
 PTO, Modification April 12, 2004  
 PTO, Phase I, additional 1 acre March 30, 2006  
 PTC, Phase II October 16, 2006  
 PTO, Phase II, Cell 1, 2 acre subcell November 8, 2006  
 PTO, Phase II, Cell 1, remaining area June 19, 2007  
 PTO, Phase II, Cell 2 July 18, 2008  
 PTO, Phase II, Cell 3 June 12, 2009  
 PTC, Phase III and PTO (all prior phases/cells): October 25, 2010  
 PTC, Phase 3 amended and PTO (Phase 1-3A): July 25, 2011  
 PTO, Phase 3, Cell B June 15, 2012

**PURPOSE OF SITE VISIT:**

Pre-operations visit for Phase 3, Cell C and partial inspection.

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 2 of 2

**OBSERVED VIOLATIONS**

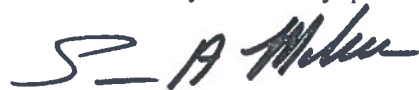
None.

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**

1. The Permit to Construct Phase 3 shall expire October 26, 2015. The Permit to Operate Phases 1 & 2, and Phase 3 (Cells A & B) shall expire July 25, 2016. Per condition #1 in Part 1 of Attachment 3 of the Permit a permit amendment should be submitted no later than March 25, 2016.
2. The plan for beginning to operate in Phase 3, Cell C was discussed during this site visit.
3. The Edge-of-Waste markers on the eastern side of the landfill had been removed during cell construction. They were replaced during the site visit.
4. Tonnage records were reviewed for crushed glass coming from Strategic Materials. Crushed glass is permitted for use at the facility as road base material for the haul roads. Records indicated that 1,667.50 tons were received during November 2012 and 904.29 tons were received during December 2012.
5. The random waste screening forms for November and December 2012 were reviewed and are being performed on a minimum of 1% of the waste stream. No loads were recorded as rejected.
6. Wood processing and mulching is occurring in the area designated on the plan drawings. Ensure that positive drainage is maintained at wood waste processing and mulching areas. Continue efforts to ensure that the measurements for the unprocessed wood pile do not exceed the limits detailed in condition #44, Part 3, Attachment 3 of the Permit.
7. No windblown material was observed.
8. Please contact me if you have any questions or concerns regarding this inspection report.
9. Digital photos were taken during the Inspection.

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

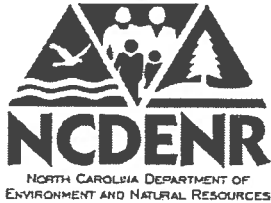


Shawn McKee  
Environmental Senior Specialist  
*Regional Representative*

Phone: 919-707-8284

Sent on:		Email:		Hand delivery		US Mail		Certified No. <input type="checkbox"/>
February 20, 2013		X						

Copies: Ellen Lorscheider, Planning and Programs Branch Head - Solid Waste Section  
Dennis Shackelford, Eastern District Supervisor - Solid Waste Section  
Donna Wilson, Permitting Engineer - Solid Waste Section  
Jessica Montie, Compliance Officer - Solid Waste Section  
John Roberson, Wake County Solid Waste Management Director



# FACILITY COMPLIANCE INSPECTION REPORT

## Division of Waste Management

### Solid Waste Section

<b>UNIT TYPE:</b>										<b>COUNTY:</b> Wake <b>PERMIT NO.:</b> 9226-CDLF-2001 <b>FILE TYPE:</b> COMPLIANCE		
Lined MSWLF		LCID		YW		Transfer		Compost			SLAS	
Closed MSWLF		HHW		White goods		Incin		T&P			FIRM	
CDLF	X	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO			SDTF	

**Date of Site Inspection:** April 23, 2013    **Date of Last Inspection:** January 22, 2013

**FACILITY NAME AND ADDRESS:**

Shotwell C&D Landfill, Inc.  
 4714 Smithfield Road  
 Wendell, NC 27591-8651  
 919-556-1182  
 919-217-0045

**GPS COORDINATES:** N: 35.72417    E: -78.4349

**FACILITY CONTACT NAME AND PHONE NUMBER:**

David King	John Brown
919-427-4104	919-876-8485
<a href="mailto:dking@debrisrp.com">dking@debrisrp.com</a>	<a href="mailto:jbrown@debrisrp.com">jbrown@debrisrp.com</a>

**FACILITY CONTACT ADDRESS:**

David King  
 Shotwell Landfill, Inc.  
 225 Weathers Street  
 Youngsville, NC 27596

**PARTICIPANTS:**

Shawn McKee, NCDENR-Solid Waste Section  
 Liz Patterson, NCDENR-Solid Waste Section  
 John Brown, Shotwell Landfill, Inc.  
 Nellie Basnett, Shotwell Landfill, Inc.

**STATUS OF PERMIT:**

PTC, Original Issue, Phase I January 10, 2001  
 PTO, Phase I, Cell 1 April 30, 2001  
 PTO, Modification April 12, 2004  
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 PTO, Phase II, Cell 3 June 12, 2009  
 PTC, Phase III and PTO (all prior phases/cells): October 25, 2010  
 PTC, Phase 3 amended and PTO (Phase 1-3A): July 25, 2011  
 PTO, Phase 3, Cell B June 15, 2012

**PURPOSE OF SITE VISIT:**

Partial inspection.



**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 2 of 2

**OBSERVED VIOLATIONS**

None.

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 construction and demolition (C&D) debris landfill. The Permit to Construct Phase 3 shall expire October 26, 2015. The Permit to Operate Phases 1 & 2, and Phase 3 (Cells A & B) shall expire July 25, 2016. Per Condition #1 in Part 1 of Attachment 3 of the Permit a permit amendment should be submitted to the SWS no later than March 25, 2016. The facility is permitted to receive C&D waste generated within Wake and Johnston counties.

1. The sign at the entrance to the facility is according to the rules.
2. The facility is currently accepting between 400 and 500 tons of waste per day. The facility is approved to accept approximately 91,250 tons of C&D waste per year.
3. Tonnage records were reviewed for crushed glass coming from Strategic Materials. Crushed glass is permitted for use at the facility as road base material for the haul roads. Records indicated that 5,856.32 tons had been received since January 1, 2013. Evidence of glass usage was observed on the haul road during the inspection.
4. Wood processing and mulching is occurring in the area designated on the plan drawings. Ensure that positive drainage is maintained at wood waste processing and mulching areas. An air curtain burner is being used to reduce onsite stockpiles of land clearing debris when weather conditions are such that smoke will not be a nuisance to neighbors.



Land clearing waste



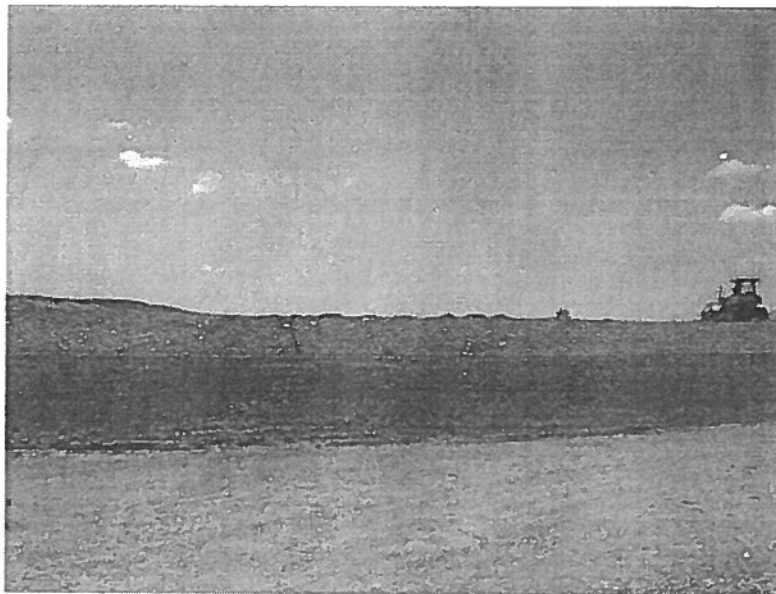
Working face

5. The working face appeared small and well compacted. No prohibited or unacceptable waste items were observed in the working face.

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 3 of 3

6. A small quantity of windblown material was observed to the east of the working face. **All windblown must be picked up on a daily basis.**



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

Phone: 919-707-8284

Shawn McKee  
Environmental Senior Specialist  
*Regional Representative*

Sent on:		Email:		Hand delivery		US Mail		Certified No. [ ]
February 20, 2013		X						

Copies: Ellen Lorscheider, Planning and Programs Branch Head - Solid Waste Section  
Dennis Shackelford, Eastern District Supervisor – Solid Waste Section  
Liz Patterson, Environmental Technician – Solid Waste Section  
Jessica Montie, Compliance Officer – Solid Waste Section  
John Roberson, Wake County Solid Waste Management Director



# FACILITY COMPLIANCE INSPECTION REPORT

## Division of Waste Management Solid Waste Section

<b>UNIT TYPE:</b>											
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS	<b>COUNTY:</b> Wake <b>PERMIT NO.:</b> 9226-CDLF-2001 <b>FILE TYPE:</b> COMPLIANCE
Closed MSWLF		HHW		White goods		Incineration		T&P		FIRM	
CDLF	<input checked="" type="checkbox"/>	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF	

**Date of Site Inspection:** July 29, 2013

**Date of Last Inspection:** April 23, 2013

**FACILITY NAME AND ADDRESS:**

Shotwell C&D Landfill, Inc.  
 4714 Smithfield Road  
 Wendell, NC 27591-8651  
 919-556-1182  
 919-217-0045

**GPS COORDINATES:** N: 35.72417 E: -78.4349

**FACILITY CONTACT NAME AND PHONE NUMBER:**

David King	John Brown
919-427-4104	919-876-8485
<a href="mailto:dking@debrisrp.com">dking@debrisrp.com</a>	<a href="mailto:jbrown@debrisrp.com">jbrown@debrisrp.com</a>

**FACILITY CONTACT ADDRESS:**

Mr. David W. King, President  
 Shotwell Landfill, Inc.  
 3209 Gresham Lake Road, Suite 120  
 Raleigh, NC 27615

**PARTICIPANTS:**

Shawn McKee, NCDENR-Solid Waste Section  
 Elizabeth Werner, NCDENR-Solid Waste Section  
 Nellie Basnett, Shotwell Landfill, Inc.

**STATUS OF PERMIT:**

PTC, Original Issue, Phase I January 10, 2001  
 PTO, Phase I, Cell 1 April 30, 2001  
 PTO, Modification April 12, 2004  
 PTO, Phase I, additional 1 acre March 30, 2006  
 PTC, Phase II October 16, 2006  
 PTO, Phase II, Cell 1, 2 acre subcell November 8, 2006  
 PTO, Phase II, Cell 1, remaining area June 19, 2007  
 PTO, Phase II, Cell 2 July 18, 2008  
 PTO, Phase II, Cell 3 June 12, 2009  
 PTC, Phase III and PTO (all prior phases/cells): October 25, 2010  
 PTC, Phase 3 amended and PTO (Phase 1-3A): July 25, 2011  
 PTO, Phase 3, Cell B June 15, 2012

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 2 of 5

**PURPOSE OF SITE VISIT:**

Comprehensive inspection.

**OBSERVED VIOLATIONS**

**15A NCAC 13B .0542 (f) (2)** states: "...areas which will not have additional wastes placed on them for three months or more, but where final termination of disposal operations has not occurred, must be covered and stabilized with vegetative ground cover or other stabilizing material."

**15A NCAC 13B .0542(k)(2)** states that: "Adequate sediment control measures consisting of vegetative cover, materials, structures or devices must be utilized to prevent excessive on-site erosion of the C&DLF facility or unit"

Soil cover is eroding from the southern and northern slopes of the landfill such that waste is being exposed, and leachate seeps are occurring on the northern slope.

**15A NCAC 13B .0542(k)(3)** states that: "Provisions for a vegetative ground cover sufficient to restrain erosion must be accomplished as directed by appropriate state or local agency upon completion of any phase of C&DLF development consistent with Rule .0543(c)(5) of this Section."

Vegetative ground cover sufficient to restrain erosion has not been established and/or maintained on the southeastern and northern slopes of the landfill.

**15A NCAC 13B .0543 (c)(2)(A)** states that: "post-settlement surface slopes must be a minimum of five percent and a maximum of 25 percent;"

Areas of the northern slope are steeper than specified in the approved Facility Operations Plan.

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 construction and demolition (C&D) debris landfill. The Permit to Construct Phase 3 shall expire October 26, 2015. The Permit to Operate Phases 1 & 2, and Phase 3 (Cells A & B) shall expire July 25, 2016. Per Condition #1 in Part 1 of Attachment 3 of the Permit a permit amendment should be submitted to the SWS no later than March 25, 2016. The facility is permitted to receive C&D waste generated within Wake and Johnston counties.

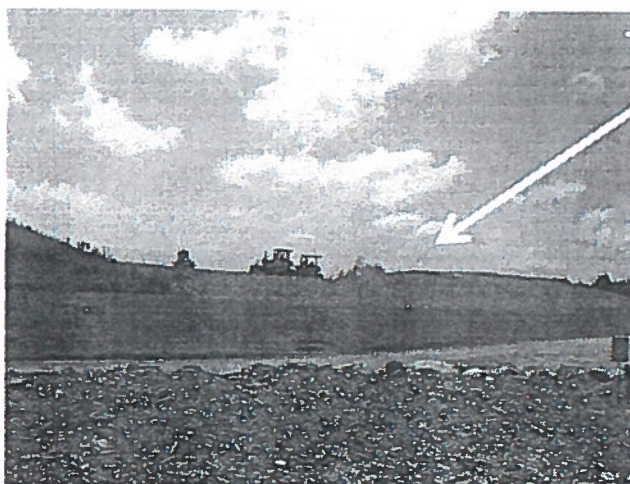
1. The facility is fenced and is secured by a locking gate when it is not open for operation. The correct signage is at the entrance of the facility listing the facility name, permit number and emergency contact information as well as materials accepted at the facility. The facility accepts waste Monday through Friday from 7:30 am until 4:00 pm.
2. Random waste screening reports were reviewed. Unacceptable waste is loaded back onto the incoming truck and hauled back to the originating facility. One load of waste is screened per day during operations as part of the random waste screening program.



**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 3 of 5

3. Waste tonnage records were reviewed. The facility is currently accepting approximately 500 tons of waste per day. The facility is approved to accept approximately 91,250 tons of C&D waste per year.
4. Groundwater monitoring records were reviewed but reports from the last sampling event (December 2012) could not be located. The report from the June 2013 sampling event had not yet been finalized. Results from the landfill gas monitoring for 2013 also could not be located. **A copy of all groundwater and landfill gas monitoring reports and data must be kept onsite at the facility. Corrective actions need to be underway within 30 days of receipt of this Report.**
5. The monitoring wells are checked 1-2 times per week to confirm that they are locked and secure. Records of the well checks were reviewed during the inspection.
6. Bottled water is available in the scale house for drinking water at the facility meeting the requirement of condition #22 in Part 1 of Attachment 3 in the permit.
7. The following people hold certifications at the facility:  
Terry Basnett - Certified Landfill Operations Specialist, expires 2/8/2014, LF-2008002  
Nellie Basnett – Certified Landfill Operations Specialist, expires 2/28/2015, LF-2006100
8. Edge-of-waste markers have been installed and are being maintained around the eastern side of the landfill. **Edge of waste markers need to be installed around all areas where waste was disposed as a way to delineate areas where ongoing maintenance is required.**
9. The working face was appropriately sized for the expected waste. The log showing the placement of cover material was reviewed during the inspection. All C&DLF units must cover the solid waste with six inches of earthen material when the waste disposal area exceeds one-half acre and at least once weekly.
10. Wood processing and mulching is occurring in the area designated on the plan drawings. Ensure that positive drainage is maintained at wood waste processing and mulching areas. An air curtain burner is being used to reduce onsite stockpiles of land clearing debris when weather conditions are such that smoke will not be a nuisance to neighbors. At the time of the inspection, there was a light breeze blowing in the southerly direction.



Smoke

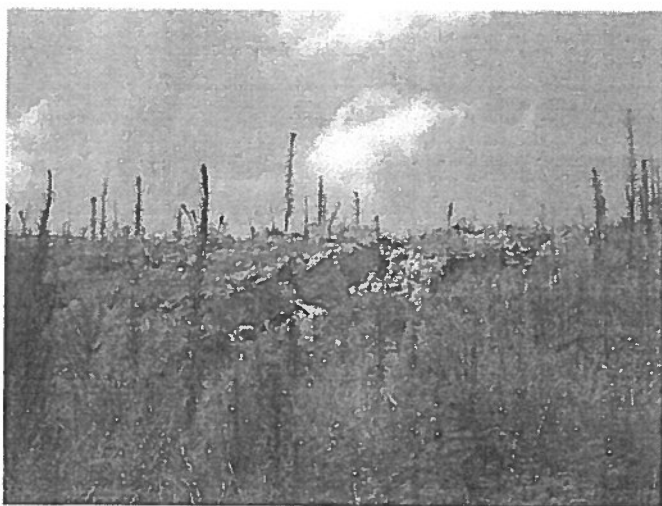
Eastern side of landfill looking west-northwest.

