



April 4, 2007

Mr. Bruce E. Lefler, Jr.
Hydrogeologist
NCDENR-Inactive Hazardous Sites Branch
Superfund Section
1646 Mail Service Center
Raleigh, North Carolina 27699

Re: *Additional Spindale Sites*
No State ID Assigned
Task Order – 4-C
Rutherford County, North Carolina
Contractor's Contract No. N06010S
MM&A Project No.: NCUL104-03

Dear Mr. Lefler:

During the process of performing assessments of the three additional Sites in Spindale listed as Spindale Dump #1, Spindale Dump #2, and Spindale Dump #3, Marshall Miller & Associates, Inc. (MM&A) determined the Sites to be duplicate descriptions of the Site known as the Shelby Refuse Dump (NONCD0000022). Though the *Report of Investigation or Inspection of Refuse Disposal* form dated September 10-11, 1963 (**Attachment A**), and filed at the North Carolina Department of Environment and Natural Resources (NCDENR), Division of Solid Waste office in Raleigh, North Carolina, appears to describe four separate locations, personal interviews with local residents and town officials did not indicate the presence of any additional municipal dumps. Copies of the Communication Logs are provided in **Attachment B**.

This serves to conclude Task Order 4-C and all remaining site assessment work in Rutherford County. Digital copies of reports generated for Task Orders 4-A, 4-B, and 4-C, as well as digital

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and hard copy maps will follow shortly. Please let us know if you have any questions or comments.

Sincerely,

MARSHALL MILLER & ASSOCIATES, INC.



Jacob A. Hodges
Staff Scientist



Andrew D. Waggener
Program Manager

cc: File NCDENR/NCUL104-03

Enclosures

ATTACHMENT A
Report of Investigation or Inspection of Refuse Disposal



STATE BOARD OF HEALTH
SANITARY ENGINEERING DIVISION
RALEIGH, NORTH CAROLINA

REFER TO PAGE 2
FOR SITES IN
QUESTION.

REPORT OF INVESTIGATION OR INSPECTION OF Refuse Disposal

Place visited Rutherford County Date September 10-11 1963

Address Rutherford County Time spent 2 days

By whom Mr. J. S. McGinnis, Mr. L. M. Reinhardt, Mr. H. Yelton, County Sanitarians;
Mr. J. N. Fulp, District Sanitarian

Persons contacted Dr. Ann B. Lane, Health Director; town clerks and others
(Owner, agent, tenant, manager, other)

Reason for visit Request of Dr. Ann B. Lane

Copies to:

Dr. Ann B. Lane, Health Director
Mr. C. M. White
Mr. J. N. Fulp

REPORT:

At the request of Dr. Ann B. Lane, District Health Director, a refuse disposal survey was made in Rutherford County. The sanitarians, while doing their routine duties during the month of August, marked on a map of Rutherford County all roadside and other refuse dumps observed, the total being 51.

Rutherford County has a population of approximately 45,091. Approximately 50.7% of the population is in the Townships of Rutherfordton and Cool Spring. Approximately 16% of the population is in High Shoals Township and 10% in Colfax Township.

The County has 13 municipal and industrial dumps. These were inspected and the following comments made in regard to their condition and operation.

Place: Lake Lure

Location of Dump: Approximately $\frac{3}{4}$ mile off highway No. 9 near Rutherford-Polk County Line

Type of Garbage and Trash Disposal: Open dump, occasionally burned and partially covered with dirt by bulldozer owned by Town of Lake Lure.

Frequency and Method of Collection: Private collectors (Cleston Burgess & Grover Gorenflow) Collected twice weekly during summer months and weekly during rest of the year. Use open trucks.

Area: Approximately 2 acres.

Condition of Dump: Flies, odors, rats, etc.

Place: Chimney Rocky

FORM 434 (Same as above)

Place: Rutherfordton

Location of Dump: Laurel Hill. Turn off highway No. 74 opposite entrance to Central High School.

Area: Town owns about 130 acres at this site. Plans are to cut ditches in property and bury all garbage.

Frequency and Method of Collection: Private collectors, as well as individuals, use property whenever they desire, without approval of the city. The city trucks use the dump daily. Town of Ruth also uses the dump.

Condition of Dump: For an open dump it is in fair condition. There are complaints about smoke coming from dump when burning occurs.

Place: Spindale, Municipal No. 1

Location of Dump: Approximately 1 mile northeast Town of Spindale on road to York's Store about 200 feet from road.

Area: 1/2 acre.

Condition of Dump: Frequent burning. Obnoxious smoke, flies and rodents.

Place: Spindale, Municipal No. 2

Location of Dump: Approximately 1/4 mile east of Spindale Street on Eastwood Street. Vacant lot on property of Spindale Mills.

Area: Approximately 500 square feet.

Condition of Dump: Trees, cans, glass, and tires.

Place: Spindale, Municipal No. 3

Location of Dump: Old Ball Park, 1/4 mile northeast Spindale Street.

Area: Approximately 300-400 square feet.

Condition of Dump: Old roofing, pieces of concrete and old brick.

Place: Spindale, Municipal No. 4

Location of Dump: Approximately 1/2 mile northeast Spindale Street. First road beyond first bridge.

Area: Approximately 1 acre.

Condition of Dump: Trash, cans, bottles

Place: Forest City

Location of Dump: Approximately 1/2 mile from city limits on highway No. 74 toward Ellenboro. Property back of City Packing Co., owned by J. R. Lentz.

Area: Approximately 10 acres.

Type of Garbage and Trash Disposal: Near to a true sanitary landfill. Back filled practically every day with cover of dirt.

Frequency and Method of Collection: Collected by Town of Forest City in compactor type trucks. Businesses collected daily and homes weekly.

Condition of Dump: Generally good.

Place: Bostic

Location of Dump: $\frac{1}{2}$ mile from Bostic on Road No. 1576 off road on property of Mr. Jolley.

Area: Approximately 1 acre.

Frequency and Method of Collection: Collected weekly in town of Bostic by private collector, Wayne McKinney, with open truck.

Condition of Dump: Odors, flies, rats. No burning, no backfilling with dirt.

Place: Alexander Mills

Location of Dump: Just off Road No. 1904 approximately 1 mile from Alexander Mills toward Sandy Mush.

Area: Approximately $\frac{1}{2}$ acre.

Type of Garbage and Trash Disposal: Open dump. Big gully on property owned by Alexander Mills.

Frequency and Method of Collection: Collected by Alexander Mills in open truck, possibly weekly. Some individuals and private collectors also dump.

Condition of Dump: Odors, flies, rats. Very unsightly, strewn all around edges of big gully. Occasionally burned. No covering with dirt at all.

Place: Avondale

Location of Dump: Approximately $\frac{1}{8}$ mile off Road No. 2138, $\frac{3}{4}$ miles from Avondale Mill (Cone Mills, Inc.)

Area: Approximately 1 acre.

Type of Garbage and Trash Disposal: Open dump. Burned occasionally.

Frequency and Method of Collection: Collected by Cone Mills Inc., in open truck possibly weekly.

Condition of Dump: Odors, flies, rats, unsightly. Burned occasionally, no backfilling with dirt. Used only for Cone Mills, Inc., and few mill owned homes on village hill. Gate and locked to prevent outsiders from dumping.

Place: Old Henrietta Road, Road No. 2129

Location of Dump: Two miles from Henrietta on property line between Fred Arrowood and Mr. Street. 100 feet off above road.

Type of Garbage and Trash Disposal: Open dump in big gulley on property line.

Frequency and Method of Collection: Property owners have invited private collectors, neighbors, etc., to dump in order to fill up big gulley and prevent washing by highway surface water.