11. Areas of the northern slope of the landfill are steeper than specified in the approved Facility Operations Plan.

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 4 of 5

12. A ground cover sufficient to restrain erosion needs to be provided on all eroding areas of the landfill perimeter slopes and inactive areas. Significant erosion and areas eroded to waste were observed on both the northern and southeastern slopes of the landfill. Numerous leachate seeps were also observed on the northern slope because of erosion. I would recommend staging ground up wood from the Yard Waste Unit in properly sized wind rows, in an approved area shown on your facility site plan, to access later for a soil amendment as the wood decomposes into mulch or top soil. **A plan to correct erosion issues and establish ground cover sufficient to restrain erosion needs to be provided with 30 days of receipt of this Report.**



Erosion occurring on southeastern slope is exposing buried waste.




Erosion occurring on northern slope is exposing buried waste and causing leachate seeps to occur.

Digital photos were taken during the inspection.

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

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



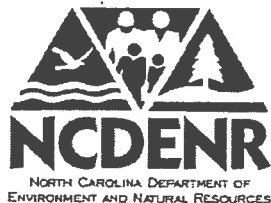
Shawn McKee  
Environmental Senior Specialist  
*Regional Representative*

Phone: 919-707-8284

Sent on: August 7, 2013		Email: X		Hand delivery: X		US Mail		Certified No. <input type="checkbox"/>
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Copies: Ellen Lorscheider, Planning and Programs Branch Head - Solid Waste Section  
Dennis Shackelford, Eastern District Supervisor – Solid Waste Section  
Pat Backus, Permitting Engineer – Solid Waste Section  
Jaclynne Drummond, Compliance Hydrogeologist – Solid Waste Section  
Jessica Montie, Compliance Officer – Solid Waste Section





# FACILITY COMPLIANCE INSPECTION REPORT

## Division of Waste Management Solid Waste Section

<b>UNIT TYPE:</b>										<b>COUNTY:</b> Wake <b>PERMIT NO.:</b> 9226-CDLF-2001 <b>FILE TYPE:</b> COMPLIANCE		
Lined MSWLF		LCID		YW		Transfer		Compost			SLAS	
Closed MSWLF		HHW		White goods		Incin		T&P			FIRM	
CDLF	<input checked="" type="checkbox"/>	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO			SDTF	

**Date of Site Inspection:** August 1, 2013      **Date of Last Inspection:** July 29, 2013

**FACILITY NAME AND ADDRESS:**

Shotwell C&D Landfill, Inc.  
 4714 Smithfield Road  
 Wendell, NC 27591-8651  
 919-556-1182  
 919-217-0045

**GPS COORDINATES:** N: 35.72417    E: -78.4349

**FACILITY CONTACT NAME AND PHONE NUMBER:**

David King	John Brown
919-427-4104	919-876-8485
<a href="mailto:dking@debrisrp.com">dking@debrisrp.com</a>	<a href="mailto:jbrown@debrisrp.com">jbrown@debrisrp.com</a>

**FACILITY CONTACT ADDRESS:**

Mr. David W. King, President  
 Shotwell Landfill, Inc.  
 3209 Gresham Lake Road, Suite 120  
 Raleigh, NC 27615

**PARTICIPANTS:**

Shawn McKee, NCDENR-Solid Waste Section  
 Dennis Shackelford, NCDENR-Solid Waste Section  
 John Brown, Shotwell Landfill, Inc.  
 Nellie Basnett, Shotwell Landfill, Inc.

**STATUS OF PERMIT:**

PTC, Original Issue, Phase I January 10, 2001  
 PTO, Phase I, Cell 1 April 30, 2001  
 PTO, Modification April 12, 2004  
 PTO, Phase I, additional 1 acre March 30, 2006  
 PTC, Phase II October 16, 2006  
 PTO, Phase II, Cell 1, 2 acre subcel! November 8, 2006  
 PTO, Phase II, Cell 1, remaining area June 19, 2007  
 PTO, Phase II, Cell 2 July 18, 2008  
 PTO, Phase II, Cell 3 June 12, 2009  
 PTC, Phase III and PTO (all prior phases/cells): October 25, 2010  
 PTC, Phase 3 amended and PTO (Phase 1-3A): July 25, 2011  
 PTO, Phase 3, Cell B June 15, 2012

**PURPOSE OF SITE VISIT:**

Partial inspection and follow-up.

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 2 of 5

**OBSERVED VIOLATIONS**

**15A NCAC 13B .0542 (f) (2)** states: "...areas which will not have additional wastes placed on them for three months or more, but where final termination of disposal operations has not occurred, must be covered and stabilized with vegetative ground cover or other stabilizing material."

Many areas outside the working face have not been provided with adequate soil cover or a ground cover sufficient to restrain erosion.

**15A NCAC 13B .0542(k)(2)** states that: "Adequate sediment control measures consisting of vegetative cover, materials, structures or devices must be utilized to prevent excessive on-site erosion of the C&DLF facility or unit"

Soil cover is eroding from the southern and northern slopes of the landfill such that waste is being exposed, and leachate seeps are occurring on the northern slope.

**15A NCAC 13B .0542(k)(3)** states that: "Provisions for a vegetative ground cover sufficient to restrain erosion must be accomplished as directed by appropriate state or local agency upon completion of any phase of C&DLF development consistent with Rule .0543(c)(5) of this Section."

Vegetative ground cover sufficient to restrain erosion has not been established on the southeastern and northern slopes of the landfill. Ground cover efforts need to continue until adequate ground cover is provided.

**15A NCAC 13B .0543 (c)(2)(A)** states that: "post-settlement surface slopes must be a minimum of five percent and a maximum of 25 percent;"

Areas of the northern slope are steeper than specified in the approved Facility Operations Plan.

**15A NCAC 13B .0544(2)(B)** states that : "The monitoring wells and piezometers must be operated, maintained, and accessible so that they perform to design specifications throughout the life of the monitoring program"

Groundwater monitoring well MW-6 has been damaged and must be repaired to design specifications.

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 construction and demolition (C&D) debris landfill. The Permit to Construct Phase 3 shall expire October 26, 2015. The Permit to Operate Phases 1 & 2, and Phase 3 (Cells A & B) shall expire July 25, 2016. Per Condition #1 in Part 1 of Attachment 3 of the Permit a permit amendment should be submitted to the SWS no later than March 25, 2016. The facility is permitted to receive C&D waste generated within Wake and Johnston counties.

1. The facility is fenced and is secured by a locking gate when it is not open for operation. The correct signage is at the entrance of the facility listing the facility name, permit number and emergency contact information as well as materials accepted at the facility. The facility accepts waste Monday through Friday from 7:30 am until 4:00 pm.

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 3 of 5

2. Edge-of-waste markers have been installed and are being maintained around the eastern side of the landfill. **Edge of waste markers need to be installed and maintained around all areas where waste was disposed as a way to delineate areas where ongoing maintenance is required.**
3. The working face was appropriately sized for the expected waste. All C&DLF units must cover the solid waste with six inches of earthen material when the waste disposal area exceeds one-half acre and at least once weekly.
4. The area on the northern slope with numerous leachate seeps identified during the July 29, 2013 inspection had been reworked and seeded. Without additional investigative work on the underlying cause of the leachate seeps, they might potentially become active again. One seep was already evident because of exposed waste. Previously graded areas had been seeded with winter rye. Please be advised that the requirement for a ground cover sufficient to restrain erosion has not been provided until areas are properly seeded, mulched and anchored. Merely broadcasting seed does not meet this requirement. Additionally the seed being used is for winter months.



Re-worked area.



Leachate seep reappearing in reworked area.

5. The western, southern and northern slopes of the landfill need mowing and tree removal. Additionally, bare or sparsely vegetated areas need to be properly graded and seeded, as they are noticed, to prevent excessive erosion or uncovered waste.
6. A ground cover sufficient to restrain erosion needs to be provided on all eroding areas of the landfill perimeter slopes and inactive areas. Significant erosion and areas eroded to waste were observed on both the northern and southern slopes of the landfill. One leachate seep was observed on the northern side of the landfill in the regarded area. A leachate seep was also observed on the southern side of the landfill in an area which had eroded to expose buried waste. I would recommend staging ground up wood from the Yard Waste Unit in properly sized wind rows, in an approved area shown on your facility site plan, to access later for a soil amendment as the wood decomposes into mulch or top soil. **A plan to correct erosion issues and establish ground cover sufficient to restrain erosion needs to be provided with 30 days of receipt of this Report. The plan must include a schedule with time frames for sloping, mowing and re-stabilization of disturbed areas.**



**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 4 of 5



Area on northern slope with exposed waste.



Erosion on southeastern slope exposing buried waste.

7. Groundwater monitoring well MW-6 has been damaged such that the base is broken and the seal may no longer be intact. **Repairs to MW-6 to design specifications needs to be completed within 30 days of receipt of this Report.**

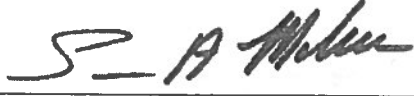


8. Wood processing and mulching is occurring in the area designated on the plan drawings. Ensure that positive drainage is maintained at wood waste processing and mulching areas.
9. Corrective actions are needed as a result of this inspection.
10. Digital photos were taken during the inspection.

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 5 of 5

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: August 7, 201		Email: X		Hand delivery		US Mail		Certified No. [ ]
---------------------------	--	-------------	--	---------------	--	---------	--	-------------------

Copies: Ellen Lorscheider, Planning and Programs Branch Head - Solid Waste Section  
Dennis Shackelford, Eastern District Supervisor – Solid Waste Section  
Pat Backus, Permitting Engineer – Solid Waste Section  
Jaclynne Drummond, Compliance Hydrogeologist – Solid Waste Section  
Jessica Montie, Compliance Officer – Solid Waste Section



# FACILITY COMPLIANCE INSPECTION REPORT

## Division of Waste Management Solid Waste Section

<b>UNIT TYPE:</b>												
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		<b>COUNTY:</b> Wake <b>PERMIT NO.:</b> 9226-CDLF-2001 <b>FILE TYPE:</b> COMPLIANCE
Closed MSWLF		HHW		White goods		Incineration		T&P		FIRM		
CDLF	<b>X</b>	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

**Date of Site Inspection:** September 5, 2013

**Date of Last Inspection:** August 1, 2013

**FACILITY NAME AND ADDRESS:**

Shotwell C&D Landfill, Inc.  
 4714 Smithfield Road  
 Wendell, NC 27591-8651  
 919-556-1182  
 919-217-0045

**GPS COORDINATES:** N: 35.72417 E: -78.4349

**FACILITY CONTACT NAME AND PHONE NUMBER:**

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**PARTICIPANTS:**

Shawn McKee, NCDENR-Solid Waste Section  
 Dennis Shackelford, NCDENR-Solid Waste Section  
 David King, Shotwell Landfill, Inc.  
 Terry Basnett, Shotwell Landfill, Inc.

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 PTC, Phase III and PTO (all prior phases/cells): October 25, 2010  
 PTC, Phase 3 amended and PTO (Phase 1-3A): July 25, 2011  
 PTO, Phase 3, Cell B June 15, 2012

**PURPOSE OF SITE VISIT:**

Partial inspection; follow-up.

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 2 of 4

**STATUS OF PAST NOTED VIOLATIONS:**

**15A NCAC 13B .0542 (f) (2)** states: "...areas which will not have additional wastes placed on them for three months or more, but where final termination of disposal operations has not occurred, must be covered and stabilized with vegetative ground cover or other stabilizing material." **Not Resolved.**

Areas outside the working face on the northern and southern slopes have not been provided with adequate soil cover or a ground cover sufficient to restrain erosion. Part of the slope on the northern side had been repaired at the time of the inspection.

**15A NCAC 13B .0542(k)(2)** states that: "Adequate sediment control measures consisting of vegetative cover, materials, structures or devices must be utilized to prevent excessive on-site erosion of the C&DLF facility or unit." **Not Resolved.**

Soil cover is eroding from the southern slopes of the landfill such that waste is being exposed, and leachate seeps are occurring on both the northern and southeastern slopes. The area of exposed waste on the northern side of the landfill had been covered and regraded.

**15A NCAC 13B .0542(k)(3)** states that: "Provisions for a vegetative ground cover sufficient to restrain erosion must be accomplished as directed by appropriate state or local agency upon completion of any phase of C&DLF development consistent with Rule .0543(c)(5) of this Section." **Not Resolved.**

Vegetative ground cover sufficient to restrain erosion has not been established on the southeastern and northern slopes of the landfill. Ground cover efforts need to continue until adequate ground cover is provided.

**15A NCAC 13B .0543 (c)(2)(A)** states that: "post-settlement surface slopes must be a minimum of five percent and a maximum of 25 percent;" **Not Resolved.**

Areas of the northern slope are steeper than specified in the approved Facility Operations Plan.

**15A NCAC 13B .0544(2)(B)** states that : "The monitoring wells and piezometers must be operated, maintained, and accessible so that they perform to design specifications throughout the life of the monitoring program" **Not Resolved.**

Groundwater monitoring well MW-6 has been damaged and must be repaired to design specifications.

**OBSERVED VIOLATIONS**

No additional violations observed.

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.



**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 3 of 4

**ADDITIONAL COMMENTS**

The facility is a construction and demolition (C&D) debris landfill. The Permit to Construct Phase 3 shall expire October 26, 2015. The Permit to Operate Phases 1 & 2, and Phase 3 (Cells A & B) shall expire July 25, 2016. Per Condition #1 in Part 1 of Attachment 3 of the Permit a permit amendment should be submitted to the SWS no later than March 25, 2016. The facility is permitted to receive C&D waste generated within Wake and Johnston counties.

1. The facility is fenced and is secured by a locking gate when it is not open for operation. The correct signage is at the entrance of the facility listing the facility name, permit number and emergency contact information as well as materials accepted at the facility. The facility accepts waste Monday through Friday from 7:30 am until 4:00 pm.
2. Edge-of-waste markers have been installed and are being maintained around the eastern side of the landfill. **Edge of waste markers need to be installed and maintained around all areas where waste was disposed as a way to delineate areas where ongoing maintenance is required.**
3. The working face was appropriately sized for the expected waste. All C&DLF units must cover the solid waste with six inches of earthen material when the waste disposal area exceeds one-half acre and at least once weekly.
4. The area on the northern slope with leachate seeps identified during the July 29, 2013 inspection had been reworked and seeded. Without additional investigative work on the underlying cause of the leachate seeps, they might potentially become active again. One seep was already evident because of exposed waste. Previously graded areas had been seeded with winter rye. Please be advised that the requirement for a ground cover sufficient to restrain erosion has not been provided until areas are properly seeded, mulched and anchored. Merely broadcasting seed does not meet this requirement. **Leachate seeps should be repaired as soon as they are discovered by facility staff during routine slope checks.**
5. The western and northern slopes of the landfill need mowing and tree removal. Additionally, bare or sparsely vegetated areas need to be properly graded and seeded, as they are noticed, to prevent excessive erosion or uncovered waste.
6. A ground cover sufficient to restrain erosion needs to be provided on all eroding areas of the landfill perimeter slopes and inactive areas. Significant erosion and areas eroded to waste were observed on both the northern and southern slopes of the landfill. One leachate seep was observed on the northern side of the landfill in the regarded area. A leachate seep was also observed on the southern side of the landfill in an area which had eroded to expose buried waste. I would recommend staging ground up wood from the Yard Waste Unit in properly sized wind rows, in an approved area shown on your facility site plan, to access later for a soil amendment as the wood decomposes into mulch or top soil. **A plan to correct erosion issues and establish ground cover sufficient to restrain erosion needs to be provided with 30 days of receipt of this Report. The plan must include a schedule with time frames for sloping, mowing and re-stabilization of disturbed areas.**
7. Groundwater monitoring well MW-6 has been damaged such that the base is broken and the seal may no longer be intact. **Repairs to MW-6 to design specifications needs to be completed within 30 days of receipt of this Report.**
8. Wood processing and mulching is occurring in the area designated on the plan drawings. Ensure that positive drainage is maintained at wood waste processing and mulching areas.

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 4 of 4

9. As per the letter from the NCDENR Division of Air Quality dated April 11, 2013, ensure that all open burning of natural disaster debris is done in accordance with 15A NCAC 2D .1904(b) in an Air Curtain Burner as defined in 15A NCAC 2D .1902(1); *"Air Curtain Burner" means a stationary or portable combustion device that directs a plane of high velocity forced draft air through a manifold head into a pit or container with vertical walls in such a manner as to maintain a curtain of air over the surface of the pit and a recirculating motion of air under the curtain.*
10. **Corrective actions are needed as a result of this inspection.**
11. Digital photos were taken during the inspection.

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: October 4, 2013		Email: X		Hand delivery		US Mail		Certified No. [ ]
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Copies: Ellen Lorscheider, Planning and Programs Branch Head - Solid Waste Section  
Dennis Shackelford, Eastern District Supervisor – Solid Waste Section  
Pat Backus, Permitting Engineer – Solid Waste Section  
Jaclynne Drummond, Compliance Hydrogeologist – Solid Waste Section  
Jessica Montie, Compliance Officer – Solid Waste Section



# FACILITY COMPLIANCE INSPECTION REPORT

## Division of Waste Management Solid Waste Section

<b>UNIT TYPE:</b>												
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		<b>COUNTY:</b> Wake <b>PERMIT NO.:</b> 9226-CDLF-2001 <b>FILE TYPE:</b> COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM		
CDLF	<b>X</b>	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

**Date of Site Inspection:** October 10, 2013

**Date of Last Inspection:** September 5, 2013

**FACILITY NAME AND ADDRESS:**

Shotwell C&D Landfill, Inc.  
 4714 Smithfield Road  
 Wendell, NC 27591-8651  
 919-556-1182  
 919-217-0045

**GPS COORDINATES:** N: 35.72417 E: -78.4349

**FACILITY CONTACT NAME AND PHONE NUMBER:**

David King  
 919-427-4104  
[dking@debrisrp.com](mailto:dking@debrisrp.com)

**FACILITY CONTACT ADDRESS:**

Mr. David W. King, President  
 Shotwell Landfill, Inc.  
 3209 Gresham Lake Road, Suite 120  
 Raleigh, NC 27615

**PARTICIPANTS:**

Shawn McKee, NCDENR-Solid Waste Section  
 Dennis Shackelford, NCDENR-Solid Waste Section  
 David King, Shotwell Landfill, Inc.

**STATUS OF PERMIT:**

PTC, Original Issue, Phase I January 10, 2001  
 PTO, Phase I, Cell 1 April 30, 2001  
 PTO, Modification April 12, 2004  
 PTO, Phase I, additional 1 acre March 30, 2006  
 PTC, Phase II October 16, 2006  
 PTO, Phase II, Cell 1, 2 acre subcell November 8, 2006  
 PTO, Phase II, Cell 1, remaining area June 19, 2007  
 PTO, Phase II, Cell 2 July 18, 2008  
 PTO, Phase II, Cell 3 June 12, 2009  
 PTC, Phase III and PTO (all prior phases/cells): October 25, 2010  
 PTC, Phase 3 amended and PTO (Phase 1-3A): July 25, 2011  
 PTO, Phase 3, Cell B June 15, 2012

**PURPOSE OF SITE VISIT:**

Partial inspection; follow-up.

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

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**STATUS OF PAST NOTED VIOLATIONS:**

**15A NCAC 13B .0542 (f) (2)** states: "...areas which will not have additional wastes placed on them for three months or more, but where final termination of disposal operations has not occurred, must be covered and stabilized with vegetative ground cover or other stabilizing material." **Resolved.**

The areas of exposed waste on the southern and northern sides of the landfill have been covered, regraded, and seeded.

**15A NCAC 13B .0542(k)(2)** states that: "Adequate sediment control measures consisting of vegetative cover, materials, structures or devices must be utilized to prevent excessive on-site erosion of the C&DLF facility or unit." **Resolved.**

The areas of exposed waste on the southern and northern sides of the landfill have been covered, regraded, and seeded.

**15A NCAC 13B .0542(k)(3)** states that: "Provisions for a vegetative ground cover sufficient to restrain erosion must be accomplished as directed by appropriate state or local agency upon completion of any phase of C&DLF development consistent with Rule .0543(c)(5) of this Section." **Resolved.**

The southern, western and northern slopes of the landfill have been mowed and seeded. Ground cover efforts need to continue until adequate ground cover is provided.

**15A NCAC 13B .0543 (c)(2)(A)** states that: "post-settlement surface slopes must be a minimum of five percent and a maximum of 25 percent;" **Not Resolved.**

Areas of the northern slope are steeper than specified in the approved Facility Operations Plan. A work plan to address regrading these areas has not yet been submitted.

**15A NCAC 13B .0544(2)(B)** states that : "The monitoring wells and piezometers must be operated, maintained, and accessible so that they perform to design specifications throughout the life of the monitoring program" **Not Resolved.**

Groundwater monitoring well MW-6 has been damaged and must be repaired to design specifications. Corrective actions need to be underway.

**OBSERVED VIOLATIONS**

No additional violations observed.

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 construction and demolition (C&D) debris landfill. The Permit to Construct Phase 3 shall expire October 26, 2015. The Permit to Operate Phases 1 & 2, and Phase 3 (Cells A & B) shall expire July 25, 2016. Per Condition #1 in Part 1 of Attachment 3 of the Permit a permit amendment should be submitted to the SWS no later than March 25, 2016. The facility is permitted to receive C&D waste generated within Wake and Johnston counties.

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 3 of 4

1. The facility is fenced and is secured by a locking gate when it is not open for operation. The correct signage is at the entrance of the facility listing the facility name, permit number and emergency contact information as well as materials accepted at the facility. The facility accepts waste Monday through Friday from 7:30 am until 4:00 pm.
2. Edge-of-waste markers have been installed and are being maintained around the eastern side of the landfill. Edge of waste markers need to be installed and maintained around all areas where waste was disposed as a way to delineate areas where ongoing maintenance is required.
3. The working face was appropriately sized for the expected waste. All C&DLF units must cover the solid waste with six inches of earthen material when the waste disposal area exceeds one-half acre and at least once weekly.
4. The area on the northern slope with leachate seeps identified during the July 29, 2013 inspection had been reworked and seeded. Previously graded areas have been seeded which had emerged at the time of the inspection. Please be advised that the requirement for a ground cover sufficient to restrain erosion has not been provided until areas are properly seeded, mulched and anchored. **Leachate seeps should be repaired as soon as they are discovered by facility staff during routine slope checks.**



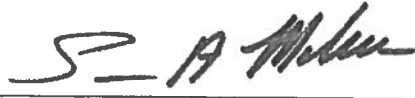
Northern slope where leachate breakout had occurred.      Southwestern slope.

5. The western and northern slopes of the landfill have been mowed and trees have been removed. The slopes have been repaired, properly graded and seeded. Routine maintenance of these areas should be performed as areas bare of vegetation are noticed, to prevent excessive erosion or uncovered waste.
6. Areas of the northern slope are steeper than specified in the approved Facility Operations Plan. **A work plan to address regrading these areas has not yet been submitted.**
7. Groundwater monitoring well MW-6 has been damaged such that the base is broken and the seal may no longer be intact. **A plan to repair MW-6 to design specifications has not yet been submitted.**
8. Wood processing and mulching is occurring in the area designated on the plan drawings. Ensure that positive drainage is maintained at wood waste processing and mulching areas.
9. **Corrective actions are needed as a result of this inspection.**
10. Digital photos were taken during the inspection.

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 4 of 4

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: November 1, 2013		Email: X		Hand delivery		US Mail		Certified No. [ ]
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Copies: Ellen Lorscheider, Planning and Programs Branch Head - Solid Waste Section  
Dennis Shackelford, Eastern District Supervisor - Solid Waste Section  
Pat Backus, Permitting Engineer - Solid Waste Section  
Jaclynne Drummond, Compliance Hydrogeologist - Solid Waste Section  
Jessica Montie, Compliance Officer - Solid Waste Section





# FACILITY COMPLIANCE INSPECTION REPORT

## Division of Waste Management Solid Waste Section

<b>UNIT TYPE:</b>												
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		<b>COUNTY:</b> Wake <b>PERMIT NO.:</b> 9226-CDLF-2001 <b>FILE TYPE:</b> COMPLIANCE
Closed MSWLF		HHW		White goods		Incineration		T&P		FIRM		
CDLF	<b>X</b>	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

**Date of Site Inspection:** April 4, 2014

**Date of Last Inspection:** October 10, 2013

**FACILITY NAME AND ADDRESS:**

Shotwell C&D Landfill, Inc.  
 4714 Smithfield Road  
 Wendell, NC 27591-8651  
 919-556-1182  
 919-217-0045

**GPS COORDINATES:** N: 35.72417 E: -78.4349

**FACILITY CONTACT NAME AND PHONE NUMBER:**

David King  
 919-427-4104  
[dking@debrisrp.com](mailto:dking@debrisrp.com)

**FACILITY CONTACT ADDRESS:**

Mr. David W. King, President  
 Shotwell Landfill, Inc.  
 3209 Gresham Lake Road, Suite 120  
 Raleigh, NC 27615

**PARTICIPANTS:**

Shawn McKee, NCDENR-Solid Waste Section  
 Jaclynne Drummond, NCDENR-Solid Waste Section  
 Ronnie Postlethwait, Shotwell Landfill, Inc.  
 Morgan Barnes, Shotwell Landfill, Inc.

**STATUS OF PERMIT:**

PTC, Original Issue, Phase I January 10, 2001  
 PTO, Phase I, Cell 1 April 30, 2001  
 PTO, Modification April 12, 2004  
 PTO, Phase I, additional 1 acre March 30, 2006  
 PTC, Phase II October 16, 2006  
 PTO, Phase II, Cell 1, 2 acre subcell November 8, 2006  
 PTO, Phase II, Cell 1, remaining area June 19, 2007  
 PTO, Phase II, Cell 2 July 18, 2008  
 PTO, Phase II, Cell 3 June 12, 2009  
 PTC, Phase III and PTO (all prior phases/cells): October 25, 2010  
 PTC, Phase 3 amended and PTO (Phase 1-3A): July 25, 2011  
 PTO, Phase 3, Cell B June 15, 2012

**PURPOSE OF SITE VISIT:**

Comprehensive inspection.



**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

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**STATUS OF PAST NOTED VIOLATIONS:**

**15A NCAC 13B .0543 (c)(2)(A)** states that: "post-settlement surface slopes must be a minimum of five percent and a maximum of 25 percent;" **Not Resolved.**

Areas of the northern slope are steeper than specified in the approved Facility Operations Plan. A work plan to address regrading these areas has not yet been submitted.

**15A NCAC 13B .0544(2)(B)** states that : "The monitoring wells and piezometers must be operated, maintained, and accessible so that they perform to design specifications throughout the life of the monitoring program" **Resolved.**

Groundwater monitoring well MW-6 has been repaired to design specifications.

**OBSERVED VIOLATIONS**

**15A NCAC 13B .0203(d)** states: "By receiving solid waste at a permitted facility, the permittee(s) shall be considered to have accepted the conditions of the permit and shall comply with the conditions of the permit."

**General Permit Condition Number 5** states: "By initiating construction or receiving waste at this facility the permittee shall be considered to have accepted the terms and conditions of this permit."

**General Permit Condition Number 6** states:

"Construction and operation of this solid waste management facility must be in accordance with the Solid Waste Management Rules, 15A NCAC 13B, Article 9 of the Chapter 130A of the North Carolina General Statutes (NCGS 130A-290, et seq.), the conditions contained in this permit; and the approved plan. Should the approved plan and the rules conflict, the Solid Waste Management Rules shall take precedence unless specifically addressed by permit condition."

**15A NCAC 13B .0542 (a)** states that: "The owner or operator of a C&DLF unit must maintain and operate the facility in accordance with the operation plan prepared in accordance with this Rule..."

**Shotwell C&D Landfill is in violation of this rule in that waste was observed being stored outside of the footprint of the landfill.**

**15A NCAC 13B .0542 (l) (4)** states that: Leachate must be contained on-site or treated prior to discharge. An NPDES permit may be required prior to the discharge of leachate to surface waters.

**15A NCAC 13B .0542 (l) (5)** states that: C&DLF units must not:

- (A) Cause a discharge of pollutants into waters of the United States, including wetlands, that violates any requirements of the Clean Water Act, including the National Pollutant Discharge Elimination System (NPDES) requirements, pursuant to Section 402.

**Shotwell C&D Landfill is in violation of the above noted rules and permit conditions in that leachate was observed seeping in several locations on the southern slope of the landfill, then flowing into the sediment pond at the base of this area of the landfill. Leachate was also observed flowing from the northwestern slope near the base, then flowing into a ditch for a distance of approximately 60 feet. This ditch leads to the sediment pond adjacent to the southwestern corner of the landfill. In order to bring this landfill into compliance:**

- 1. Immediately take the steps necessary to repair the slopes in order to stop the leachate seeps; and,**
- 2. Perform the testing specified in comment 13 below.**

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

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**15A NCAC 13B .0542 (f) (2)** states: "...areas which will not have additional wastes placed on them for three months or more, but where final termination of disposal operations has not occurred, must be covered and stabilized with vegetative ground cover or other stabilizing material."

**Many areas outside the working face have not been provided with adequate soil cover or a ground cover sufficient to restrain erosion.**

**15A NCAC 13B .0542(k)(2)** states that: "Adequate sediment control measures consisting of vegetative cover, materials, structures or devices must be utilized to prevent excessive on-site erosion of the C&DLF facility or unit"

**Soil cover is eroding from the southeastern and northern slopes of the landfill such that waste is being exposed, and leachate seeps are occurring on the southern and northern slopes.**

**15A NCAC 13B .0542(k)(3)** states that: "Provisions for a vegetative ground cover sufficient to restrain erosion must be accomplished as directed by appropriate state or local agency upon completion of any phase of C&DLF development consistent with Rule .0543(c)(5) of this Section."

**Vegetative ground cover sufficient to restrain erosion has not been established on the southeastern and northern slopes of the landfill. Ground cover efforts need to continue until adequate ground cover is provided.**

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 construction and demolition (C&D) debris landfill. The Permit to Construct Phase 3 shall expire October 26, 2015. The Permit to Operate Phases 1 & 2, and Phase 3 (Cells A & B) shall expire July 25, 2016. Per Condition #1 in Part 1 of Attachment 3 of the Permit a permit amendment should be submitted to the SWS no later than March 25, 2016. The facility is permitted to receive C&D waste generated within Wake and Johnston counties.

1. The facility is fenced and is secured by a locking gate when it is not open for operation. The correct signage is at the entrance of the facility listing the facility name, permit number and emergency contact information as well as materials accepted at the facility. The facility accepts waste Monday through Friday from 7:30 am until 4:00 pm.
2. The facility permit and operations plan were verified.
3. Random waste screening reports were reviewed for February 1, 2014 through March 28, 2014. Unacceptable waste is loaded back onto the incoming truck and hauled back to the originating facility. One load of waste is screened per day during operations as part of the random waste screening program.
4. Waste tonnage records were reviewed. The facility is currently accepting between 350-400 tons of waste per day. The facility is approved to accept approximately 91,250 tons of C&D waste per year.
5. The log showing the time, date, and placement of cover material was discussed during the inspection.
6. The following people hold certifications at the facility:  
Terry Basnett - Certified Landfill Operations Specialist, expires 2/8/2017, LF-2008002  
Nellie Basnett - Certified Landfill Operations Specialist, expires 2/28/2015, LF-2006100

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

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Morgan Barnes - Certified Landfill Operations Specialist, expires 11/7/2016, LF-2013068

Lacy Hall - Certified Landfill Operations Specialist, expires 11/7/2016, LF-2013071

7. Edge-of-waste markers have been installed and are being maintained around the eastern and southern sides of the landfill. **Edge of waste markers not been installed and maintained around all areas of the landfill where waste was disposed as a way to delineate areas where ongoing maintenance is required.**
8. The working face should be maintained as in as compact a footprint as feasible. **All C&DLF units must cover the solid waste with six inches of earthen material when the waste disposal area exceeds one-half acre and at least once weekly.**
9. Several piles of waste were observed outside of the working face. A pile of carpet and other C&D waste was observed to the south of the LCID area; several piles of C&D waste were observed to the northwest of the LCID area; and a pile of C&D waste was observed to the north of the LCID area. **Waste should not be stockpiled outside of the footprint of the landfill.**



10. The southeastern slope continues to have erosion and exposed waste because adequate vegetative cover has not been established. Please be advised that the requirement for a ground cover sufficient to restrain erosion has not been provided until areas are properly seeded, mulched and anchored. Multiple leachate seeps were observed during the inspection; some of which flowed into the sediment pond. **Although repairs were underway during the inspection, leachate seeps should be repaired as soon as they are discovered by facility staff during routine slope checks.**



Leachate seeps on the southeastern slope running into sediment pond.



## FACILITY COMPLIANCE INSPECTION REPORT

### Division of Waste Management

#### Solid Waste Section

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11. The area on the northern slope with leachate seeps identified during the July 29, 2013 inspection has evidence of erosion. Ground cover sufficient to control erosion has not been established. Please be advised that the requirement for a ground cover sufficient to restrain erosion has not been provided until areas are properly seeded, mulched and anchored. Processed mulch may also be used for erosion control if applied in layers no more than 6 inches in thickness. **A small leachate seep was observed in this area.**
12. The western and northern slopes of the landfill have been mowed and trees have been removed. The slopes have been repaired, properly graded and seeded. Routine maintenance of these areas should be performed as areas bare of vegetation are noticed, to prevent excessive erosion or uncovered waste.
13. **A leachate seep was observed on the western side of the landfill to the south of the perimeter road. The leachate flowed into the storm water ditch for a distance of approximately 60 feet. This storm water ditch flows into the sediment pond at the southwest corner of the landfill.**



Leachate flowing into storm water ditch.



Flow of leachate in storm water ditch.

**Remove the leachate contaminated soil from below the footprint and the storm water drainage ditch. This soil can be placed on the top of the landfill. Sample the soil and surface water according to the method listed below:**

- **Submit a sampling plan for Solid Waste Section review within 30 days and approval prior to conducting the sampling activities. Submit plan to Jaclynne Drummond, 1646 Mail Service Center, Raleigh, NC 27699-1664.**
- The sampling plan should include sampling methodology and a figure depicting the sampling locations.
- A summary report (in electronic format) containing the results of the assessment should be submitted to the Solid Waste Section within 30 days of receiving the analytical results from the NC certified laboratory.

#### Soil Sampling

- Guidelines for soil sampling are located at:  
[http://portal.ncdenr.org/c/document\\_library/get\\_file?uuid=d28d4f91-4b6d-4c9dafd9-47c9ee93615f&groupId=38361](http://portal.ncdenr.org/c/document_library/get_file?uuid=d28d4f91-4b6d-4c9dafd9-47c9ee93615f&groupId=38361).
- Conduct subsurface soil sampling to evaluate the extent of the potential environmental impacts from the release(s) at the facility. Discrete soil samples should be collected between one to two feet below ground surface. Composite soil samples will not be accepted. A background subsurface soil sample should also be collected.

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

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- Analyze subsurface soil samples for the Appendix I of 40 CFR Part 258 list of constituents consisting of both VOCs and metals. Please also analyze for pH.
  - The results should be compared to the Preliminary Soil Remediation Goal Table. Both the health based and the protection of groundwater soil goals must be met. The table is located at [http://portal.ncdenr.org/c/document\\_library/get\\_file?uuid=5539ecfb-739f-4345-9459-b514508135f1&groupId=38361](http://portal.ncdenr.org/c/document_library/get_file?uuid=5539ecfb-739f-4345-9459-b514508135f1&groupId=38361).
14. Areas of the northern slope are steeper than specified in the approved Facility Operations Plan. **A work plan to address regrading these areas has not yet been submitted.**
15. Damage to groundwater monitoring well MW-6 was observed during the August 1, 2013 inspection. The well pad had been broken and has since been repaired.
16. Wood processing and mulching is occurring in the area designated on the plan drawings. Ensure that positive drainage is maintained at wood waste processing and mulching areas.
17. **Corrective actions are needed as a result of this inspection.**
18. Digital photos were taken during the inspection.

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

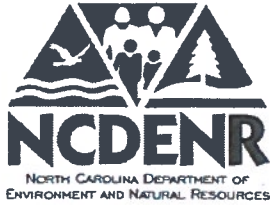


Shawn McKee  
Environmental Senior Specialist  
*Regional Representative*

Phone: 919-707-8284

Sent on: April 16, 2014		Email: X		Hand delivery		US Mail		Certified No. <input type="checkbox"/>
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Copies: Michael Scott, Section Chief - Solid Waste Section  
Ellen Lorscheider, Planning and Programs Branch Head - Solid Waste Section  
Dennis Shackelford, Eastern District Supervisor – Solid Waste Section  
Pat Backus, Permitting Engineer – Solid Waste Section  
Jaclynne Drummond, Compliance Hydrogeologist – Solid Waste Section  
Jessica Montie, Compliance Officer – Solid Waste Section



# FACILITY COMPLIANCE INSPECTION REPORT

## Division of Waste Management

### Solid Waste Section

<b>UNIT TYPE:</b>												
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		<b>COUNTY:</b> Wake <b>PERMIT NO.:</b> 9226-CDLF-2001 <b>FILE TYPE:</b> COMPLIANCE
Closed MSWLF		HHW		White goods		Incineration		T&P		FIRM		
CDLF	<b>X</b>	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

**Date of Site Inspection:** May 21, 2014

**Date of Last Inspection:** April 4, 2014

**FACILITY NAME AND ADDRESS:**

Shotwell C&D Landfill, Inc.  
 4714 Smithfield Road  
 Wendell, NC 27591-8651  
 919-556-1182  
 919-217-0045

**GPS COORDINATES:** N: 35.72417 E: -78.4349

**FACILITY CONTACT NAME AND PHONE NUMBER:**

David King  
 919-427-4104  
[dking@debrisrp.com](mailto:dking@debrisrp.com)

**FACILITY CONTACT ADDRESS:**

Mr. David W. King, President  
 Shotwell Landfill, Inc.  
 3209 Gresham Lake Road, Suite 120  
 Raleigh, NC 27615

**PARTICIPANTS:**

Shawn McKee, NCDENR-Solid Waste Section  
 Jessica Montie, NCDENR-Solid Waste Section  
 Matt Horton, Shotwell Landfill, Inc.

**STATUS OF PERMIT:**

PTC, Original Issue, Phase I January 10, 2001  
 PTO, Phase I, Cell 1 April 30, 2001  
 PTO, Modification April 12, 2004  
 PTO, Phase I, additional 1 acre March 30, 2006  
 PTC, Phase II October 16, 2006  
 PTO, Phase II, Cell 1, 2 acre subcell November 8, 2006  
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 PTO, Phase II, Cell 2 July 18, 2008  
 PTO, Phase II, Cell 3 June 12, 2009  
 PTC, Phase III and PTO (all prior phases/cells): October 25, 2010  
 PTC, Phase 3 amended and PTO (Phase 1-3A): July 25, 2011  
 PTO, Phase 3, Cell B June 15, 2012

**PURPOSE OF SITE VISIT:**

Partial inspection. Follow-up to Notice of Violation issued April 16, 2014.



**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 2 of 5

**STATUS OF PAST NOTED VIOLATIONS:**

**15A NCAC 13B .0543 (c)(2)(A)** states that: "post-settlement surface slopes must be a minimum of five percent and a maximum of 25 percent;" **Not Resolved.**

Areas of the northern slope are steeper than specified in the approved Facility Operations Plan. A work plan to address regrading these areas was submitted to the Section on May 20, 2014 and is under review.

**15A NCAC 13B .0542 (a)** states that: "The owner or operator of a C&DLF unit must maintain and operate the facility in accordance with the operation plan prepared in accordance with this Rule..." **Resolved.**

Waste stored outside of the footprint of the landfill has been removed. No waste was observed being stored outside the working face.

**15A NCAC 13B .0542 (l) (4)** states that: Leachate must be contained on-site or treated prior to discharge. An NPDES permit may be required prior to the discharge of leachate to surface waters.

**15A NCAC 13B .0542 (l) (5)** states that: C&DLF units must not:

- (A) Cause a discharge of pollutants into waters of the United States, including wetlands, that violates any requirements of the Clean Water Act, including the National Pollutant Discharge Elimination System (NPDES) requirements, pursuant to Section 402. **Not Resolved.**

Slopes have been repaired and reworked in all areas previously identified as having leachate seeps. All unvegetated side slopes have been hydroseeded with a mixture of millet and fescue. A Sampling Plan for Leachate Seeps was submitted to the Section on May 2, 2014.

A summary report (in electronic format) containing the results of the assessment should be submitted to the Solid Waste Section within 30 days of receiving the analytical results from the NC certified laboratory.

**15A NCAC 13B .0542 (f) (2)** states: "...areas which will not have additional wastes placed on them for three months or more, but where final termination of disposal operations has not occurred, must be covered and stabilized with vegetative ground cover or other stabilizing material." **Resolved.**

Additional soil cover has been placed on areas with erosion and/or exposed waste. All unvegetated side slopes have been hydroseeded with a mixture of millet and fescue.

**15A NCAC 13B .0542(k)(2)** states that: "Adequate sediment control measures consisting of vegetative cover, materials, structures or devices must be utilized to prevent excessive on-site erosion of the C&DLF facility or unit" **Resolved.**

Additional soil cover has been placed on areas with erosion and/or exposed waste. All unvegetated side slopes have been hydroseeded with a mixture of millet and fescue.

**15A NCAC 13B .0542(k)(3)** states that: "Provisions for a vegetative ground cover sufficient to restrain erosion must be accomplished as directed by appropriate state or local agency upon completion of any phase of C&DLF development consistent with Rule .0543(c)(5) of this Section." **Resolved.**

Additional soil cover has been placed on areas with erosion and/or exposed waste. All unvegetated side slopes have been hydroseeded with a mixture of millet and fescue.

**OBSERVED VIOLATIONS**

None.

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

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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 construction and demolition (C&D) debris landfill. The Permit to Construct Phase 3 shall expire October 26, 2015. The Permit to Operate Phases 1 & 2, and Phase 3 (Cells A & B) shall expire July 25, 2016. Per Condition #1 in Part 1 of Attachment 3 of the Permit a permit amendment should be submitted to the SWS no later than March 25, 2016. The facility is permitted to receive C&D waste generated within Wake and Johnston counties.

1. The facility is fenced and is secured by a locking gate when it is not open for operation. The correct signage is at the entrance of the facility listing the facility name, permit number and emergency contact information as well as materials accepted at the facility. The facility accepts waste Monday through Friday from 7:30 am until 4:00 pm.
2. Some edge-of-waste markers have been installed and are being maintained around the eastern and southern sides of the landfill. **Edge of waste markers must be installed and maintained around all areas of the landfill where waste was disposed as a way to delineate areas where ongoing maintenance is required.**
3. The working face should be maintained as in as compact a footprint as feasible. All C&DLF units must cover the solid waste with six inches of earthen material when the waste disposal area exceeds one-half acre and at least once weekly.
4. No waste was observed outside of the working face.



North of LCID where waste was previously observed.

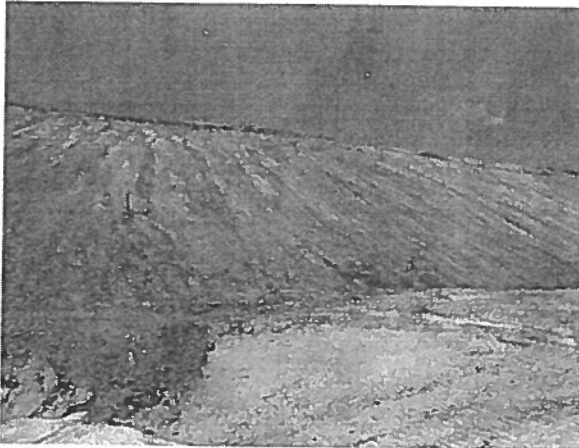


Adjacent to haul road; waste was previously observed.

5. Additional soil cover has been placed on areas with erosion and/or exposed waste. All unvegetated side slopes have been hydroseeded with a mixture of millet, fescue, and other grasses. Please be advised that the requirement for a ground cover sufficient to restrain erosion has not been provided until areas are properly seeded, mulched and anchored.

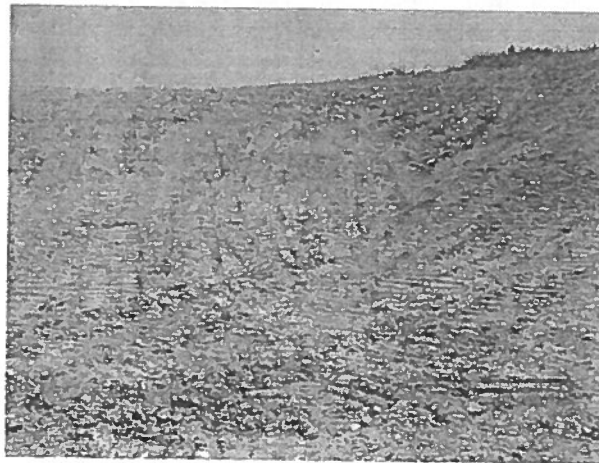
**FACILITY COMPLIANCE INSPECTION REPORT**  
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Slope on South side were seep previously observed.

6. The area on the northern slope with leachate seeps identified during the July 29, 2013 inspection has been regraded and hydroseeded with a mixture of millet and fescue. Please be advised that the requirement for a ground cover sufficient to restrain erosion has not been provided until areas are properly seeded, mulched and anchored.



7. A perimeter road has been established around the entire footprint of the landfill. Facility operations now include a daily check of the entire landfill perimeter for any maintenance issues.
8. Areas of the northern slope are steeper than specified in the approved Facility Operations Plan. **A work plan to address regrading these areas was submitted with the pending Application for Amendment to the Permit and is currently under review.**
9. Wood processing and mulching is occurring in the area designated on the plan drawings. Ensure that positive drainage is maintained at wood waste processing and mulching areas.
10. A leachate seep was observed on the western side of the landfill to the south of the perimeter road during the April 4, 2014 inspection. The leachate flowed into the storm water ditch for a distance of approximately 60 feet. This area of the landfill has been regraded, reworked and hydroseeded.

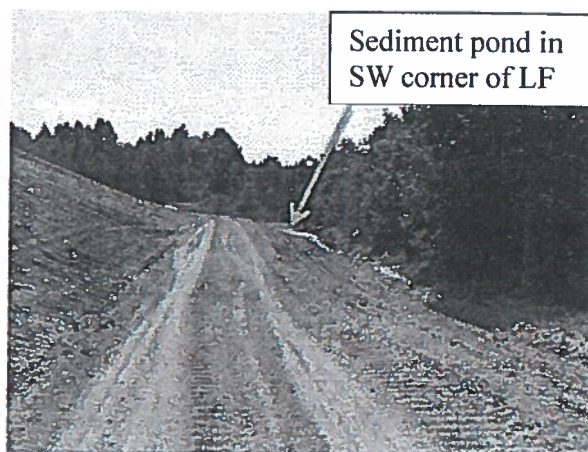


**FACILITY COMPLIANCE INSPECTION REPORT**  
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**Solid Waste Section**

Page 5 of 5



Area of leachate seep has been regraded.



Sediment pond in  
SW corner of LF

Perimeter road has been established.

- A Sampling Plan for Leachate Seeps was submitted to the Section on May 2, 2014 and was approved on May 5, 2014.
  - A summary report (in electronic format) containing the results of the assessment should be submitted to the Solid Waste Section within 30 days of receiving the analytical results from the NC certified laboratory.
11. **Corrective actions are needed as a result of this inspection.**
12. Digital photos were taken during the inspection.

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: June 6, 2014		Email: X		Hand delivery		US Mail		Certified No. <input type="checkbox"/>
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Copies: Michael Scott, Section Chief - Solid Waste Section  
Ellen Lorscheider, Planning and Programs Branch Head - Solid Waste Section  
Dennis Shackelford, Eastern District Supervisor – Solid Waste Section  
Pat Backus, Permitting Engineer – Solid Waste Section  
Jaclynne Drummond, Compliance Hydrogeologist – Solid Waste Section  
Jessica Montie, Compliance Officer – Solid Waste Section



# FACILITY COMPLIANCE INSPECTION REPORT

## Division of Waste Management Solid Waste Section

<b>UNIT TYPE:</b>												
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		<b>COUNTY:</b> Wake <b>PERMIT NO.:</b> 9226-CDLF-2001 <b>FILE TYPE:</b> COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM		
CDLF	<b>X</b>	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

**Date of Site Inspection:** June 6, 2014

**Date of Last Inspection:** May 21, 2014

**FACILITY NAME AND ADDRESS:**

Shotwell C&D Landfill, Inc.  
 4714 Smithfield Road  
 Wendell, NC 27591-8651  
 919-556-1182  
 919-217-0045

**GPS COORDINATES:** N: 35.72417 E: -78.4349

**FACILITY CONTACT NAME AND PHONE NUMBER:**

David King  
 919-427-4104  
[dking@debrisrp.com](mailto:dking@debrisrp.com)

**FACILITY CONTACT ADDRESS:**

Mr. David W. King, President  
 Shotwell Landfill, Inc.  
 3209 Gresham Lake Road, Suite 120  
 Raleigh, NC 27615

**PARTICIPANTS:**

Shawn McKee, NCDENR-Solid Waste Section  
 Dennis Shackelford, NCDENR-Solid Waste Section  
 Pat Backus, NCDENR-Solid Waste Section  
 Matt Horton, Shotwell Landfill, Inc.

**STATUS OF PERMIT:**

PTC, Original Issue, Phase I January 10, 2001  
 PTO, Phase I, Cell 1 April 30, 2001  
 PTO, Modification April 12, 2004  
 PTO, Phase I, additional 1 acre March 30, 2006  
 PTC, Phase II October 16, 2006  
 PTO, Phase II, Cell 1, 2 acre subcell November 8, 2006  
 PTO, Phase II, Cell 1, remaining area June 19, 2007  
 PTO, Phase II, Cell 2 July 18, 2008  
 PTO, Phase II, Cell 3 June 12, 2009  
 PTC, Phase III and PTO (all prior phases/cells): October 25, 2010  
 PTC, Phase 3 amended and PTO (Phase 1-3A): July 25, 2011  
 PTO, Phase 3, Cell B June 15, 2012

**PURPOSE OF SITE VISIT:**

Partial inspection. Follow-up to Notice of Violation issued April 16, 2014.

**FACILITY COMPLIANCE INSPECTION REPORT**  
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**STATUS OF PAST NOTED VIOLATIONS:**

**15A NCAC 13B .0543 (c)(2)(A)** states that: "post-settlement surface slopes must be a minimum of five percent and a maximum of 25 percent;" **Resolved.**

Areas of the northern slope are steeper than specified in the approved Facility Operations Plan. A plan to address regrading these areas is included in the Conditions of Permit to Construct. Part III, Condition 19 states "Areas within the permitted fill areas of Phase 1-3 exceeding 3:1 slopes will be re-graded to not exceed 3:1 slopes within 180 days of receipt of the Permit to Operate Phase 4".

**15A NCAC 13B .0542 (I) (4)** states that: Leachate must be contained on-site or treated prior to discharge. An NPDES permit may be required prior to the discharge of leachate to surface waters.

**15A NCAC 13B .0542 (I) (5)** states that: C&DLF units must not:

- (A) Cause a discharge of pollutants into waters of the United States, including wetlands, that violates any requirements of the Clean Water Act, including the National Pollutant Discharge Elimination System (NPDES) requirements, pursuant to Section 402. **Not Resolved.**

Slopes have been repaired and reworked in all areas previously identified as having leachate seeps. All unvegetated side slopes have been hydroseeded with a mixture of millet and fescue. A Sampling Plan for Leachate Seeps was submitted to the Section on May 2, 2014.

**A summary report (in electronic format) containing the results of the assessment should be submitted to the Solid Waste Section within 30 days of receiving the analytical results from the NC certified laboratory.**

**OBSERVED VIOLATIONS**

None.

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 construction and demolition (C&D) debris landfill. The Permit to Construct Phase 4 was issued June 12, 2014; construction must commence within 18 months of issuance. The Permit to Operate Phases Phase 1, 2, and 3 shall expire July 25, 2021. Per Condition #1 in Part 1 of Attachment 3 of the Permit a permit amendment should be submitted to the SWS no later than January 25, 2021.

1. The facility is permitted to receive C&D waste generated within Wake and Johnston counties.
2. The facility is fenced and is secured by a locking gate when it is not open for operation. The correct signage is at the entrance of the facility listing the facility name, permit number and emergency contact information as well as materials accepted at the facility. The facility accepts waste Monday through Friday from 7:30 am until 4:00 pm.
3. Edge-of-waste markers have been installed and are being maintained around the landfill as required.
4. The working face should be maintained as in as compact a footprint as feasible. All C&DLF units must cover the solid waste with six inches of earthen material when the waste disposal area exceeds one-half acre and at least once weekly. The working face was being maintained at a reasonable size during the inspection.



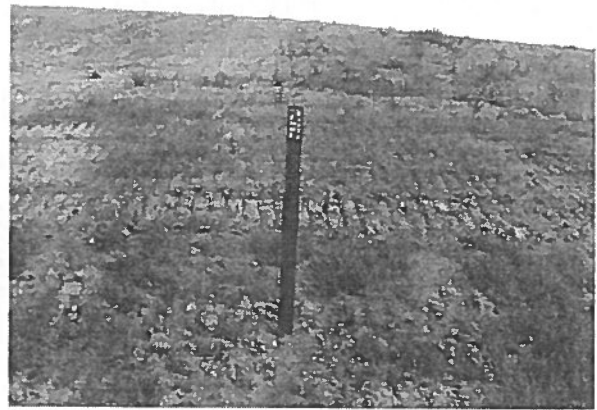
**FACILITY COMPLIANCE INSPECTION REPORT**  
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**Solid Waste Section**

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5. Waste was observed outside of the working face around the adjacent pad. Per 15A NCAC 13B .0542(g)(3), **“At the conclusion of each operating day, all windblown material resulting from the operation must be collected and disposed of...”** Additionally, an area of exposed waste was observed in the slope adjacent to the working face and should be covered immediately.



6. Additional soil cover has been placed on areas with erosion and/or exposed waste. All unvegetated side slopes have been hydroseeded with a mixture of millet, fescue, and other grasses. Please be advised that the requirement for a ground cover sufficient to restrain erosion has not been provided until areas are properly seeded, mulched and anchored.



Slope on South side where seeps were previously observed.

7. A perimeter road has been established around the entire footprint of the landfill. Facility operations now include a daily check of the entire landfill perimeter for any maintenance issues.
8. Areas of the northern slope are steeper than specified in the approved Facility Operations Plan. A plan to address regrading these areas is included in the Conditions of Permit to Construct. Part III, Condition 19 states ***“Areas within the permitted fill areas of Phase 1-3 exceeding 3:1 slopes will be re-graded to not exceed 3:1 slopes within 180 days of receipt of the Permit to Operate Phase 4”.***
9. Wood processing and mulching is occurring in the area designated on the plan drawings. Ensure that positive drainage is maintained at wood waste processing and mulching areas.

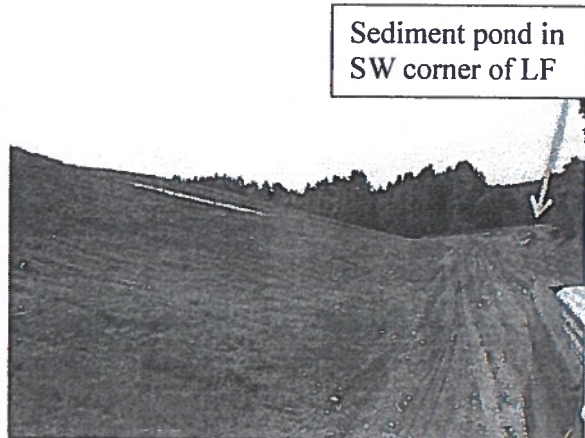
**FACILITY COMPLIANCE INSPECTION REPORT**  
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**Solid Waste Section**

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10. A leachate seep was observed on the western side of the landfill to the south of the perimeter road during the April 4, 2014 inspection. The leachate flowed into the storm water ditch for a distance of approximately 60 feet. This area of the landfill has been regraded, reworked and hydroseeded. Vegetation was beginning to grow at the time of the inspection.



Area of leachate seep has been regraded.



Perimeter road has been established.

11. A Sampling Plan for Leachate Seeps was submitted to the Section on May 2, 2014 and was approved on May 5, 2014. **A summary report (in electronic format) containing the results of the assessment should be submitted to the Solid Waste Section within 30 days of receiving the analytical results from the NC certified laboratory.**
12. Digital photos were taken during the inspection.

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: June 16, 2014		Email: X		Hand delivery		US Mail		Certified No. <input type="checkbox"/>
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Copies: Michael Scott, Section Chief - Solid Waste Section  
Ellen Lorscheider, Planning and Programs Branch Head - Solid Waste Section  
Dennis Shackelford, Eastern District Supervisor – Solid Waste Section  
Pat Backus, Permitting Engineer – Solid Waste Section  
Jaclynne Drummond, Compliance Hydrogeologist – Solid Waste Section  
Jessica Montie, Compliance Officer – Solid Waste Section



# FACILITY COMPLIANCE INSPECTION REPORT

## Division of Waste Management

### Solid Waste Section

<b>UNIT TYPE:</b>										
Lined MSWLF		LCID		YW		Transfer		Compost		<b>COUNTY:</b> Wake <b>PERMIT NO.:</b> 9226-CDLF-2001 <b>FILE TYPE:</b> COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P		
CDLF	X	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		

**Date of Site Inspection:** November 12, 2014

**Date of Last Inspection:** June 6, 2014

**FACILITY NAME AND ADDRESS:**

Shotwell C&D Landfill, Inc.  
 4714 Smithfield Road  
 Wendell, NC 27591-8651  
 919-556-1182  
 919-217-0045

**GPS COORDINATES:** N: 35.72417 E: -78.4349

**FACILITY CONTACT NAME AND PHONE NUMBER:**

David King  
 919-427-4104  
[dking@debrisrp.com](mailto:dking@debrisrp.com)

**FACILITY CONTACT ADDRESS:**

Mr. David W. King, President  
 Shotwell Landfill, Inc.  
 3209 Gresham Lake Road, Suite 120  
 Raleigh, NC 27615

**PARTICIPANTS:**

Shawn McKee, NCDENR-Solid Waste Section  
 Elizabeth Werner, NCDENR-Solid Waste Section  
 Pat Backus, NCDENR-Solid Waste Section  
 Perry Suggs, NCDENR-Solid Waste Section  
 Vance Moore, Garret & Moore  
 Craig Fortner, Garret & Moore

**STATUS OF PERMIT:**

PTC, Original Issue, Phase I - January 10, 2001  
 PTO, Phase I, Cell 1 - April 30, 2001  
 PTO, Modification - April 12, 2004  
 PTO, Phase I, additional 1 acre - March 30, 2006  
 PTC, Phase II - October 16, 2006  
 PTO, Phase II, Cell 1, 2 acre subcell - November 8, 2006  
 PTO, Phase II, Cell 1, remaining area - June 19, 2007  
 PTO, Phase II, Cell 2 - July 18, 2008  
 PTO, Phase II, Cell 3 - June 12, 2009  
 PTC, Phase III and PTO (all prior phases/cells) - October 25, 2010  
 PTC, Phase 3 amended and PTO (Phase 1-3A) - July 25, 2011  
 PTO, Phase 3, Cell B - June 15, 2012  
 PTC, Phase 4, PTO Phases 1,2,3 - June 12, 2014

**FACILITY COMPLIANCE INSPECTION REPORT**  
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**Solid Waste Section**

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**PURPOSE OF SITE VISIT:**

Partial inspection and pre-operations meeting for Permit to Operate Phase 4.

**STATUS OF PAST NOTED VIOLATIONS:**

**15A NCAC 13B .0542 (I) (4)** states that: Leachate must be contained on-site or treated prior to discharge. An NPDES permit may be required prior to the discharge of leachate to surface waters.

**15A NCAC 13B .0542 (I) (5)** states that: C&DLF units must not:

- (A) Cause a discharge of pollutants into waters of the United States, including wetlands, that violates any requirements of the Clean Water Act, including the National Pollutant Discharge Elimination System (NPDES) requirements, pursuant to Section 402. **Resolved.**

Slopes have been repaired and reworked in all areas previously identified as having leachate seeps. Unvegetated side slopes were hydroseeded with a mixture of millet and fescue in spring 2014. A Sampling Plan for Leachate Seeps was submitted to the Section on May 2, 2014. Subsurface soil sampling was conducted on May 9, 2014 to evaluate the extent of the potential environmental impacts from the releases at the facility. Per the July 10, 2014 letter, from the Solid Waste Section to David King, no volatile organic compounds that exceeded the Preliminary Soil Remediation Goals were detected as a result of this sampling and therefor no additional environmental assessment associated with these leachate releases is required at this time.

**OBSERVED VIOLATIONS**

None.

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 also 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 construction and demolition (C&D) debris landfill. The Permit to Construct Phase 4 was issued June 12, 2014. The Permit to Operate Phases Phase 1, 2, and 3 shall expire July 25, 2021. Construction of Phase 4A is complete. Per Condition #1 in Part 1 of Attachment 3 of the Permit a permit amendment should be submitted to the SWS no later than January 25, 2021.

1. The facility is permitted to receive C&D waste generated within Wake and Johnston counties.
2. The facility is fenced and is secured by a locking gate when it is not open for operation. The correct signage is at the entrance of the facility listing the facility name, permit number and emergency contact information as well as materials accepted at the facility. The facility accepts waste Monday through Friday from 7:30 am until 4:00 pm.
3. The working face should be maintained as in as compact a footprint as feasible. **All C&DLF units must cover the solid waste with six inches of earthen material when the waste disposal area exceeds one-half acre and at least once weekly.**
4. A perimeter road has been established around the entire footprint of the landfill. Facility operations now include a daily check of the entire landfill perimeter for any maintenance issues. The perimeter road is being well maintained.



**FACILITY COMPLIANCE INSPECTION REPORT**  
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5. Edge-of-waste markers have been installed and are being maintained around the landfill as required. **Edge-of-waste markers need to be installed around the newly completed cell.**
6. All monitoring wells must be constructed and maintained in accordance with 15A NCAC 02C .0108. **A permanent well tag should be affixed to MW-8.**



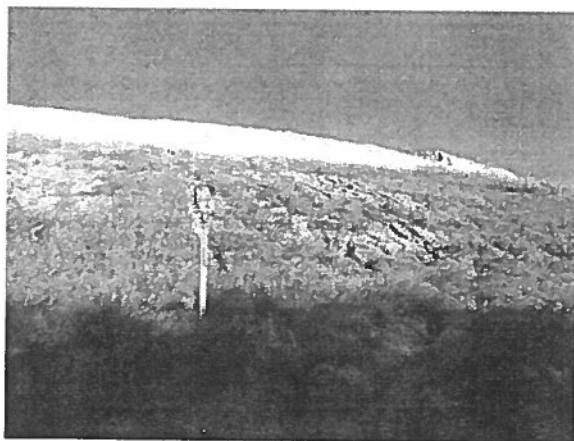
Recently constructed Phase 4A



MW-8 – needs permanent well tag.

7. Erosion rills were observed on the south side of the landfill. Preparations for final closure are underway for the southwest corner of the landfill. **Erosion should be monitored and controlled during this process until the final cover is placed.**

Side slopes which were hydroseeded with a mixture of millet, fescue, and other grasses last spring have bare spots and need additional ground cover. **Please be advised that the requirement for a ground cover sufficient to restrain erosion has not been provided until areas are properly seeded, mulched and anchored.**



Erosion on southern side of landfill



Erosion and silt in stormwater pond

Slope on South side where seeps were previously observed.

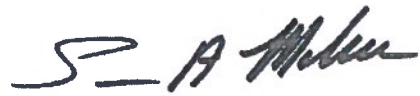
8. Areas of the northern slope are steeper than specified in the approved Facility Operations Plan. A plan to address regrading these areas is included in the Conditions of Permit to Construct. Part III, Condition 19 states *"Areas within the permitted fill areas of Phase 1-3 exceeding 3:1 slopes will be re-graded to not exceed 3:1 slopes within 180 days of receipt of the Permit to Operate Phase 4".*

**FACILITY COMPLIANCE INSPECTION REPORT**  
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9. Wood processing and mulching is occurring in the area designated on the plan drawings. Ensure that positive drainage is maintained at wood waste processing and mulching areas.
10. Digital photos were taken during the inspection.

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: November 13, 2014		Email: X		Hand delivery:		US Mail:		Certified No. <input type="checkbox"/>
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Copies: Ellen Lorscheider, Planning and Programs Branch Head - Solid Waste Section  
Dennis Shackelford, Eastern District Supervisor – Solid Waste Section  
Pat Backus, Permitting Engineer – Solid Waste Section  
Jessica Montie, Compliance Officer – Solid Waste Section





# FACILITY COMPLIANCE INSPECTION REPORT

## Division of Waste Management

### Solid Waste Section

<b>UNIT TYPE:</b>										<b>COUNTY:</b> Wake <b>PERMIT NO.:</b> 9226-CDLF-2001 <b>FILE TYPE:</b> COMPLIANCE	
Lined MSWLF		LCID		YW		Transfer		Compost			SLAS
Closed MSWLF		HHW		White goods		Incin		T&P			FIRM
CDLF	<input checked="" type="checkbox"/>	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO			SDTF

**Date of Site Inspection:** July 7, 2015

**Date of Last Inspection:** November 12, 2014

**FACILITY NAME AND ADDRESS:**

Shotwell C&D Landfill, Inc.  
 4714 Smithfield Road  
 Wendell, NC 27591-8651  
 919-556-1182  
 919-217-0045

**GPS COORDINATES:** N: 35.72417 E: -78.4349

**FACILITY CONTACT NAME AND PHONE NUMBER:**

David King  
 919-427-4104  
[dking@debrisrp.com](mailto:dking@debrisrp.com)

**FACILITY CONTACT ADDRESS:**

Mr. David W. King, President  
 Shotwell Landfill, Inc.  
 3209 Gresham Lake Road, Suite 120  
 Raleigh, NC 27615

**PARTICIPANTS:**

Liz Patterson, NCDENR-Solid Waste Section  
 Dennis Shackelford, NCDENR-Solid Waste Section  
 Pat Backus, NCDENR-Solid Waste Section  
 David King, Shotwell Landfill, Inc.  
 Nellie Basnett, Shotwell Landfill, Inc.

**STATUS OF PERMIT:**

PTC, Original Issue, Phase I - January 10, 2001  
 PTO, Phase I, Cell 1 - April 30, 2001  
 PTO, Modification - April 12, 2004  
 PTO, Phase I, additional 1 acre - March 30, 2006  
 PTC, Phase II - October 16, 2006  
 PTO, Phase II, Cell 1, 2 acre subcell - November 8, 2006  
 PTO, Phase II, Cell 1, remaining area - June 19, 2007  
 PTO, Phase II, Cell 2 - July 18, 2008  
 PTO, Phase II, Cell 3 - June 12, 2009  
 PTC, Phase III and PTO (all prior phases/cells) - October 26, 2010  
 PTC, Phase 3 amended and PTO (Phase 1-3A) - July 25, 2011  
 PTO, Phase 3, Cell B - June 15, 2012  
 PTO, Phase 3, Cell C - April 1, 2013  
 PTC, Phase 4, PTO Phases 1,2,3 - June 12, 2014

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

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**STATUS OF PERMIT(Cont.):**

PTC – Phase 4B, PTO – Phases 1,2, and 3 and 4A – April 24, 2015  
PTO, Phases 1,2,3, and 4 – July 9, 2015

**PURPOSE OF SITE VISIT:**

Partial Facility Compliance Inspection

**STATUS OF PAST NOTED VIOLATIONS:**

None applicable

**OBSERVED VIOLATIONS**

None.

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 also 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 construction and demolition (C&D) debris landfill. The Permit to Operate Phases 1, 2, 3 and 4 was issued July 9, 2015 and shall expire July 25, 2021. Construction of Phase 4A is complete. Per Condition #13 in Part III of Attachment 3 of the Permit a permit amendment should be submitted to the SWS no later than January 25, 2021.

1. The facility is permitted to receive C&D waste generated within Wake and Johnston counties.
2. The facility is approved to accept 91,250 tons per year or approximately 250 tons per day, based on 365 operating days per year, in accordance with the approved franchise granted by Wake County.
3. The facility is fenced and is secured by a locking gate when it is not open for operation. The correct signage is at the entrance of the facility listing the facility name, permit number and emergency contact information as well as materials accepted at the facility. The facility accepts waste Monday through Friday from 7:30 am until 4:00 pm.
4. The Certified Landfill Operators as follows:

Nellie J. Basnett	Expires February 28, 2018
Terry Basnett	Expires February 8, 2017
5. Waste screening records and daily cover logs reviewed and well maintained.
6. Groundwater and gas monitoring being done by Elm Site Solutions, Inc. The June 2014 and December 2014 reports emailed to Liz Patterson from Rusty Norris, PE, PLS, RSM with Elm Site Solutions. **Per condition #35, in Part III of Attachment III of the Permit the permittee must, maintain a record of all monitoring events and analytical data in their operating record.**
7. The working face was appropriately sized for the expected waste. The exposed area was less than ½ acre and appears that it is being covered at least once weekly.
8. A perimeter road has been established around the entire footprint of the landfill. Facility operations now include a daily check of the entire landfill perimeter for any maintenance issues including locks on monitoring wells. The perimeter road is being well maintained. Excellent job!

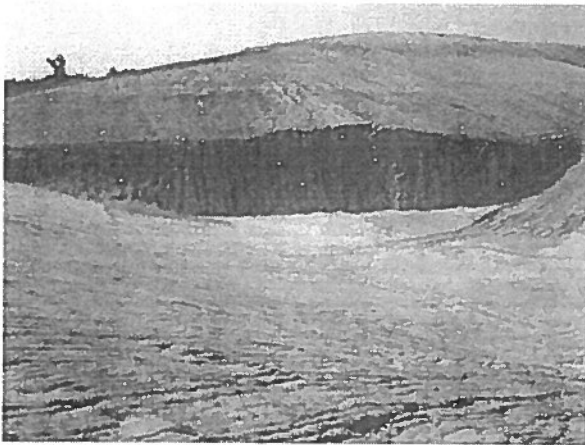
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**Solid Waste Section**

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9. Edge-of-waste markers have been installed and are being maintained around the landfill as required.



Working face of landfill

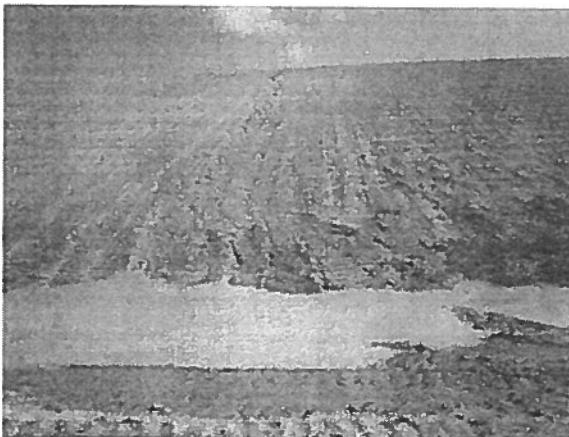


Construction of Phase 4B



Be sure no waste gets in surface waters

10. Preparations for final closure are underway for the southwest corner of the landfill. **Erosion should be monitored and controlled during this process until the final cover is placed.**



Southern side of landfill

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 4 of 4

11. I would strongly recommend taking advantage of the summer planting season. The seeding schedule and associated dates should be reviewed prior to seeding activities beginning.
12. Wood processing and mulching is occurring in the area designated on the plan drawings. Ensure that positive drainage is maintained at wood waste processing and mulching areas.
13. Digital photos were taken during the inspection.

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



Digitally signed by Liz Patterson  
DN: cn=Liz Patterson, o=Solid  
Waste Section, ou=Division of  
Waste Management,  
email=elizabeth.patterson@ncde  
nr.gov, c=US  
Date: 2015.07.17 15:16:04 -04'00'

Phone: 919-707-8286

Liz Patterson  
Environmental Senior Specialist  
*Regional Representative*

Sent on: 7-17-2015	<input checked="" type="checkbox"/>	Email	<input type="checkbox"/>	Hand delivery	<input type="checkbox"/>	US Mail	<input type="checkbox"/>	Certified No. <input type="checkbox"/>
--------------------	-------------------------------------	-------	--------------------------	---------------	--------------------------	---------	--------------------------	--

Copies: Dennis Shackelford, Eastern District Supervisor – Solid Waste Section  
Pat Backus, Permitting Engineer – Solid Waste Section  
Jaclynne Drummond, Compliance Hydrogeologist – Solid Waste Section  
Jessica Montie, Compliance Officer – Solid Waste Section

<b>Convenience Center Program</b>		
<b>FEMA Event</b>		
<b>FEMA Number</b>		
<b>Load Ticket</b>		
Ticket No. 07 _____	Prime Contractor: Waste Industries , LLC	
<b>Truck Information</b>		
Truck No. _____	Tonnage - contract _____	
Truck Driver Name _____	Truck Driver Signature _____	
<b>Loading Roll-Off Container Information</b>		
Roll-Off Container No. _____		
Truck Driver Name _____	Truck Driver Signature _____	
<b>Loading Information</b>		
Time _____	Date _____	
Site Attendant Name _____		
Site Attendant Signature _____		
Location: Convenience Center Site # 7 9024 Deponie Drive Raleigh, NC 27614		
<b>Temporary Staging Area (Prior to Final Disposal)</b>		
<b>Name</b>		<b>Location</b>
CC #1 - 10505 Old Stage Road		CC #7 - 9008 Deponie Drive
CC #2 - 6025 Old Smithfield Road		CC #8 - 2001 Durham Rd/Hwy 98
CC #3 - 266 Aviation Parkway		CC #9 - 3337 New Hill-Holleman Road
CC #4 - 3600 Yates Mill Pond Road		CC #10 - 5216 Knightdale-Eagle Rock Road
CC #5 - 8401 Battle Bridge Road		CC #11 - 5051 Wendell Boulevard
CC #6 - 3913 Lillie Liles Road		Waste Industries - Garner Branch
CC #7 - 9008 Deponie Drive		Other (Describe) _____
<b>Unloading Information</b>		
<b>Material Classification</b>		<b>Weight Ticket Reference #</b>
Cardboard		
Commingled		
Construction/Demolition Debris		
MSW (Trash)		
Scrap Metal		
Vegetative Debris		
Other (Describe)		
Time _____		Date _____
<b>Final Disposal Facility</b>		
<b>Name</b>		<b>Location</b>
Hwy 55 C&D Landfill	5940 Old Smithfield Road	
Red Rock Disposal	7130 New Landfill Drive	
TT&E Iron and Metal	1529 West Garner Road	
Waste Industries - Recycle America	1815 Capital Boulevard	
WCA Raleigh Reclamation	421 Raleigh View Road	
WCA Transfer Station	9220 Durant Road	
Other (Name)		
<b>Unloading Roll-Off Container Information</b>		
Roll-Off Container No. _____		
Truck Driver Name _____	Truck Driver Signature _____	





Tab 8-

A copy of the five most recent reports submitted to N.C. DEQ reporting the total annual tonnage received at the C&D landfill and the geographic origin of the tonnage, per County Code § 50.22(D)(10)

County Code	County Name	Year	Total Annual Tonnage	Geographic Origin
001	Albemarle	2018	12,500	Local
002	Alamance	2018	8,750	Local
003	Ashe	2018	5,000	Local
004	Avery	2018	3,000	Local
005	Beaufort	2018	2,000	Local
006	Bertie	2018	1,500	Local
007	Bethlehem	2018	1,000	Local
008	Bladen	2018	1,000	Local
009	Boone	2018	1,000	Local
010	Burke	2018	1,000	Local
011	Cabarrus	2018	1,000	Local
012	Caldwell	2018	1,000	Local
013	Camden	2018	1,000	Local
014	Carteret	2018	1,000	Local
015	Catawba	2018	1,000	Local
016	Catawba	2018	1,000	Local
017	Catawba	2018	1,000	Local
018	Catawba	2018	1,000	Local
019	Catawba	2018	1,000	Local
020	Catawba	2018	1,000	Local

**CONSTRUCTION & DEMOLITION WASTE  
LANDFILL**  
Facility Annual Report  
For the period of July 1, 2010-June 30, 2011

According to (G.S. 130A-309.09D(b)) completed forms must be returned by August 1, 2011 and a copy of this report must be sent to the County Manager of each county from which waste was received. If you have questions or require assistance in completing this report, contact our Regional Environmental Senior Specialist.

Facility Name: Shotwell Landfill, Inc. Permit: 9226-CDLF-2001 ID: P0984

Facility Website (URL): None

Original Address		Mailing Address	
Street 1: 4724 Smithfield Road		Street 1: 225 Weathers Street	
Street 2:		Street 2: Suite 111	
City: Wendell	County: Wake	City: Youngsville	
State: North Carolina	Zip: 27591	State: North Carolina	Zip: 27596

Facility Contact Person		Billing Contact Person	
Name: John Brown		Name: David Cook	
Phone: (919) 795-0599	Fax: (919) 556-0448	Phone: (919) 556-2785	Fax: (919) 556-0448
Email: jbrown@debrisrp.com		Email: dcook@debrisrp.com	

Tipping Fee: \$31.50 per Ton (Attach a schedule of tipping fees if appropriate.)

Does the tip fee above include the \$2.00 Solid Waste Tax? ☒ Yes ☐ No

What other activities occur at this facility? (check all that apply)

☒ Recycling/Reuse Collection ☐ Scrap Tire Collection ☐ White Goods Collection ☐ Household Hazardous Waste Collection

If you checked Recycling/Reuse Collection, please indicate the materials accepted and amount collected: (check all that apply)

☐ Paper \_\_\_\_\_ tons ☐ Fluorescent lightbulbs \_\_\_\_\_ tons ☐ Used oil/oil filters \_\_\_\_\_ tons ☐ Steel Cans \_\_\_\_\_ tons  
☐ Cardboard \_\_\_\_\_ tons ☐ PETE (#1) Plastic \_\_\_\_\_ tons ☐ Aluminum Cans \_\_\_\_\_ tons ☒ Other Metal 45.83 tons  
☒ Wood 13,767.3 tons ☐ HDPE (#2) Plastic \_\_\_\_\_ tons ☐ Computer Equipment \_\_\_\_\_ tons ☐ Televisions \_\_\_\_\_ tons  
☒ Glass 61.18 tons ☒ Concrete/rubble/asphalt 4,982.96 tons ☐ Gypsum/drywall \_\_\_\_\_ tons ☐ Other Plastic \_\_\_\_\_ tons  
☒ Other (specify) Road Base 3,536.02 tons, Mixed Cover 393.45 tons, Dirt 12.12 tons

**Airspace (Capacity):** Questions in this section relate to all cells/units of the C&D facility operated under the current 4-digit permit number regardless of whether the cells/units are closed or are not contiguous at the time of this report. Tonnage questions must be based on scale records and cover the period between the opening date and the date of the last survey unless another time period is approved. Airspace measurements include weekly, intermediate and final cover.

4. Date Facility Last Surveyed: 4/27/11  
 5. Airspace Used (cubic yards): 937,993  
 6. Total Tons Disposed in Airspace Used (tons): 538,057

Did your facility stop receiving waste during this past Fiscal Year? ☐ Yes ☒ No

If so, please report the date this occurred: \_\_\_\_\_

8. Total waste landfilled at this facility during the period of July 1, 2010, through June 30, 2011. Indicate **tonnage** received by COUNTY of waste origin. If waste was received from a transfer station, indicate the COUNTY LOCATION OF THE TRANSFER STATION. Do not include waste diverted for recycling, reuse, mulching, or composting. Please indicate COUNTY and STATE, if received from another state.

[illegible]

Grand Total	121,086.98
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**yes, indicate the following:**

1. Comments, suggestions or notes:

By LETTER. According to GRS 116A-302.09(1)(b), this report must be sent to the Regional Environmental Science Center for your area and a copy of the report must be sent to the County Engineer of each county from which waste is received.

Jason Watkins  
585 Waughtown Street  
Winston-Salem, NC 27107-2275  
phone: 336.771.5092 email: Jason.Watkins@ncdenr.gov

Signature: **David Cook**

Date: Jul 29, 2011

92-56-0000-1000



Facility Name: Shotwell Landfill, Inc.Permit: 9226-CDLF-2001Address: 4724 Smithfield RoadCity: WendellState: North CarolinaZip: 27591Person completing Assessment: David Cook, CFODate: Jul 29, 2011Phone Number: (919) 556-2785Fax: (919) 556-0448Email: dcook@debrisrp.com

Please indicate either *Yes* or *No* for each Receptor and Post Closure Maintenance question. Then please determine the distance or distances for each Receptor from the *Edge of Waste* (using range finders and/or GIS maps) and type that information into the form. Please attach additional information including GIS maps, lists of potable well locations, etc.

**Receptors**

1. Are there Residential Dwellings Within 1,500 feet of the Edge of Waste?

☒ Yes☐ NoIf Yes, how many? 4What are the three closest distances from the *Edge of Waste*? 1070 Feet 1105 Feet 1240 Feet

2. Are there Potable Wells Within 1,500 feet of the Edge of Waste?

☒ Yes☐ NoIf Yes, how many? 3 potable & 1 non-potableWhat are the three closest distances from the *Edge of Waste*? 1070 Feet 1105 Feet 1240 Feet

3. Are there Community/Municipal Wells Within 1,500 feet of the Edge of Waste?

☐ Yes☒ No

If Yes, how many? \_\_\_\_\_

What are the three closest distances from the *Edge of Waste*? \_\_\_\_\_ Feet \_\_\_\_\_ Feet \_\_\_\_\_ Feet

4. Are there Surface Water Bodies Within 1,500 feet of the Edge of Waste?

☒ Yes☐ NoIf Yes, how many? 3What are the three closest distances from the *Edge of Waste*? 110 Feet 265 Feet 1220 Feet

Please list the names of the water bodies: \_\_\_\_\_

5. Is Public Water Available Within 1,500 feet of the Edge of Waste?

☐ Yes☒ No

If Yes, how many of the Residential Dwellings noted above are connected? \_\_\_\_\_

**Corrective Measures**

6. Is there an active methane extraction system (blower, flare, etc.)?

☐ Yes☒ No

7. Is there a passive methane extraction system (trench, vents in cap, flare, etc.)?

☐ Yes☒ No

8. Is there groundwater remediation taking place on site?

☐ Yes☒ No

If Yes, what is the specific remedial technology used? \_\_\_\_\_

**Comments**

Q3: We are not aware of any community/municipal wells.  
Q5: We are not aware of any public water available.

**C&D****CONSTRUCTION & DEMOLITION WASTE  
LANDFILL****Facility Annual Report****For the period of July 1, 2011-June 30, 2012**

According to (G.S. 130A-309.09D(b)) completed forms must be returned by August 1, 2012 and a copy of this report must be sent to the County Manager of each county from which waste was received. If you have questions or require assistance in completing this report, contact your Regional Environmental Senior Specialist.

Facility Name: Shotwell Landfill Inc.Permit: 9226-CDLF-2001ID: P0984

Facility Website (URL): \_\_\_\_\_

Street 1: 4724 Smithfield Road

Street 2: \_\_\_\_\_

City: WendellCounty: WakeState: North CarolinaZip: 27591Street 1: 3209-120 Gresham Lake Road

Street 2: \_\_\_\_\_

City: RaleighState: North CarolinaZip: 27615Name: John BrownPhone: (919) 795-0599Fax: (919) 876-6203Email: jbrown@debrisrp.comName: Katie KessingPhone: (919) 876-8485Fax: (919) 876-6203Email: kkessing@debrisrp.com

1. Tipping Fee: \$31.50 \_\_\_\_\_ per Ton (Attach a schedule of tipping fees if appropriate.)

2. Does the tip fee above include the \$2.00 Solid Waste Tax? ☒ Yes ☐ No

3. What other activities occur at this facility? (check all that apply)

☒ Recycling/Reuse Collection ☐ Scrap Tire Collection ☐ White Goods Collection ☐ Household Hazardous Waste Collection

If you checked Recycling/Reuse Collection, please indicate the materials accepted and amount collected: (check all that apply and provide tonnages)

<input type="checkbox"/> Paper _____ tons	<input type="checkbox"/> Fluorescent lightbulbs _____ tons	<input type="checkbox"/> Used oil/oil filters _____ tons	<input type="checkbox"/> Steel Cans _____ tons
<input type="checkbox"/> Cardboard _____ tons	<input type="checkbox"/> PETE (#1) Plastic _____ tons	<input type="checkbox"/> Aluminum Cans _____ tons	<input checked="" type="checkbox"/> Other Metal <u>84.49</u> tons
<input checked="" type="checkbox"/> Wood <u>14,428</u> tons	<input type="checkbox"/> HDPE (#2) Plastic _____ tons	<input type="checkbox"/> Computer Equipment _____ tons	<input type="checkbox"/> Televisions _____ tons
<input checked="" type="checkbox"/> Glass <u>3,699.69</u> tons	<input checked="" type="checkbox"/> Concrete/rubble/asphalt <u>7,287</u> tons	<input type="checkbox"/> Gypsum/drywall _____ tons	<input type="checkbox"/> Other Plastic _____ tons
<input type="checkbox"/> Shingles _____ tons	<input checked="" type="checkbox"/> Other (specify) <u>Mixed concrete aggregates 11,956 Tons</u>		

**Airspace (Capacity):** Questions in this section relate to all cells/units of the C&D facility operated under the current 4-digit permit number regardless of whether the cells/units are closed or are not contiguous at the time of this report. Tonnage questions must be based on scale records and cover the period between the opening date and the date of the last survey unless another time period is approved. Airspace measurements include weekly, intermediate and final cover.

4. Date Facility Last Surveyed: May 4, 20125. Airspace Used (cubic yards): 1,105,302.96. Total Tons Disposed in  
Airspace Used (tons): 633,895.83

7. Did your facility stop receiving waste during this past Fiscal Year?

☐ Yes ☒ No

If so, please report the date this occurred: \_\_\_\_\_



[illegible]

**SECRET**

Are there SWANA or other certified operator(s) at this facility? ☒ Yes ☐ No  
If yes, indicate the following:

Name: <u>Nellie J. Basnett</u>	Certification type and expiration date: <u>SWANA Landfill Operations Specialist - 2/28/15</u>
Name: <u>Terry L. Basnett</u>	Certification type and expiration date: <u>SWANA Landfill Operations Specialist - 2/08/14</u>
Name: _____	Certification type and expiration date: _____
Name: _____	Certification type and expiration date: _____
Name: _____	Certification type and expiration date: _____

10. Comments, suggestions or notes:

Please return your completed report to:

Shawn McKee  
46 Mail Service Center  
Raleigh, NC 27699-1646  
Phone: 919.707.8284 email: Shawn.McKee@ncdenr.gov

DE  accurate representation of the activity at this facility.

Signature: Katie Kessing Digitally signed by Katie Kessing  
DN: cn=Katie Kessing, o=Debris Removal, email=kessing@debris.com, c=US  
Date: 2012.07.31 15:43:42Z Date: 7/31/2012

Name: Katie L. Kessing Title: Manager

Phone Number: (919) 876-8485 Email: kkessing@debris.com

Facility Name: Shotwell Landfill Inc.

Permit: 9226-CDLF-2001

Address: 4724 Smithfield Road

City: Wendell

State: North Carolina

Zip: 27591

Person completing Assessment: Katie L. Kessing

Date: \_\_\_\_\_

Phone Number: (919) 876-8485

Fax: (919) 876-6203

Email: kkessing@debrisrp.com

Please indicate either Yes or No for each Receptor and Post Closure Maintenance question. Then please determine the distance or distances for each Receptor from the *Edge of Waste* (using range finders and/or GIS maps) and type that information into the form. Please attach additional information including GIS maps, lists of potable well locations, etc.

### Receptors

1. Are there Residential Dwellings Within 1,500 feet of the Edge of Waste?

☒ Yes

☐ No

If Yes, how many? 4

What are the three closest distances from the *Edge of Waste*? 1070 Feet 1105 Feet 1240 Feet

2. Are there Potable Wells Within 1,500 feet of the Edge of Waste?

☒ Yes

☐ No

If Yes, how many? 3 potable & 1 non-potable

What are the three closest distances from the *Edge of Waste*? 1070 Feet 1105 Feet 1240 Feet

3. Are there Community/Municipal Wells Within 1,500 feet of the Edge of Waste?

☐ Yes

☒ No

If Yes, how many? \_\_\_\_\_

What are the three closest distances from the *Edge of Waste*? \_\_\_\_\_ Feet \_\_\_\_\_ Feet \_\_\_\_\_ Feet

4. Are there Surface Water Bodies Within 1,500 feet of the Edge of Waste?

☒ Yes

☐ No

If Yes, how many? 3

What are the three closest distances from the *Edge of Waste*? 110 Feet 265 Feet 1220 Feet

Please list the names of the water bodies: \_\_\_\_\_

5. Is Public Water Available Within 1,500 feet of the Edge of Waste?

☐ Yes

☒ No

If Yes, how many of the Residential Dwellings noted above are connected? \_\_\_\_\_

### Corrective Measures

6. Is there an active methane extraction system (blower, flare, etc.)?

☐ Yes

☒ No

7. Is there a passive methane extraction system (trench, vents in cap, flare, etc.)?

☐ Yes

☒ No

8. Is there groundwater remediation taking place on site?

☐ Yes

☒ No

If Yes, what is the specific remedial technology used? \_\_\_\_\_

### Comments

Q3: We are not aware of any community/municipal wells.

Q5: We are not aware of any public water available.

According to (G.S. 130A-309.09D(b)) completed forms must be returned by August 1, 2013 and a copy of this report must be sent to the County Manager of each county from which waste was received. If you have questions or require assistance in completing this report, contact your Regional Environmental Senior Specialist.

Facility Name: Shotwell Landfill, Inc.

Permit: 9226-CDLF-2001

Facility Website (URL): None

Physical Address	Mailing Address
Street 1: 4724 Smithfield Road	Street 1: 3209-120 Gresham Lake Road
Street 2:	Street 2:
City: Wendell County: Wake	City: Raleigh
State: North Carolina Zip: 27591	State: North Carolina Zip: 27615
Facility Contact Person	Mailing Contact Person
Name: Katie Kessing	Name: Katie Kessing
Phone: (919) 876-8485 Fax: (919) 876-6203	Phone: (919) 876-8485 Fax: (919) 876-6203
Email: kkessing@debrisrp.com	Email: kkessing@debrisrp.com

Tipping Fee: \$33.50 per Ton (Attach a schedule of tipping fees if appropriate.)

Does the tip fee above include the \$2.00 Solid Waste Tax? ☒ Yes ☐ No

What other activities occur at this facility? (check all that apply)

☒ Recycling/Reuse Collection  
 ☐ Scrap Tire Collection  
 ☐ White Goods Collection  
 ☐ Household Hazardous Waste Collection

If you checked Recycling/Reuse Collection, please indicate the materials accepted and amount collected: (check all that apply and provide tonnages)

☐ Paper   tons  
 ☐ Fluorescent lightbulbs   tons  
 ☐ Used oil/oil filters   tons  
 ☐ Steel Cans   tons  
 ☐ Cardboard   tons  
 ☐ PETE (#1) Plastic   tons  
 ☐ Aluminum Cans   tons  
 ☒ Other Metal   98.37 tons  
 ☒ Wood   31,300 tons  
 ☐ HDPE (#2) Plastic   tons  
 ☐ Computer Equipment   tons  
 ☐ Televisions   tons  
 ☒ Glass   7,850 tons  
 ☒ Concrete/rubble/asphalt   2,450 tons  
 ☐ Gypsum/drywall   tons  
 ☐ Other Plastic   tons  
 ☐ Shingles   tons  
 ☒ Other (specify)   Mixed aggregates 23,050 Tons

Airspace (Capacity): Questions in this section relate to all cells/units of the C&D facility operated under the current 4-digit permit number regardless of whether the cells/units are closed or are not contiguous at the time of this report. Tonnage questions must be based on scale records and cover the period between the opening date and the date of the last survey unless another time period is approved. Airspace measurements include weekly, intermediate and final cover.

4. Date Facility Last Surveyed: 06/06/2013

5. Airspace Used (cubic yards): 1,245,303

6. Total Tons Disposed in Airspace Used (tons): 725,105.82

Did your facility stop receiving waste during this past Fiscal Year? ☐ Yes ☒ No

If so, please report the date this occurred:



If yes, indicate the following:

Name: Terry Basnett Certification type and expiration date: SWANA Landfill Operations Specialist - Exp. 2/08/14

Name: \_\_\_\_\_ Certification type and expiration date: \_\_\_\_\_

Name: \_\_\_\_\_ Certification type and expiration date: \_\_\_\_\_

10. Comments, suggestions or notes:

RE: WILFRED R. AUSTIN, JR. (U.S. 100-349390-10). His  
representative, he said, the "General" International Secret  
brought to the witness and a copy of this letter must be  
sent to the Commission and kept of such copies, from which  
nothing was to be used.

Shawn McKee  
1646 Mail Service Center  
Raleigh, NC 27699-1646  
phone: 919.707.8284 email: Shawn.McKee@ncdenr.gov

Signature: Katie Kessing

Digitally signed by Karin Kessing  
DN: cn=Karin Kessing, o=Shorewell Landfill, Inc., ou=Accounting, email=k.kessing@shorewell.com, c=US  
Date: 2013.05.01 12:18:31 -0700

Date: Aug 1, 2013

**Title:** Business Manager

Email: [kkessing@debrisrp.com](mailto:kkessing@debrisrp.com)

Facility Name: Shotwell Landfill, Inc.

Permit: 9226-CDLF-2001

Address: 4724 Smithfield Road

ity: Wendell

State: North Carolina

Zip: 27591

Person completing Assessment: Katie Kessing

Date: Jul 16, 2013

Phone Number: (919) 876-8485

Fax: (919) 876-6203

Email: [kkessing@debrisrp.com](mailto:kkessing@debrisrp.com)

Please indicate either *Yes* or *No* for each Receptor and Post Closure Maintenance question. Then please determine the distance or distances for each Receptor from the *Edge of Waste* (using range finders and/or GIS maps) and type that information into the form. Please attach additional information including GIS maps, lists of potable well locations, etc.

## receptors

1. Are there Residential Dwellings Within 1,500 feet of the Edge of Waste? ☒ Yes ☐ No  
If Yes, how many? 4  
What are the three closest distances from the *Edge of Waste*? 1070 Feet 1105 Feet 1240 Feet
2. Are there Potable Wells Within 1,500 feet of the Edge of Waste? ☒ Yes ☐ No  
If Yes, how many? 3 potable & 1 non-potable  
What are the three closest distances from the *Edge of Waste*? 1070 Feet 1105 Feet 1240 Feet
3. Are there Community/Municipal Wells Within 1,500 feet of the Edge of Waste? ☐ Yes ☒ No  
If Yes, how many? \_\_\_\_\_  
What are the three closest distances from the *Edge of Waste*? \_\_\_\_\_ Feet \_\_\_\_\_ Feet \_\_\_\_\_ Feet
4. Are there Surface Water Bodies Within 1,500 feet of the Edge of Waste? ☐ Yes ☐ No  
If Yes, how many? 3  
What are the three closest distances from the *Edge of Waste*? 110 Feet 265 Feet 1220 Feet  
Please list the names of the water bodies: \_\_\_\_\_
5. Is Public Water Available Within 1,500 feet of the Edge of Waste? ☐ Yes ☒ No  
If Yes, how many of the Residential Dwellings noted above are connected? \_\_\_\_\_

## Corrective Measures

6. Is there an active methane extraction system (blower, flare, etc.)? ☐ Yes ☒ No
7. Is there a passive methane extraction system (trench, vents in cap, flare, etc.)? ☐ Yes ☒ No
8. Is there groundwater remediation taking place on site? ☐ Yes ☒ No
- If Yes, what is the specific remedial technology used?

## Comments

Q3: We are not aware of any community/municipal wells.

Q5: We are not aware of any public water available.



C&amp;D

**CONSTRUCTION & DEMOLITION WASTE  
LANDFILL****Facility Annual Report****For the period of July 1, 2013-June 30, 2014**

According to (G.S. 130A-309.09D(b)) completed forms must be returned by August 1, 2014 and a copy of this report must be sent to the County Manager of each county from which waste was received. If you have questions or require assistance in completing this report, contact your Regional Environmental Senior Specialist.

Facility Name: SHOTWELL LANDFILL, INC.Permit: 9226-CDLF-2001Street 1: 4724 Smithfield Road

Street 2: \_\_\_\_\_

City: WendellCounty: WakeState: North CarolinaZip: 27591Street 1: 3061 Berks WayStreet 2: Ste. 201City: RaleighState: North CarolinaZip: 27614Name: David KingPhone: (919) 876-8485Fax: (919) 876-6203Email: dking@debrisrp.comName: Katie KessingPhone: (919) 876-8485Fax: (919) 876-6203Email: kkessing@debrisrp.com1. Tipping Fee: \$35.00 per Ton (Attach a schedule of tipping fees if appropriate.)2. Does the tip fee above include the \$2.00 Solid Waste Tax? ☒ Yes ☐ No3. Did your facility stop receiving waste during this past Fiscal Year? ☐ Yes ☒ No

If so, please report the date this occurred: \_\_\_\_\_

4. What other activities occur at this facility? (check all that apply)

☒ Recycling/Reuse Collection ☐ Scrap Tire Collection ☐ White Goods Collection ☐ Household Hazardous Waste Collection

If you checked Recycling/Reuse Collection, please indicate the materials accepted and amount collected: (check all that apply and provide tonnages)

☐ Carpet \_\_\_\_\_ tons ☒ Concrete/rubble/asphalt 9,300 tons ☐ Gypsum/drywall \_\_\_\_\_ tons ☒ Other Metal 84.31 tons☐ Cardboard \_\_\_\_\_ tons ☐ Shingles \_\_\_\_\_ tons ☐ Electronics \_\_\_\_\_ tons ☐ Other Plastic \_\_\_\_\_ tons☒ Wood 48,707 tons ☒ Other (specify) Glass: 14,457.92

**Airspace (Capacity):** Questions in this section relate to all cells/units of the C&D facility operated under the current 4-digit permit number regardless of whether the cells/units are closed or are not contiguous at the time of this report. Tonnage questions must be based on scale records and cover the period between the opening date and the date of the last survey unless another time period is approved. Airspace measurements include weekly, intermediate and final cover.

5. Date Facility Last Surveyed: July 20146. Airspace Used (cubic yards): 1,519,7917. Total Tons Disposed in  
Airspace Used (tons): 810,905

[illegible]

Provide the four quarterly tonnages this facility reported on NC E-500K forms between July 1, 2013 and June 30, 2014:

July 1 - September 30	22,653.97
October 1 - December 31	22,087.11
January 1 - March 31	15,636.34
April 1 - June 30	25,421.99
<b>Total</b>	<b>85,799.41</b>

10. Are there SWANA or other certified operator(s) at this facility? ☒ Yes ☐ No

If yes, indicate the following:

Name: Nellie Basnett

Certification type and expiration date: SWANA LF-2006100 Exp. 02/28/2015

Name: Terry Basnett

Certification type and expiration date: SWANA LF-2008002 Exp. 02/08/2017

Name: \_\_\_\_\_

Certification type and expiration date: \_\_\_\_\_

Name: \_\_\_\_\_

Certification type and expiration date: \_\_\_\_\_

Name: \_\_\_\_\_

Certification type and expiration date: \_\_\_\_\_

11. Comments, suggestions or notes:

Please return your completed report to:

Shawn McKee  
1646 Mail Service Center  
Raleigh, NC 27699-1646  
phone: 919.707.8284 email: Shawn.McKee@ncdenr.gov

~~CERTIFICATION~~ certify that the information provided is an accurate representation of the activity at this facility.

Signature: \_\_\_\_\_

Date: September 4, 2014

Name: David King

Title: Owner/President

Phone Number: (919) 876-8485

Email: dking@debrisrp.com



# Risk Assessment Form

Facility Name: SHOTWELL LANDFILL, INC. Permit: 9226-CDLF-2001  
 Address: 4724 Smithfield Road  
 City: Wendell State: North Carolina Zip: 27591  
 Person completing Assessment: Katie Kessing Date: September 4, 2014  
 Phone Number: (919) 876-8485 Fax: (919) 876-6203 Email: kkessing@debrisrp.com

Please indicate either Yes or No for each Receptor and Post Closure Maintenance question. Then please determine the distance or distances for each Receptor from the *Edge of Waste* (using range finders and/or GIS maps) and type that information into the form. Please attach additional information including GIS maps, lists of potable well locations, etc.

## Receptors

- Are there Residential Dwellings Within 1,500 feet of the Edge of Waste? ☒ Yes ☐ No  
 If Yes, how many? 4  
 What are the three closest distances from the *Edge of Waste*? 1070 Feet 1105 Feet 1240 Feet
- Are there Potable Wells Within 1,500 feet of the Edge of Waste? ☒ Yes ☐ No  
 If Yes, how many? 3 potable & 1 non-potable  
 What are the three closest distances from the *Edge of Waste*? 1070 Feet 1105 Feet 1240 Feet
- Are there Community/Municipal Wells Within 1,500 feet of the Edge of Waste? ☐ Yes ☒ No  
 If Yes, how many? \_\_\_\_\_  
 What are the three closest distances from the *Edge of Waste*? \_\_\_\_\_ Feet \_\_\_\_\_ Feet \_\_\_\_\_ Feet
- Are there Surface Water Bodies Within 1,500 feet of the Edge of Waste? ☒ Yes ☐ No  
 If Yes, how many? 3  
 What are the three closest distances from the *Edge of Waste*? 110 Feet 265 Feet 1220 Feet  
 Please list the names of the water bodies: \_\_\_\_\_
- Is Public Water Available Within 1,500 feet of the Edge of Waste? ☐ Yes ☒ No  
 If Yes, how many of the Residential Dwellings noted above are connected? \_\_\_\_\_

## Corrective Measures

- Is there an active methane extraction system (blower, flare, etc.)? ☐ Yes ☒ No
- Is there a passive methane extraction system (trench, vents in cap, flare, etc.)? ☐ Yes ☒ No
- Is there groundwater remediation taking place on site? ☐ Yes ☒ No  
 If Yes, what is the specific remedial technology used? \_\_\_\_\_

## Comments

Q3: We are not aware of any community/municipal wells.  
 Q5: We are not aware of any public water available.

**C&D**State of North Carolina  
Department of Environment and Natural Resources  
Division of Waste Management**CONSTRUCTION & DEMOLITION WASTE  
LANDFILL**

Facility Annual Report

For the period of July 1, 2014-June 30, 2015

According to (G.S. 130A-309.09D(b)) completed forms must be returned by August 1, 2015 and a copy of this report must be sent to the County Manager of each county from which waste was received. If you have questions or require assistance in completing this report, contact your Regional Environmental Senior Specialist.

Facility Name: SHOTWELL LANDFILLPermit: 9226-CDLF-2001

Physical Address		Mailing Address	
Street 1: <u>4724 SMITHFIELD ROAD</u>		Street 1: <u>3061 BERKS WAY</u>	
Street 2: _____		Street 2: <u>STE 201</u>	
City: <u>WENDELL</u>	County: <u>Wake</u>	City: <u>RALEIGH</u>	
State: <u>North Carolina</u>	Zip: <u>27591</u>	State: <u>North Carolina</u>	Zip: <u>27614</u>

Primary Facility Contact Person		Billing Contact Person	
Name: <u>DAVID W. KING, JR.</u>		Name: <u>KATIE WEBB</u>	
Phone: <u>(919) 427-4104</u>	Fax: <u>(919) 876-6203</u>	Phone: <u>(919) 876-8485</u>	Fax: <u>(919) 876-6203</u>
Email: <u>DKING@DEBRISRP.COM</u>		Email: <u>KKESING@DEBRISRP.COM</u>	

1. Tipping Fee: \$38.00 per Ton (Attach a schedule of tipping fees if appropriate.)2. Does the tip fee above include the \$2.00 Solid Waste Tax? ☒ Yes ☐ No3. Did your facility stop receiving waste during this past Fiscal Year? ☐ Yes ☒ No

If so, please report the date this occurred: \_\_\_\_\_

4. What other activities occur at this facility? (check all that apply)

☒ Recycling/Reuse Collection ☐ Scrap Tire Collection ☐ White Goods Collection ☐ Household Hazardous Waste Collection

If you checked Recycling/Reuse Collection, please indicate the materials accepted and amount collected: (check all that apply and provide tonnages)

☐ Carpet \_\_\_\_\_ tons ☒ Concrete/rubble/asphalt 5,465.43 tons ☐ Gypsum/drywall \_\_\_\_\_ tons ☒ Other Metal 27.85 tons☐ Cardboard \_\_\_\_\_ tons ☐ Shingles \_\_\_\_\_ tons ☐ Electronics \_\_\_\_\_ tons ☐ Other Plastic \_\_\_\_\_ tons☒ Wood 28,890.55 tons ☒ Other (specify) GLASS: 7,076.60 TONS

**Airspace (Capacity):** Questions in this section relate to all cells/units of the C&D facility operated under the current 4-digit permit number regardless of whether the cells/units are closed or are not contiguous at the time of this report. Tonnage questions must be based on scale records and cover the period between the opening date and the date of the last survey unless another time period is approved. Airspace measurements include weekly, intermediate and final cover.

5. Date Facility Last Surveyed: JULY 20156. Airspace Used (cubic yards): 296,0007. Total Tons Disposed in  
Airspace Used (tons): 895,551

[illegible]

84,645.65

Quarter	Tons Reported
July 1 - September 30	22,036.39
October 1 - December 31	20,131.83
January 1 - March 31	17,692.31
April 1 - June 30	24,785.12
Total	84,645.65



10. Are there SWANA or other certified operator(s) at this facility? ☒ Yes ☐ No

If yes, indicate the following:

Name: <u>NELLIE BASNETT</u>	Certification type and expiration date: <u>SWANA LF-2006100 / EXPIRES 02/28/2018</u>
Name: <u>TERRY BASNETT</u>	Certification type and expiration date: <u>SWANA LF-2008002 / EXPIRES 02/08/2017</u>
Name: _____	Certification type and expiration date: _____
Name: _____	Certification type and expiration date: _____
Name: _____	Certification type and expiration date: _____

11. Comments, suggestions or notes:

RECYCLING. According to 15 C.F.R. 130.109, including the report must be sent to the Regional Environmental Health Director for review and a copy of this report must be sent to the local manager of solid waste from which waste was received.

Please return your completed report to:

Dennis Shackelford  
225 Green Street, Suite 714  
Fayetteville, NC 28301  
phone: 910.433.3349 email: Dennis.Shackelford@ncdenr.gov

CERTIFICATION: I certify that the information provided is an accurate representation of the activity at this facility.

Signature: David King

Digitally signed by David King  
DN: cn=David King, o, ou, email=dking@debrisrp.com, c=US  
Date: 2016.02.02 13:48:17 -0500

Date: Jan 5, 2016

Name: DAVID W. KING, JR.

Title: PRESIDENT/OWNER

Phone Number: (919) 876-8485

Email: DKING@DEBRISRP.COM



Tab 9-

Ramey Kemp & Associates' Traffic Count Letter Report Re: Shotwell Landfill, April 20, 2016



RAMEY KEMP & ASSOCIATES, INC.  
5808 Faringdon Place, Suite 100  
Raleigh, NC 27609  
Phone - 919-872-5115 Fax - 919-878-5416  
[www.rameykemp.com](http://www.rameykemp.com)

April 20, 2016

David King  
Shotwell Landfill  
424 Warehouse Drive,  
Raleigh, NC 27610  
[DKing@debrisrp.com](mailto:DKing@debrisrp.com)  
(919) 427-4104

Reference: Shotwell Landfill  
Smithfield Road, Wake County

Subject: Traffic Count, on Tuesday, March 22, 2016

Dear Mr. King:

This letter provides a summary of, and observations from the observed traffic count conducted on Smithfield Road outside the Shotwell Landfill on the above-referenced date. The traffic count was conducted over a 12 hour period, from 6:00 a.m. to 6:00 p.m. While typically the peak travel periods are of interest, the longer time traffic count was taken in order to capture the busiest times of the facility operation. The count was performed in a way to capture the vehicles entering and exiting the facility while also counting the other vehicles on Smithfield Road in the area. It is worth noting that public schools were in session that day. The traffic count results, performed by Quality Counts, LLC are attached.

According to the solid waste facility's records, a total of 849 tons was processed at the facility the day these counts were taken. We understand this was an unusually high daily volume for the facility.

When considering the data collected, some items of note are observed:

- 204 vehicles entered/exited the Shotwell facility in the 12 hour period; 186 of these were trucks (91%).
- During the AM peak hour (7:00 – 8:00 AM), 18 vehicles entered/exited the facility, compared to 627 total vehicles observed through the study area.
- No vehicles entered the Shotwell facility after 4:00 PM, and no vehicles exited the facility after 4:30 PM. (The PM peak hour for Smithfield Road occurred from 5:00 – 6:00 PM.)
- The site accounted for 204 of the 4,643 vehicles observed during the study period, or approximately 4% of the total traffic on Smithfield Road at that location.

As the data indicates, the operations of the facility are intended to occur at times other than the peak traffic hours during the day. While the majority of the traffic associated with the Shotwell facility is truck traffic, the low hourly and daily traffic totals for the facility and the design of operations to occur outside of the heaviest travel times of the area infrastructure make it a complimentary land use in terms of traffic operation.

Charlotte, NC - Raleigh, NC - Richmond, VA - Winston-Salem, NC

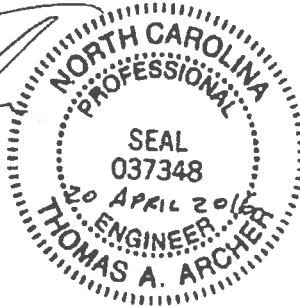
Based on the observational data, an increase in the daily operations of the Shotwell facility – to something like the volume of waste processed the day of these traffic counts – would not be expected to result in any added delay or congestion to the area infrastructure. The existing infrastructure accommodates that level of traffic entering and exiting the Shotwell facility.

If you have any questions regarding this letter, please let us know.

Sincerely,  
*Ramey Kemp and Associates, Inc.*



Thomas A. Archer, P.E.  
Transportation Engineer



NC Corporate License # C-0910

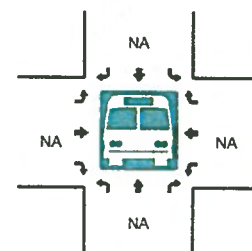
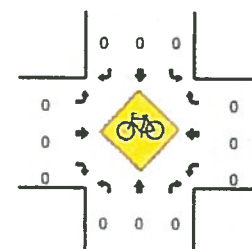
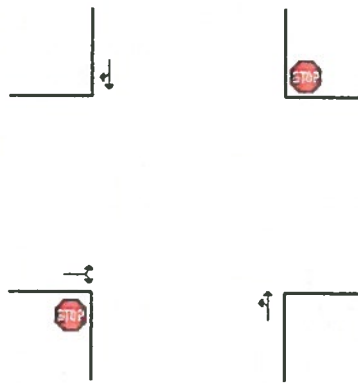
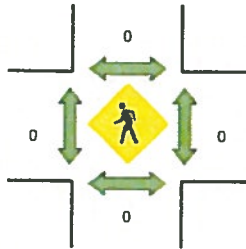
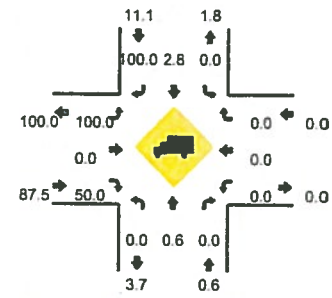
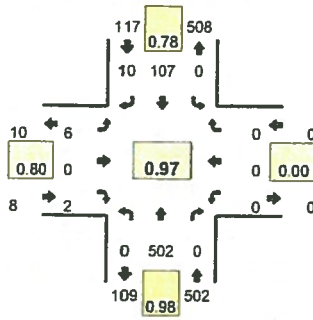
Attached: Traffic Count





Type of peak hour being reported: Intersection Peak

Method for determining peak hour: Total Entering Volume

**LOCATION:** Smithfield Rd -- Shotwell Landfill Dwy**CITY/STATE:** Wendell, NC**QC JOB #:** 13669801**DATE:** Tue, Mar 22 2016**Peak-Hour: 7:00 AM -- 8:00 AM**  
**Peak 15-Min: 7:30 AM -- 7:45 AM**

15-Min Count Period	Smithfield Rd (Northbound)				Smithfield Rd (Southbound)				Shotwell Landfill Dwy (Eastbound)				Shotwell Landfill Dwy (Westbound)				Total	Hourly Totals
Beginning At	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
6:00 AM	0	68	0	0	0	1	1	0	0	0	0	0	0	0	0	0	70	
6:15 AM	0	107	0	0	0	4	0	0	0	0	0	0	0	0	0	0	111	
6:30 AM	0	111	0	0	0	6	1	0	0	0	0	0	0	0	0	0	118	
6:45 AM	1	130	0	0	0	8	1	0	0	0	0	0	0	0	0	0	140	439
7:00 AM	0	132	0	0	0	18	2	0	1	0	1	0	0	0	0	0	154	523
7:15 AM	0	126	0	0	0	30	1	0	2	0	0	0	0	0	0	0	159	571
7:30 AM	0	128	0	0	0	30	3	0	1	0	0	0	0	0	0	0	162	615
7:45 AM	0	116	0	0	0	29	4	0	2	0	1	0	0	0	0	0	152	627
8:00 AM	1	103	0	0	0	22	1	0	1	0	1	0	0	0	0	0	129	602
8:15 AM	0	92	0	0	0	41	1	0	3	0	0	0	0	0	0	0	137	580
8:30 AM	0	99	0	0	0	28	0	0	1	0	1	0	0	0	0	0	129	547
8:45 AM	0	77	0	0	0	18	2	0	0	0	0	0	0	0	0	0	97	492
9:00 AM	0	55	0	0	0	22	1	0	1	0	0	0	0	0	0	0	79	442
9:15 AM	0	50	0	0	0	17	2	0	2	0	1	0	0	0	0	0	72	377
9:30 AM	0	40	0	0	0	18	8	0	1	0	0	0	0	0	0	0	67	315
9:45 AM	0	31	0	0	0	16	1	0	4	0	0	0	0	0	0	0	52	270
10:00 AM	2	28	0	0	0	18	1	0	2	0	1	0	0	0	0	0	52	243
10:15 AM	0	45	0	0	0	15	5	0	3	0	1	0	0	0	0	0	69	240
10:30 AM	0	30	0	0	0	17	2	0	4	0	0	0	0	0	0	0	53	226
10:45 AM	1	43	0	0	0	22	1	0	5	0	0	0	0	0	0	0	72	246
11:00 AM	0	30	0	0	0	22	2	0	1	0	0	0	0	0	0	0	55	249
11:15 AM	0	34	0	0	0	27	2	0	2	0	0	0	0	0	0	0	65	245
11:30 AM	0	27	0	0	0	30	1	0	2	0	0	0	0	0	0	0	60	252
11:45 AM	1	25	0	0	0	16	3	0	2	0	0	0	0	0	0	0	47	227
<b>Peak 15-Min Flowrates</b>	<b>Northbound</b>				<b>Southbound</b>				<b>Eastbound</b>				<b>Westbound</b>				<b>Total</b>	
All Vehicles	0	512	0	0	0	120	12	0	4	0	0	0	0	0	0	0	648	
Heavy Trucks	0	4	0	0	0	4	12	0	4	0	0	0	0	0	0	0	24	
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bicycles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Railroad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

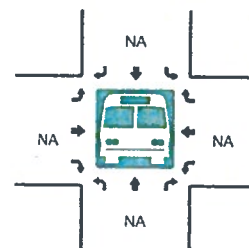
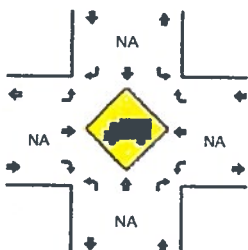
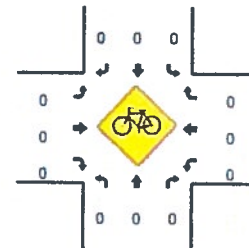
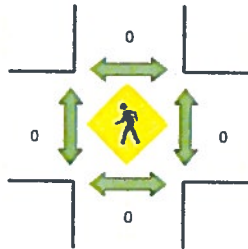
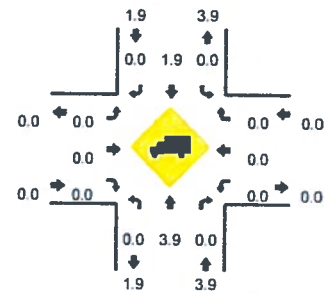
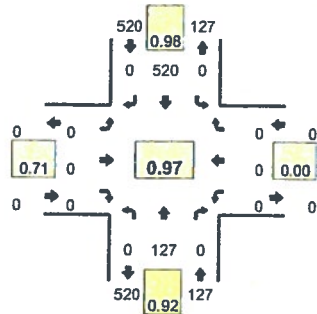
**Comments:**

Report generated on 3/28/2016 4:42 AM

SOURCE: Quality Counts, LLC (<http://www.qualitycounts.net>) 1-877-580-2212

Type of peak hour being reported: Intersection Peak

Method for determining peak hour: Total Entering Volume

**LOCATION:** Smithfield Rd – Shotwell Landfill Dwy**QC JOB #:** 13669802**CITY/STATE:** Wendell, NC**DATE:** Tue, Mar 22 2016Peak-Hour: 5:00 PM – 6:00 PM  
Peak 15-Min: 5:30 PM – 5:45 PM

15-Min Count Period	Smithfield Rd (Northbound)				Smithfield Rd (Southbound)				Shotwell Landfill Dwy (Eastbound)				Shotwell Landfill Dwy (Westbound)				Total	Hourly Totals
Beginning At	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
12:00 PM	1	22	0	0	0	32	3	0	1	0	1	0	0	0	0	0	60	
12:15 PM	1	22	0	0	0	29	3	0	1	0	0	0	0	0	0	0	56	
12:30 PM	1	29	0	0	0	36	1	0	8	0	1	0	0	0	0	0	76	
12:45 PM	0	29	0	0	0	35	5	0	1	0	1	0	0	0	0	0	71	263
1:00 PM	0	20	0	0	0	38	2	1	4	0	0	0	0	0	0	0	65	268
1:15 PM	2	23	0	0	0	28	3	1	1	0	0	0	0	0	0	0	58	270
1:30 PM	0	27	0	0	0	23	3	0	5	0	2	0	0	0	0	0	60	254
1:45 PM	0	26	0	0	0	37	0	0	2	0	0	0	0	0	0	0	65	248
2:00 PM	1	26	0	0	0	31	1	0	1	0	0	0	0	0	0	0	60	243
2:15 PM	0	31	0	0	0	37	6	0	1	0	1	0	0	0	0	0	76	261
2:30 PM	0	23	0	0	0	36	3	0	4	0	0	0	0	0	0	0	66	267
2:45 PM	2	24	0	0	0	49	4	0	6	0	0	0	0	0	0	0	85	287
3:00 PM	0	27	0	0	0	43	3	0	1	0	2	0	0	0	0	0	76	303
3:15 PM	0	25	0	0	0	64	1	0	3	0	1	0	0	0	0	0	94	321
3:30 PM	0	37	0	0	0	70	2	1	2	0	0	0	0	0	0	0	112	367
3:45 PM	0	35	0	0	0	66	1	0	2	0	0	0	0	0	0	0	104	386
4:00 PM	0	24	0	0	0	70	0	2	2	0	0	0	0	0	0	0	98	408
4:15 PM	0	29	0	0	0	94	0	0	2	0	0	0	0	0	0	0	125	439
4:30 PM	0	30	0	0	0	105	0	0	0	0	0	0	0	0	0	0	135	462
4:45 PM	0	35	0	0	0	117	0	1	0	0	0	0	0	0	0	0	153	511
5:00 PM	0	28	0	0	0	130	0	0	0	0	0	0	0	0	0	0	158	571
5:15 PM	0	36	0	0	0	128	0	0	0	0	0	0	0	0	0	0	164	610
5:30 PM	0	34	0	0	0	132	0	0	0	0	0	0	0	0	0	0	186	641
5:45 PM	0	29	0	0	0	130	0	0	0	0	0	0	0	0	0	0	159	647
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
All Vehicles	0	136	0	0	0	528	0	0	0	0	0	0	0	0	0	0	664	
Heavy Trucks	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	20	
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bicycles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Railroad																		
Stopped Buses																		

Comments:

Report generated on 3/28/2016 4:42 AM

SOURCE: Quality Counts, LLC (<http://www.qualitycounts.net>) 1-877-580-2212