Area: 1 acre.

Condition of Dump: Odorous, flies, rats, very unsightly. No burning and no backfilling with dirt. (Within 75 feet of Fred Arrowood's home.)

Place: Cliffside

Location of Dump: $\frac{1}{4}$ mile from town off 221 A on bank of second Broad River.

Type of Garbage and Trash Disposal: Open Dump. Burned occasionally.

Frequency and Method of Collection: Collected by Cone Mills, Inc., in open truck daily for businesses and possibly weekly for homes on mill hill.

Area: 1-2 acres.

Condition of Dump: Dumped on side of hill and river bank. Some going into river. Burned occasionally.

DISCUSSION

There are three distinct phases in the handling of garbage. The first of these is the storage at the home or place of business. On premises storage should be in a durable, non-corroding, water tight container, preferably of metal, with handles and a tight fitting lid and have a capacity of 20 to 32 gallons. There should be sufficient cans provided to contain all garbage that accumulates between times of collection and disposal. The lids should be kept on the cans when they are not being filled or emptied to exclude water, flies, rats, and dogs.

Garbage should preferably be collected twice a week and not less than once a week. Businesses producing garbage should have a 5 day a week pickup.

The collection truck used by towns or contract collectors should have water tight bottoms, preferably with a well to hold the liquid wastes, and have sufficient capacity to reduce to a minimum the number of trips to the disposal area. The trucks should be covered. The modern packer trucks are preferred to covered stake body trucks.

Several methods of disposal which meet Public Health Standards are used, but the sanitary landfill method of disposal is the most acceptable in North Carolina. It costs less to dispose of garbage by the landfill method, and gullies and low lands can be used. The filling of any ravine where a stream of water is or where a big watershed drains into the ravine must be avoided. When a landfill is properly operated, rats and anthropods, such as flies, mosquitoes, and cockroaches are not able to breed there. The correct disposal method is described in State Board of Health Special Bulletin #479 "Refuse Disposal By Sanitary Landfill."

In order for the people of a county to dispose of their refuse in a proper manner, it is first necessary that suitable disposal sites be available. This may best be accomplished by an agreement between the county and municipalities which operate satisfactory disposal areas. Where the towns are not strategically located, it may be necessary for the county to provide the land and equipment to operate a landfill, or go into the garbage collection themselves as provided by the 1961 General Assembly in Article 22 "Garbage Collection and Disposal," G. S. 153-272, 273, 274, 275. In one county an agreement has been made where the county provides the land and bulldozer and one of the collectors maintains the landfill.

It is generally agreed that outside towns or sanitary districts the licensed contractor working in a designated area, collecting refuse at a fixed fee, can do a more satisfactory job at less cost to the individual householder or business than any method devised so far. The contract collector is performing a community service and he should be encouraged to expand his operation.

RECOMMENDATIONS

Alternative plans are suggested:

The county may contract with cities and towns which operate approved landfills, to receive refuse from anyone taking their refuse to the fill. The fee should be large enough to encourage the municipality to dispose of the refuse properly. Contract collectors or towns not operating landfills may be charged a fee to use the landfill.

The rural citizens who have no suitable disposal facilities on their property, should be required to avail themselves of the services of a contract hauler or place their garbage in a landfill.

The county may provide trenches at strategic places which are convenient and accessible in which the rural population may dispose of its trash. The trash in these trenches should be compacted and covered at least two times a month at county expense.

Spindale could use the town of Rutherfordton's landfill as Rutherfordton has a large site.

A proposed model ordinance is enclosed that may be adopted by the County Commissioners.

ATTACHMENT B
Records of Communication



Hurricane Recovery Act of 2005
State of North Carolina

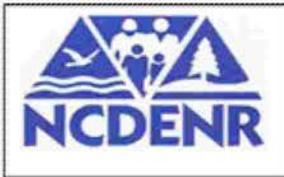
Communication Log

Landfill Name:	Spindale Dumps	ID:	Unassigned
Contact Name:	Broad River Water Authority	Phone:	(828) 287-7776
Address:	106 Duke Street		
	<i>Street Address</i>		<i>Alternate Number</i>
	Spindale	NC	28160
	<i>City</i>	<i>State</i>	<i>Zip Code</i>

Date	Time	Notes
01/25/2007	9:00	Contacted for information on dumps. Was told that no one in the facility had been there more than a few years and that "No one here can help you."

Owner of property:





Communication Log

Landfill Name:	Spindale Dumps	ID:	Unassigned
Contact Name:	Charlie Brooks	Phone:	(828) 288-0714
Address:	Spencer Street		
	<i>Street Address</i>		<i>Alternate Number</i>
	Spindale	NC	28160
	<i>City</i>	<i>State</i>	<i>Zip Code</i>

Date	Time	Notes
01/25/2007	9:45	Left Message
01/26/2007	12:35	Mr. Brooks stated that he has lived in the area since he was a boy and has never known of any dumps in the vicinity of Eastwood Street. He stated that he occasionally finds recently discarded appliances on his property on Eastwood Street and cleans them up. Mr. Brooks reported that, based on tests made about one year ago, the water in the area is "99.9% pure."

Owner of property:





Hurricane Recovery Act of 2005
State of North Carolina

Communication Log		
Landfill Name: Spindale Dumps		ID: Unassigned
Contact Name:	Robert Souther	Phone: (828) 287-2045
Address:	305 Eastwood Street	
	<i>Street Address</i>	<i>Alternate Number</i>
	Spindale	NC
	<i>City</i>	<i>State</i>
		28160
		<i>Zip Code</i>
Date	Time	Notes
01/25/2007	10:30	Mr. Souther stated that he has lived in the area for approximately 15 years. He recalled burning in the area for a couple of years, but the call was dropped and contact could not be re-established.

Owner of property:





Hurricane Recovery Act of 2005
State of North Carolina

Communication Log

Landfill Name:	Spindale Dumps	ID:	Unassigned
Contact Name:	John Lewis, Spindale Town Manager	Phone:	(828) 286-2541
Address:	103 Reveley Street		
	<i>Street Address</i>		<i>Alternate Number</i>
	Spindale	NC	28160
	<i>City</i>	<i>State</i>	<i>Zip Code</i>

Date	Time	Notes
01/31/2007	13:50	Mr. Lewis has been in Spindale for approximately two years. He stated that he know of only one dump; the "Watts Regulator" site (Spindale Refuse Disposal; NONCD0000022). Mr. Lewis recommended that we speak to Mr. Mike Brooks, Spindale Director of Maintenance.

Owner of property:





Communication Log		
Landfill Name: Spindale Dumps		ID: Unassigned
Contact Name: Mike Brooks, Spindale Public Works Director		Phone: (828) 286-2206
Address: Ecology Road		
<i>Street Address</i>		<i>Alternate Number</i>
Spindale		NC
<i>City</i>		<i>State</i>
		28160
		<i>Zip Code</i>
Date	Time	Notes
04/04/2007	10:00	<p>When read specific directions to each of the three additional Sites listed on the Report of Investigation or Inspection, Mr. Brooks indicated that they all seemed to refer to the Spindale Refuse Disposal (NONCD000022) site. He also stated that Spindale Street does not now, nor, to the best of his knowledge, has ever had a bridge and that it seemed that the directions were referring to Old Ball Park Road as Spindale Street (Spindale Refuse Disposal Site is beyond the first bridge on Old Ball Park Rd.). Mr. Brooks further indicated that folks sometimes leave white goods on a sewer right-of-way near Eastwood Street, but that it is recent and he has never seen evidence of an old dump in that vicinity.</p> <p>Mr. Brooks does not believe that there were any additional dumps.</p>

Owner of property:

