

Permanized
PLOVER BOND
25% COTTON FIBER

Research-Cottrell

Manufacturing Division

NASH
Dash
Auric
P. O. Box 800
Sharpsburg, N. C. 27878
Tel. 919 977-6760

December 18, 1979

State of North Carolina
Division Health Services
P.O. Box 2091
Raleigh, N.C. 27602

Att: D.W. Strickland

Dear Mr. Strickland:

We are generating waste material at our Sharpsburg, N.C. facility that need to be disposed of properly.

As per our phone conversation November 28, 1979, we are sending to the above address via UPS, the following samples:

1. Water taken from our paint booth pit.
2. Sludge taken from our paint booth pit.
3. A mixture of the following:
 - Acid -- metal prep used to clean metals prior to painting.
 - Paint thinner
 - Cutting oil -- lubricant in machines
 - Water

Please analyze these samples and advise us the proper procedure for disposing same to confirm with all regulatory agencies including Local, State and Federal.

Also, supply us with names and addresses of authorized and approved companies that can dispose of our waste.

Called 1/30 *our sales prohibits landfill disposal*

Sincerely,

RESEARCH COTTRELL, INC.

W.F. Waida
W.F. Waida
Purchasing Manager

WFW/kck



North Carolina Department of Human Resources
 Division of Health Services
 Laboratory Section
 P. O. Box 28047, Raleigh, N.C. 27611
 Environmental Sciences Analysis Report

Name of Owner, Patient or Supply: Research - Cottrell Mixture

Address: Sharpsburg, N.C.

County: _____

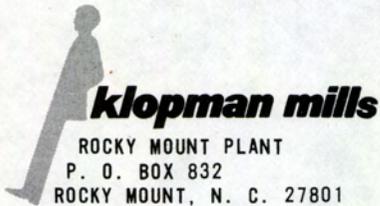
Report to: Bill Meyer

Address: Solid Waste

Date Collected: _____ Date Received: 11 Jan 80 Date Analyzed: 15 Jan 80

Analysis Desired: pH

| Laboratory Number | Results In pH units | | | | | | | | | |
|-------------------|---------------------|--|--|--|--|--|--|--|--|--|
| | pH | | | | | | | | | |
| 01341 | 2.6 | | | | | | | | | |
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Nash Co.

*Nash
JW & DC*

October 5, 1978

N. C. Division of Health Services
Solid Waste Management
P. O. Box 2091
Raleigh, NC 27602

Attention: Mr. Damon Antel

Gentlemen:

As we discussed by telephone today 10/5/78, enclosed is a sample of the soot from our oil fired boilers.

Yours very truly,

E. K. Riddle

E. K. Riddle
Plant Engineer

EKR:wd

Enclosure

CC: Y. Hilsman - K/Wake
H. Michel - K/Alta.
O. Wilson - K/RM

*Mailed him an analysis form for soot with letter
on 10/10/78.*

E. K. Riddle



Phone - ~~442-7741~~

442-9523

Rocky Mount

6 barrels in a container -
Cloth, Plastic, Paper, Prob. not
break open barrels.



October 2, 1978

North Carolina Division of Health Services
Solid Waste Management
P. O. Box 2091
Raleigh, NC 27602

Attention: Mr. W. O. Strickland

Gentlemen:

This letter is the follow-up of our telephone conversation of
Tuesday, September 26, 1978.

*Jim
who
?*

The Supervisor of the Nash County Land Fill told us that they could
not accept soot from our oil-fired boilers because of the stearic
acid content. Our boilers use No. 6 fuel oil supplied by Exxon
Corp. We had our Chemical Division analyze a sample of soot for
stearic acid and sulfuric acid content. Their analysis showed no
stearic acid and total acidity calculated as sulfuric acid at 6.6%.
A copy of their report is enclosed. We will be glad to furnish
you a sample.

We request permission to dispose of our soot at the Nash County
Land Fill.

At the present time, we have approximately seventy (70) barrels
of soot. These are open top metal barrels with lid and draw band.
We collect approximately three (3) barrels per week. Our Plant
trash is collected in a forty-two (42) cubic yard container that
is equipped with a compactor. The container is emptied approxi-
mately three (3) times every two (2) weeks. The net weight of
the soot is approximately 125 pounds per barrel.

If more information is needed, please advise.

Yours very truly,

E. K. Riddle

E. K. Riddle
Plant Engineer

EKR:wd

Enclosure

cc: Y. Hilsman - K/Wake
H. Michel - K/Alta.
O. Wilson - K/RM a division of Burlington Industries

analysis -

*Heavy metals -
Commonwealth Labs -
Richmond, Va - Jan 78
ask - Sulfur - heavy
metals -
(over)*

*Run tests same as for drinking
water on soot -
Selenium? etc.*

cc: BLR
Rocky Mt./KM
Circ.
FretwellSUBJECT: Rocky Mt. - Soot from Oil Fired BoilersREFERENCE REQUEST: Fretwell - 8-31-78OBJECT: Soot taken from oil fired boilers. Rocky Mount to be analyzed for stearic acid and sulfuric acid. Results should be sent to Ed Riddle.CONCLUSIONS: Total acidity calculated as sulfuric is 6.6%. There is no stearic acid present.RECOMMENDATIONS OR ACTION TAKEN: S. Fretwell notified of results 9-19-78.REPORTED BY: D. AtkinsonEDITED AND APPROVED: M. H.DATE 9/19/78

THIS SHIPPING ORDER

MUST BE LEGIBLY FILLED IN, IN INK, IN INDELIBLE PENCIL, OR IN CARBON. AND RETAINED BY THE AGENT.

RECEIVE. subject to the classifications and tariffs in effect on the date of the issue of this shipping order,

the property described below, in apparent good order, except as noted (contents and conditions of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery, at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern and Western Illinois Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms of the said bill of lading including those on the back hereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

FROM Klopman Mills Rocky Mount Plant AT Rocky Mount, N.C. SHIPPER'S NO. 07661 -017

DATE 10/5/78 DIVISION CHARGED: 0180

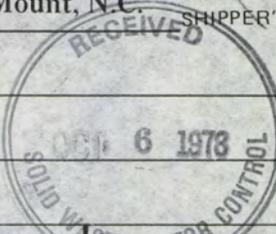
CONSIGNED TO: N. C. DIVISION OF HEALTH SERVICES

SOLID WASTE MANAGEMENT

DESTINATION PO BOX 2091

RALEIGH, N. C. 27602

ATTN: MR. DAMON ANTEL



RESHIPPIING POINT CARRIER OR GATEWAY CODE

VIA UPS COMMODITY CODE SPLC

70 411700 KM#

No. Pkgs. Description of Articles WEIGHT POUNDS KILOGRAMS RATE LINE: ORIGIN

Finished Synthetic Piece Goods I.O.P.

Unfinished Synthetic Piece Goods I.O.P.

Finished Rayon Piece Goods I.O.P.

Unfinished Rayon Piece Goods I.O.P.

Finished Cotton Piece Goods I.O.P.

Unfinished Cotton Piece Goods I.O.P.

Finished Piece Goods, Cotton and Rayon Mixed L/T 50% Rayon I.O.P.

Unfinished Piece Goods, Cotton and Rayon Mixed L/T 50% Rayon I.O.P.

Finished Piece Goods, Cotton and Syn. Mixed L/T 50% Cotton I.O.P.

Unfinished Piece Goods, Cotton and Syn. Mixed L/T 50% Cotton I.O.P.

Finished Piece Goods, Rayon Mixed with Cotton L/T 50% Cotton I.O.P.

Unfinished Piece Goods, Rayon Mixed with Cotton L/T 50% Cotton I.O.P.

Finished Piece Goods, Synthetics Mixed with Cotton L/T 50% Cotton I.O.P.

Unfinished Piece Goods, Synthetics Mixed with Cotton L/T 50% Cotton I.O.P.

1 BOX 5#

CASE NUMBER WEIGHT LBS. KILOGRAMS CASE NUMBER WEIGHT LBS. KILOGRAMS CASE NUMBER WEIGHT LBS. KILOGRAMS CASE NUMBER WEIGHT LBS. KILOGRAMS

ONE (1) QT. SAMPLE, SOOT FROM OIL FIRED BOILERS

REF: NO INV: NO ANALYSIS

2

Handwritten signature

RECEIVED ABOVE PROPERTY IN GOOD ORDER PERMANENT POST-OFFICE ADDRESS OF SHIPPER: P. O. BOX 1128, ASHEBORO, N. C. 27203

NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES
 CHEMICAL ANALYSIS ~~OF WATER~~
 Division of Health Services, Laboratory Section
 P. O. Box 28047, Raleigh, North Carolina 27611

Complete all items above Heavy Line
 (see instructions on reverse side)

Name of Owner or Supply: _____
 Address: _____
 _____ Well No. _____
 County: _____
 Report to: _____
 Address: _____

 Collected by: _____
 Date Collected: _____ Time: _____
 Remarks: _____

Type of Supplier: [] 5-Association
 [] 1-Municipal [] 6-Industrial
 [] 2-Sanitary District [] 7-Institution
 [] 3-Mobile Home Park [] 8-Private
 [] 4-Community [] 9-Other _____

Source of Water: [] 1-Ground [] 3-Both
 [] 2-Surface [] 4-Purchased

Source of Sample: [] 2-House Tap
 [] 1-Well tap [] 3-Distribution Tap

Type of Sample: [] 1-Raw [] 2-Treated

Type of Treatment: [] 0-None [] 5-Lime
 [] 1-Chlorinated [] 6-Soda Ash
 [] 2-Fluoridated [] 7-Polyphosphate
 [] 3-Filtered [] 8-Water Softener
 [] 4-Alum [] 9-Other

Analysis Desired:
 [] 1-Complete analysis (18 tests)
 [] 2-Partial analysis (9 tests)

ANALYSIS

| | | |
|-------|-------|---------------------------------------------------|
| Color | units | <input checked="" type="checkbox"/> pH of 1% Soln |
|-------|-------|---------------------------------------------------|

Results in Parts per Million

| | | |
|-----------------------------------------------|--|------------------------------------------------------------|
| Alkalinity-CaCO ₃ | | <input checked="" type="checkbox"/> Fluoride |
| Total Hardness-CaCO ₃ | | <input checked="" type="checkbox"/> Arsenic |
| <input checked="" type="checkbox"/> Iron | | <input checked="" type="checkbox"/> Cadmium |
| <input checked="" type="checkbox"/> Manganese | | <input checked="" type="checkbox"/> Chromium ⁺⁶ |
| Turbidity | | <input checked="" type="checkbox"/> Copper |
| Acidity-CaCO ₃ | | <input checked="" type="checkbox"/> Lead |
| <input checked="" type="checkbox"/> Chloride | | <input checked="" type="checkbox"/> Zinc |
| <input checked="" type="checkbox"/> Calcium | | <input checked="" type="checkbox"/> Selenium |
| <input checked="" type="checkbox"/> Magnesium | | |

Date received _____ Date reported _____

Date analyzed _____ Reported by _____

Lab. No. _____

Mr. E. K. Riddle
Plant Engineer
Klopman Mills
Rocky Mt. Plant,
Rocky mount, N.C., 27801

Dear Mr. Riddle,

Enclosed is the chemical analysis form I
promised to send you to be used for the analysis
of the saut.

Please let me know if we can be of further
help. ~~B.~~

Yours very truly,
Damon C. Antel

C.C. Mr. O.W. Strickland

10/31/78

Bill,

Got this from Bill Walker today - he is re-running the Selenium because of a possible masking caused by high iron. Discussed it briefly with Dr. Dye and he doesn't like it for landfill disposal. Suggest you give him a call when you get new analysis since he is already familiar with it.

Damon

North Carolina Department of Human Resources
 Division of Health Services
 Laboratory Section
 P. O. Box 28047, Raleigh, N.C. 27611

Environmental Sciences Analysis Report

Name of Owner, Patient
 or Supply: BURLINGTON MILLS (KLOPMAN MILLS DIV.)

Address: ROCKY MT., N.C.

County: NASH

Report to: DAMON ANTEL (O. W. STRICKLAND)

Address: SOLID WASTE & VECTOR CONTROL

Date Collected: _____ Date Received: _____ Date Analyzed: _____

Analysis Desired: SEE BELOW (SOOT FROM OIL FIRED BOILERS)

| Laboratory Number | Results In | | | | | | | | | | |
|-------------------|------------|----|------|------|-----|----|----|----|----|----|-----|
| | Fe | Mn | Ca | Mg | As | Cd | Cr | Cu | Pb | Zn | Se |
| 01810 | 4040 | 39 | 3300 | 1500 | 7.8 | <2 | 58 | 29 | 14 | 78 | 2.0 |
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December 20, 1978

Mr. E. K. Riddle
Plant Engineer
Klopman/Rocky Mount Plant
A Division of Burlington Industries, Inc.
Post Office Box 832
Rocky Mount, North Carolina 27801

Dear Mr. Riddle:

Please find enclosed a list of facilities which should have been forwarded with Mr. O. W. Strickland's letter of December 19, 1978.

I am sorry that this information was inadvertently omitted.

Sincerely,

Wanda S. Smitherman
Secretary to O. W. Strickland
Solid Waste & Vector Control Branch

Enclosure

Handwritten in red ink:
- J
DWVC

*Nash
Sw WC*

December 19, 1978

Mr. E. K. Riddle
Plant Engineer
Klopman/Rocky Mount Plant
A Division of Burlington Industries, Inc.
Post Office Box 832
Rocky Mount, North Carolina 27801

Dear Mr. Riddle:

The analysis of the soot from your oil-fired boilers has been received.

Your request to place this waste in the Nash County Landfill is denied due to the waste being classified as a hazardous waste.

I am enclosing for your information a list of facilities that could possibly provide you a solution to your problem.

Very sorry that we cannot be of more assistance.

Sincerely,

O. W. Strickland, Supervisor
Solid Waste Management Unit
Solid Waste & Vector Control Branch
Sanitary Engineering Section

OWS/wss

cc: Mr. Billy W. Morris
Nash County Health Department

Enclosure

Klopman/Rocky Mt. Plant
A Div. of Burlington Ind., Inc.
P. O. Box 832
Rocky Mount, NC 27801



N. C. Div. of Health Services
Solid Waste Management
P. O. Box 2091
Raleigh, NC 27602

Attn: Mr. Damon Antel

Gentlemen:

Enclosed is the analysis of the soot from our oil-fired boilers that you requested during our telephone conversation of 10/5/78. This analysis was made by our Chemical Division.

We request permission to dispose of our soot at the Nash County Land Fill. Please refer to my letter to your Mr. W. O. Strickland dated 10/2/78.

If more information is needed, please advise.

Yours very truly,

KLOPMAN/ROCKY MOUNT PLANT

E. K. Riddle

E. K. Riddle
Plant Engineer

EKR:wd

Enclosures

cc: Mr. Y. Hilsman - K/Wake
Mr. H. Michel - K/Alta.
Mr. O. Wilson - K/RM

BURLINGTON INDUSTRIES, INC.
 CHEMICAL DIVISION--ATS DEPARTMENT
 DRAWER 939, JAMESTOWN, N.C. 27282

DATA REPORT

| Plant | | Sample Information | | | Sample Date | Report Date |
|-----------------------------------------------|--------|--------------------|----------------------------|-------|-------------|-------------|
| Rocky Mount Plant/KM | | | | | 10-13-78 | 10-25-78 |
| Parameters | Units | Conc. | Soot- Oil Fired Boilers | Conc. | Conc. | Conc. |
| Color | | | | | | |
| Total Residue | mg/1 | | | | | |
| Total Suspended Residue | mg/1 | | | | | |
| Total Dissolved Residue | mg/1 | | | | | |
| Fecal Coliform Bacteria | /100m1 | | | | | |
| B.O.D., 5 day | mg/1 | | | | | |
| Chemical Oxygen Demand | mg/1 | | | | | |
| Kjeldahl Nitrogen | mg/1 | | | | | |
| Ammonia Nitrogen | mg/1 | | | | | |
| Phosphorus, Total (As P) | mg/1 | | | | | |
| Detergents (MBAS) | mg/1 | | | | | |
| Sulfide | mg/1 | | | | | |
| Oil and Grease | mg/1 | | | | | |
| Phenols | µg/1 | | | | | |
| Phenols (CHCL ₃ Extraction Method) | µg/1 | | | | | |
| Residual Chlorine | mg/1 | | | | | |
| Aluminum | µg/1 | | | | | |
| Cadmium | X | µg/1 | 1400 | | | |
| Chromium | X | µg/1 | 36,000 | | | |
| Copper | X | µg/1 | 20,600 | | | |
| Iron | X | µg/1 | 4,700,000 | | | |
| Lead | X | µg/1 | 54,400 | | | |
| Mercury | | µg/1 | | | | |
| Nickel | | µg/1 | | | | |
| Silver | | µg/1 | | | | |
| Tin | | µg/1 | | | | |
| Zinc | X | µg/1 | 80,000 | | | |
| Hexavalent Chromium (MIBK Extraction) | X | µg/1 | <500 | | | |
| Dissolved Oxygen | | mg/1 | | | | |
| Manganese | X | µg/1 | 58,000 | | | |
| Chloride | X | mg/1 | 2000 | | | |
| Calcium | X | mg/1 | 23.6 | | | |
| Magnesium | X | mg/1 | 960.0 | | | |
| Fluoride | X | mg/1 | <10.0 | | | |
| | | | | | | |
| pH (of 1% Solution) | X | | 2.5 | | | |
| Flow Rate | | MGD | | | | |
| Discharge Number | | | | | | |
| Water Temperature | | | | | | |
| Lab Sample Number | | | 20538 | | | |

Lbs./Day (From mg/1) = Concentration x 0.0083 x Flow (in thousand gallons/day).

Lbs./Day (From µg/1) = Concentration x 0.0000083 x Flow (in thousand gallons/day).

MGD=Million Gallons Day

Remarks: The arsenic and selenium results will follow in a later report.

Requested By Ed Riddle
 Order # 0180-014



STATE OF NORTH CAROLINA
DEPARTMENT OF HUMAN RESOURCES

Nash
JSP

JAMES B. HUNT, JR.
GOVERNOR

JACOB KOOMEN, M.D., M.P.H.
DIRECTOR

SARAH T. MORROW, M.D., M.P.H.
SECRETARY

Division of Health Services

EASTERN REGIONAL OFFICE
404 ST. ANDREWS STREET
GREENVILLE, N.C. 27834

February 21, 1978



Mr. Bill McGilvary
Wakefield Homes
Box 728
Spring Hope, NC 27882

Dear Mr. McGilvary:

I am writing to confirm our conversation on February 17, 1978, regarding the illegal solid waste disposal site operated by you adjacent to your manufacturing facility.

We agreed that the site is in violation of the N. C. Division of Health Services "Solid Waste Management Rules." You stated that your intentions were to bring the site into compliance by covering all existing waste. You also agreed to dispose of all solid waste in the future at the Nash County Sanitary Landfill.

Your cooperation in bringing this illegal open dump into compliance with the "Solid Waste Management Rules" will be appreciated. Please contact me if I can be of any assistance to you.

Sincerely,

Billy W. Morris, District Sanitarian
Solid Waste Management Unit
Sanitary Engineering Section

/bgb

cc: B. W. Hicks
O. W. Strickland

*Nash
lrr*

November 15, 1977

Mr. Jim Stallings
Landfill Supervisor
Post Office Box 497
Nashville, North Carolina 27856

Dear Jim:

To confirm our conversation of last week, the following policy is applicable in the landfilling of digested waste water treatment sludge.

The sludge may be placed in a sanitary landfill provided the moisture has been removed to the extent that it is a dry product. Digested sludge may also be used as a soil conditioner on the surface of the completed fill, provided the amount per acre is recommended by the County Farm Agent or the Soil Conservation Service Office.

Sincerely,

O. W. Strickland, Supervisor
Solid Waste Management Unit
Solid Waste & Vector Control Branch
Sanitary Engineering Section

OWS/wss

cc: Mr. Billy W. Morris

DEPARTMENT OF HUMAN RESOURCES

DIVISION OF HEALTH SERVICES
GREENVILLE



June 10, 1977

Mr. E. L. Yoder, Mayor
Town of Sharpsburg
P. O. Box 305
Sharpsburg, NC 27878

Dear Mayor Yoder:

This is to confirm our conversation on June 9, 1977, concerning the dumping of solid waste in the "Old Brickyard" by the Town of Sharpsburg.

We agreed that the Town of Sharpsburg would discontinue this practice and cover the existing waste with compacted earth. This will be in the best interest of the Town because it will relieve you of the liability for operating a solid waste disposal site without proper approval by this office.

Your willingness to alleviate this problem is greatly appreciated by this office.

Sincerely,

Bwm

Billy W. Morris, District Sanitarian
Solid Waste Management Unit
Solid Waste & Vector Control Branch
Sanitary Engineering Section

/bgb

cc: Marvin Price
David Bullock
O. W. Strickland

October 4, 1976

Mr. Bennie W. Hicks
Sanitarian Supervisor
Nash County Health Dept.
P. O. Box 497
214 S. Barnes Street
Nashville, N. C. 27856

dk
Dear Mr. Hicks:

In reference to your letter of October 1, 1976, I am sending you a copy of the regulations that have been up-dated and have been adopted by a number of Counties throughout the State. As you can observe, the Definitions are the same as in the State Rules.

If there are questions please let me know.

Sincerely,

O. W. Strickland, Supervisor
Solid Waste Management Unit
Solid Waste & Vector Control
Branch
Sanitary Engineering Section

OWS/tg

cc: Mr. Billy W. Morris

NASH COUNTY HEALTH DEPARTMENT

P. O. BOX 497

214 S. BARNES STREET

NASHVILLE, NORTH CAROLINA 27856

JOHN S. CHAMBLEE, M. D.
DIRECTOR

October 1, 1976



Mr. O. W. Strickland
N. C. Department of Human Resources
Division of Health Services
Sanitary Engineering Section
P.O. Box 2091
Raleigh, N.C. 27602

Dear Mr. Strickland:

Could you please send us the latest guidelines for the adoption of a solid waste ordinance for Nash County. Also if you should have copies of other counties available, we would appreciate seeing them.

Thanking you in advance. I am

Sincerely yours,

Bennie W. Hicks
Bennie W. Hicks
Sanitarian Supervisor

BWH/cl

DEPARTMENT OF HUMAN RESOURCES

DIVISION OF HEALTH SERVICES
GREENVILLE



September 3, 1976

Mr. R. S. Strickland
2805 Winstead Road
Rocky Mount, NC 27801

Dear Mr. Strickland:

I am writing in reference to our conversation on September 1, 1976, regarding the dumping of solid waste behind Strick's Truck Stop.

Mr. Jerry Adams of the Nash County Health Department and I inspected this site on the same date. We found garbage in addition to rubble on the site. This is in violation of the Division of Health Services "Solid Waste Management Rules." *etc*

It is the policy of this office to allow the filling of low areas such as yours if certain criteria can be met. Permission to continue use of this site will be granted if you will comply with the following:

1. Exercise strict access control by using a fence or other means to keep unauthorized users out.
2. Post signs stating no dumping, no trespassing, etc.
3. Only demolition waste and building debris such as lumber, bricks, concrete, tree limbs, stumps, and other clean wood waste can be accepted.
4. No paper, cardboard, food waste, cans, or household garbage can be accepted.
5. All waste must be covered eventually with two feet of compacted earth.

Your cooperation regarding this site will be appreciated. Please contact us if we can be of assistance to you.

Sincerely,

A handwritten signature in blue ink that appears to read "BWM".

Billy W. Morris, District Sanitarian
Solid Waste Management Unit
Solid Waste & Vector Control Branch

/bgb

cc: Mr. Bennie Hicks
Mr. O. W. Strickland

STATE OF NORTH CAROLINA

DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES

5-1-1977

Raleigh 27611



JAMES E. BOSSINGER, JR.
GOVERNOR

JAMES E. HARRINGTON
SECRETARY
TELEPHONE
AREA CODE 704-251-4141

July 23, 1976

(Date)

COMMENTS OF Ground Water DIVISION ON
SANITARY LANDFILL SITE PROPOSAL



PROPOSED LOCATION: Nash County

COMMENTS:

An adequate evaluation cannot be made without a field investigation. Provisions should be made for the construction and installation of water quality monitor wells under the supervision of the Regional Hydrologist.

STATE OF NORTH CAROLINA

DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES

RALEIGH

Raleigh 27611



JAMES E. HARRINGTON
SECRETARY
TELEPHONE
AREA CODE 704-276-2844

JAMES E. HARRINGTON, II
GOVERNOR

July 23, 1976

(Date)

COMMENTS OF Water Quality DIVISION ON
SANITARY LANDFILL SITE PROPOSAL



PROPOSED LOCATION: Nash County

COMMENTS:

If developed and operated in accordance with the attached plans, no surface water quality problems should arise. The Water Quality Section concurs in the Ground Water Section's statement.

LETTER OF TRANSMITTAL

JAMES E. STEWART AND ASSOCIATES, INC.

P O. DRAWER A D
WESTERN BOULEVARD AND COUNTRY CLUB ROAD
JACKSONVILLE, NORTH CAROLINA 28540
TELEPHONE: 455-2414



TO:

Mr. Jim Perkins

Sanitary Engineering Division
Solid Waste & Vector Control Section

N.C. Dept. of Human Resources

Div. of Health Service
P.O. Box 2091, Raleigh, N.C. 27602
GENTLEMEN:

Date: 7-23-76
Attn: Mr. Jim Perkins
Ref: Nash County Landfill

WE ARE SENDING YOU

ATTACHED

UNDER SEPARATE COVER

PRINTS

PLANS

SPECIFICATIONS

COPY OF LETTER

OTHER

DESCRIPTION:

3 sheets of Plan 6-A-area field plan

3 sheet of Plan 6-B-field details

THESE ARE TRANSMITTED AS CHECKED BELOW:

FOR APPROVAL

AS REQUESTED

FOR REVIEW AND COMMENT

FOR YOUR USE

FOR BIDS DUE _____, 19____

PRINTS RETURNED AFTER LOAN TO US

OTHER _____

REMARKS:

James E. Stewart
(SIGNED)

COPIES TO: Bennie Hicks, Nash County Health Dept.

(If enclosures are not as noted, kindly notify us at once)



STATE OF NORTH CAROLINA

DEPARTMENT OF HUMAN RESOURCES

Division of Health Services

JAMES E. HOLSHOUSER, JR.
GOVERNOR

DAVID T. FLAHERTY
SECRETARY

JACOB KOOMEN, M.D., M.P.H.
DIRECTOR

P. O. Box 2091

Raleigh 27602

July 22, 1976

Wake County
Raleigh, N. C.

ORDER OF APPROVAL
for

NASH COUNTY SANITARY LANDFILL
AREA I
SR 1411

I. Required information for evaluating proposed site and operational plans for a sanitary landfill on the below described property has been submitted for review in compliance with the "Rules and Regulations Providing Standards for Solid Waste Disposal". Those plans are hereby approved for operation with a complete set of the approved plans being returned to the applicant.

II. Description of Property:

Beginning at a point in the center line of S. R. 1411, corner between Sidney A. Collie and Mary B. Cooper; thence along the dividing line between Sidney A. Collie and Mary B. Cooper S. 7° 58' W. 2402.34 feet to a stake, corner of Vick, Mary B. Cooper and Bass; thence along Bass' line S. 6° 26' W. 40.14 feet to an axle, corner between Sidney A. Collie and Garland E. Strickland; thence along the dividing line between Collie and Strickland N. 81° 47' W. 717.87 feet to an iron stake; thence N. 18° 26' W. 1258.9 feet to a stake; thence N. 35° 26' W. 419 feet to a stake; thence N. 19° 37' W. 538.06 feet to a stake; thence N. 13° 26' E. 219.42 feet to a stake; thence N. 45° 20' E. 359.95 feet to a point in the center line of S. R. 1411; thence along the center line of S. R. 1411 S. 85° 15' E. 946.54 feet and S. 79° 26' E. 628.80 feet to the point of beginning, containing 75.52 Acres.

III. Effective date: This approval is not effective until the applicant has recorded this document with the Register of Deeds in the county where the sanitary landfill is located (G.S. 130-166.21)

This is to certify that this is an exact and true copy of the above order of approval.

Jacob Koomen
Jacob Koomen, M.D., M.P.H.
Director
Division of Health Services

Sidney H. Usry
Sidney H. Usry, Head
Solid Waste & Vector Control Branch
Sanitary Engineering Section

SOIL BORINGS DATA
FOR
THE SIDNEY A. COLLIE FARM
NASH COUNTY, NORTH CAROLINA

The following data is for Borings taken by Jay W. Smith and J. H. Sloan on January 15-16, 1976 and are for the locations as shown on Plan Sheet 3 of 8.

SITE # 1 - Elevation 85.9

| <u>DEPTH</u> | <u>TYPE SOIL</u> |
|--------------|---------------------------------------------|
| 0' - 1' | Clay Loam |
| 1' - 7' | Clay |
| 7' - 15' | Clay Loam |
| 15' - 18' | Silty Clay Loam |
| 18' - | Water Table |
| 18' - 30' | Silty Clay Loam - Traces of Gray Slate Rock |

SITE # 2 - Elevation 73.3

| | |
|-----------|-----------------------------------------------|
| 0' - 3' | Yellow Red Clay Loam |
| 3' - 6' | Silty Clay Loam - Medium Patches of Saprolite |
| 6' - 14' | Silty Clay |
| 14' - 18' | Mafic Silty Clay |
| 18' | Water Table |

SITE # 3 - Elevation 87.5

| | |
|-----------|------------------------------------------------|
| 0' - 4' | Red Clay |
| 4' - 6' | Yellow Red Clay Loam |
| 6' - 7' | Yellow Red Clay Loam - Common Saprolite Layers |
| 7' - 15' | Silty Clay Loam - Mafic Rock |
| 15' - 20' | Mafic Rock - Silty Loam Texture |
| 22' | Water Table |
| 22' - 30' | Brown & Gray Silty Clay Loam - Mafic Rock |

SITE # 4

Elevation 98.1

DEPTH

TYPE SOIL

| | |
|-----------|-----------------------------------------|
| 0' - 4' | Red Clay Loam |
| 4' - 5' | Clay Loam - Saprolite Layers |
| 5' - 8' | Silty Clay Loam |
| 8' - 12' | Silty Clay Loam - Gray Mafic Rock |
| 12' - 14' | Silty Clay Loam - Yellow Red Mafic Rock |
| 14' - 19' | Silty Clay Loam - White Mafic Rock |
| 19' - 25' | Light Red & White Mafic Rock |
| 28' | Water Table |
| 28' - 35' | Yellow Red Silty Clay Loam |

SITE # 5

Elevation 103.8

| | |
|-----------|-------------------------------------------|
| 0' - 4' | Loam |
| 4' - 5' | Yellow Red Clay |
| 5' - 8' | Silt Loam - Pockets of Saprolite |
| 8' - 9' | Silty Clay Loam |
| 9' - 15' | Silty Clay Loam - Red & White Mafic Rock |
| 15' - 20' | Light Red & White Loam - Mafic Rock |
| 20' - 25' | Light Red & White Silt Loam - Mafic Rock |
| 25' - 45' | Light Gray Silty Loam - Mafic Rock |
| 45' | Water Table |
| 45' - 55' | Silty Clay Loam - Yellow & Red Mafic Rock |

SITE # 6

Elevation 60.5

| | |
|-----------|------------------------------|
| 0' - 4' | Loam |
| 4' - 6' | Yellow Clay Loam |
| 6' - 15' | Yellow - Red Clay Loam |
| 18' | Water Table |
| 18' - 25' | Silty Clay Loam - Mafic Rock |

JAMES E. STEWART AND ASSOCIATES

INCORPORATED

ENGINEERING :: SURVEYING :: LAND PLANNING

WESTERN BOULEVARD AT COUNTRY CLUB ROAD

P. O. DRAWER AD

JACKSONVILLE, NORTH CAROLINA 28540

919/455-2414

COST ESTIMATES
FEASIBILITY REPORTS — LAND SURVEYING
WATER SYSTEMS

LAND PLANNING
PRELIMINARY REPORTS — CONSTRUCTION PLANS
SEWAGE SYSTEMS

July 19, 1976

Sanitary Engineering Division
Solid Waste and Vector Control Section
North Carolina Department of Human Resources
Division of Health Service
P. O. Box 2091
Raleigh, North Carolina 27602



SUBJECT: Nash County Sanitary Landfill
Sidney A. Collie Property
Located on State Road No. 1411
Nash County, North Carolina

Gentlemen:

In accordance with instruction outlined in Department of Human Resources, Division of Health Services, Sanitary Engineer Section, Rules and Regulations providing Standards for Solid Waste Disposal, Bullentin No. 411 dated April 1971, we are enclosing three (3) copies of the following information for the subject Landfill.

- A. Plans: sheets 1 through 8 of 8, showing boundary, topography, water well location, drainage plan, etc.
- B. Operational Plan: outlines the procedures to be used, equipment to be used, population served, etc.
- C. Copy of Recorded Deed for Property
- D. Small scale map of Nash County showing location of Proposed Nash County Sanitary Landfill site.
- E. Copies of Bacteria analysis for existing, surrounding water wells.
- F. Soil boring information (two sheets).
- G. Copy of Site Approval from Mr. O. W. Strickland, dated January 29, 1976

In addition to the above, the following General Information is submitted:

1. The population to be served is 46,268 (by 1970 census), including all the towns and communities of Nash County except the City of Rocky Mount.

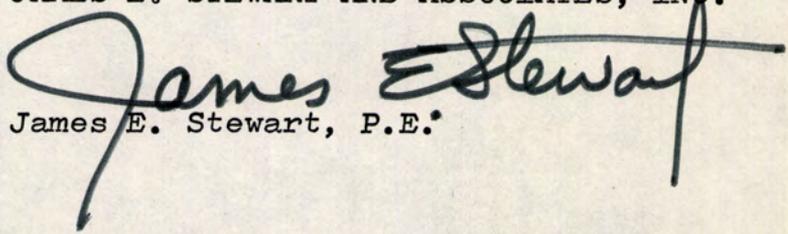
2. Anticipated type and source of material to be disposed of at the site will be household solid waste along with commercial and industrial refuse at an estimated average quantity of 251 cubic yards per day.
3. A description of systematic usage of the operation along with orderly development and completion of the landfill is as follows:
 - (a) The initial plan included the clearing of Area I, and all other areas required to construct the indicated trenches and area method that will serve Area I.
 - (b) The majority of the landfill will be operated by the area method for disposing of waste. The trenches to be constructed shall be approximately 25 feet wide, an average depth of 10.5 feet. The bottom of the trenches should be sloped to drain toward permanent drainage ditches. The bottom of the trench shall be a minimum of 4 feet above the water table. The cells constructed within the trenches shall be constructed in an orderly manner and compacted as densely as possible. The final cover shall be a minimum of 2 feet of compacted earth and shaped in a turtle back figuration to facilitate surface water run-off. The working face of the trench shall be maintained at approximately 30° and shall be covered daily with a compacted layer of at least six inches of earth. Upon approaching the end of a trench, an earth plug of at least 8 feet thickness shall be placed at the end of fill area in order to plug the trench and prevent leakage from entering the drainage system.
 - (c) Surface water will be diverted from the working area of the landfill by diversion ditches.
4. Mr. Jay Smith, Nash County Sanitarian will be responsible for the operation and maintenance of the site.
5. After the completion of the landfill, the site will be used for recreational facilities.
6. The anticipated lifetime of the project is 17 to 19.5 years.
7. There is no zoning within one quarter ($\frac{1}{4}$) mile of the site.
8. The major water course receiving drainage from the area is Reedy Creek and is located in the Southwest portion of the property.
9. Instructional signs will be posted at the site entrance and shall include: Hours of operation and instructions.

10. An attendant will be on duty at the site at all times during which the landfill is open.
11. The Landfill will be operated in accordance with the Solid Waste Management Rules as set forth by the Department of Human Resources, Division of Health Services, Sanitary Engineering Section.

Please review the enclosed plans for your approval. If an additional information is needed, please feel free to contact this office.

Very truly yours,

JAMES E. STEWART AND ASSOCIATES, INC.


James E. Stewart, P.E.

Enclosures

cc: Mr. Bennie Hicks, Nash County Health Dept.

OPERATIONAL PLAN
FOR
NASH COUNTY SANITARY LANDFILL
NASH COUNTY, NORTH CAROLINA

Outlined hereinafter is the Operational Plan for the Nash County Sanitary Landfill as proposed for the Sidney A. Collie farm site, including the population served, distances from the Municipalities served, equipment to be used, etc.

- A. The proposed landfill will serve the entire area of Nash County including rural citizens, industries and all municipalities therein with the exception of the City of Rocky Mount.

| <u>TOWNS</u> | <u>POPULATION SERVED</u> |
|--------------------------------|--------------------------|
| Nashville | 1780 |
| Spring Hope | 1380 |
| Sharpsburg | 890 |
| Battleboro | 830 |
| Bailey | 730 |
| Whitakers | 940 |
| Middlesex | 790 |
| Red Oak | 588 |
| Castalia | 270 |
| Nash County Rural | <u>38,070</u> |
| Nash County Total Served | 46,268 |
| Rocky Mount Excluded | <u>16,710</u> |
| Total Population - Nash County | 62,978 |

The Nash County Sanitary Landfill is centrally located so as to provide the most convenient access to all parts of the County. The distances to the landfill site from each of the nine (9) Municipalities participating are as follows:

| | |
|-----------------------------------------------------------|------------|
| Nashville | 14.0 miles |
| Spring Hope | 8.0 miles |
| Sharpsburg | 74.0 miles |
| Battleboro | 8.0 miles |
| Bailey | 16.5 miles |
| Middlesex | 17.2 miles |
| Frazier Crossroads - S.R. 1145 & 1137 Transfer Station | 18.0 miles |
| Whitakers | 16.0 miles |
| Red Oak | 4.0 miles |
| Castalia | 3.0 miles |

- B. The Municipalities would continue to haul their own waste or contract with a franchiser of their choice. The rural citizens would be served by a container system for disposal of refuse. The industries in the County will also have the option to haul their own waste, contract the hauling to the county, or a private franchiser.

The Sanitary landfill will offer the entire county of Nash, excluding the City of Rocky Mount, an adequate, sanitary method of solid waste disposal. However, since Rocky Mount will not be participating, the source of waste at this landfill site can be expected to be about twenty-eight percent (28%) from rural residential users, twenty-two percent (22%) from commercial users, twenty-four percent (24%) from municipal citizens, and twenty-six percent (26%) from the industries in the county. It has been estimated that approximately 301 cubic yards of solid waste per day will be handled at the site during peak operation periods. It is also recognized that during the first year of operation the estimated capacity will not be reached. This will be a period of education and experimentation until every one is fully aware of the services that the facility offers.

C. The Landfill will be in operation five and one-half ($5\frac{1}{2}$) days per week (Monday through Saturday). The hours which the gates will be open to the public will be from 8:00 A.m. until 5:00 p.m. (Monday through Friday) and 8:00 a.m. until 12:00 noon on Saturdays, Eastern Standard time and from 9:00 a.m. until 6:00 p.m. Daylight Savings Time (Monday through Friday) and 9:00 a.m. until 1:00 p.m. on Saturday. In addition, the operation hours will be one hour longer, in order to give the operator time to cover the compacted solid waste and service his equipment.

The Landfill will accept all solid wastes except those listed in the rules and regulations governing transportation, collection, and disposal of solid waste in Nash County. In addition, any materials such as tree limbs or stumps which do not require sanitary disposal shall be piled on portions of the site which are not acceptable for the use as sanitary fill areas.

D. The equipment which will be required to operate the site is as follows:

- (1) 1 - Compactor with Garbage Blade (Caterpillar No. 816)
- (2) 2 - Model 175 International Crawler tractors with 4 in 1 bucket
- (3) 1 - 25-ton Bucyler Erie Mobil Crane and Dragline attachment
- (4) 1 - Fire Cutter
- (5) 1 - Four wheel Paddle Scraper

The Man Power required to operate this equipment is as follows:

- (1) 3 Bulldozer operators
- (2) 1 Dragline operator
- (3) 1 Foreman
- (4) 1 Gatekeeper and reliefman
- (5) 1 Parttime man to operate tire cutter

- E. Jay Smith, County Sanitarian will be responsible for the Landfill Operations, and maintenance of the site.
- F. The 75.52 acre site to be used as a Sanitary Landfill to serve the citizens of Nash County is designed to be used as a county recreational facility following completion of landfill operations. Consideration will be given to the sites' final use when landscaping the surface of the sites.

- G. The average estimated disposal per day is approximately 251 cubic yards. It is generally estimated that the site will be used at a rate of 3 to 5 acres per year depending on a number of variables, such as types of equipment used, depth at which trenches can be dug, and variations in the amount of waste hauled to the site.
- H. The method of solid waste disposal will be a combination of area fill methods, and trench, as shown on accompanying maps. Each day, fill will be covered by six (6) inches of dirt and each completed trench will have at least two (2) feet of earth on top.

- I. Cover material will be obtained from on site excavations. Both trench and area fill disposal will provide enough cover for the six (6) inch daily cover and the two (2) foot final cover. Soil borings indicate that even at high water level there will be sufficient cover to meet state standards.

- J. The proposed landfill site is adequately drained and would only need minor repairs on the system due to its natural drainage from Reedy Branch which enters into Tar River well below Rocky Mount's water intake. Final grade will be left in such a manner as to provide adequate surface drainage during and after the use of the site.

SUMMARY OF SOLID WASTE COLLECTION
AND DISPOSAL SURVEY DATA
NASH COUNTY

Total Population: 62978
Urban: 24998 Rural: 38070

Total Area (Sq. mile) 55.2
Date Compiled: January 1976

| <u>UNIT</u> | <u>AREA SQUARE MILE</u> | <u>POPULATION</u> | <u>QUANTITY PER ANNUM CUBIC YARDS</u> | |
|------------------------|-------------------------|-------------------|---------------------------------------|------------------------------------------------------------|
| Rocy Mount (Excluded) | 5.0 | (16710)* | 33420* | 1.67 x 33.42* = 55.81 cu.yds* |
| Nashville | 1.0 | 1780 | 3560 | 1.67 x 35.60 = 5.94 cu.yds. |
| Spring Hope | 1.0 | 1380 | 2760 | 1.67 x 27.60 = 4.60 cu.yds. |
| Sharpsburg | 0.5 | 890 | 1780 | 1.67 x 17.80 = 2.97 cu.yds. |
| Battleboro | 0.5 | 830 | 1666 | 1.67 x 16.66 = 2.77 cu.yds. |
| Bailey | 0.7 | 730 | 1460 | 1.67 x 14.60 = 2.43 cu.yds. |
| Whitakers | 1.0 | 940 | 1888 | 1.67 x 18.88 = 3.13 cu.yds. |
| Middlesex | 0.5 | 790 | 1580 | 1.67 x 15.80 = 2.63 cu.yds. |
| Red Oak | 0.5 | 588 | 1176 | 1.67 x 11.76 = 1.95 cu.yds. |
| Castalia | 0.8 | 270 | 260 | 1.67 x 0.54 = 0.90 cu.yds. |
| Nash County | 552.0 | <u>38070</u> | <u>76140</u> | 1.67 x 76.14 = <u>127.15 cu.yds.</u> |
| | | 46268 | 125690 | 154.47 cu.yds. |
| Nash County Industries | | <u>16710</u> | <u>16000</u> | 1.67 x 16.0 = <u>26.72 cu.yds.</u> |
| | | 62978 | 141690 | |
| | | | <u>- 33420</u> | |
| | | | 108270 | 1.67 x 108.27 = 180.82 x 20 x 1.67 = 6039 cuyd/month |

* Excluded Rocky Mount

ANNUAL PRODUCTION:

$$365 \times 180.82 = 6560 \text{ cubic yards} = 6560 \times 27 = 177,120 \text{ cubic feet}$$

Area Requirement with depth of six (6) feet per one (1) year

$$\frac{177120}{6} = 29520 \text{ square feet or } \frac{29520}{43560} = 0.67 \text{ acres}$$

NOTE: 1650 cubic yards in an acre foot

50 acre feet per year

75.52

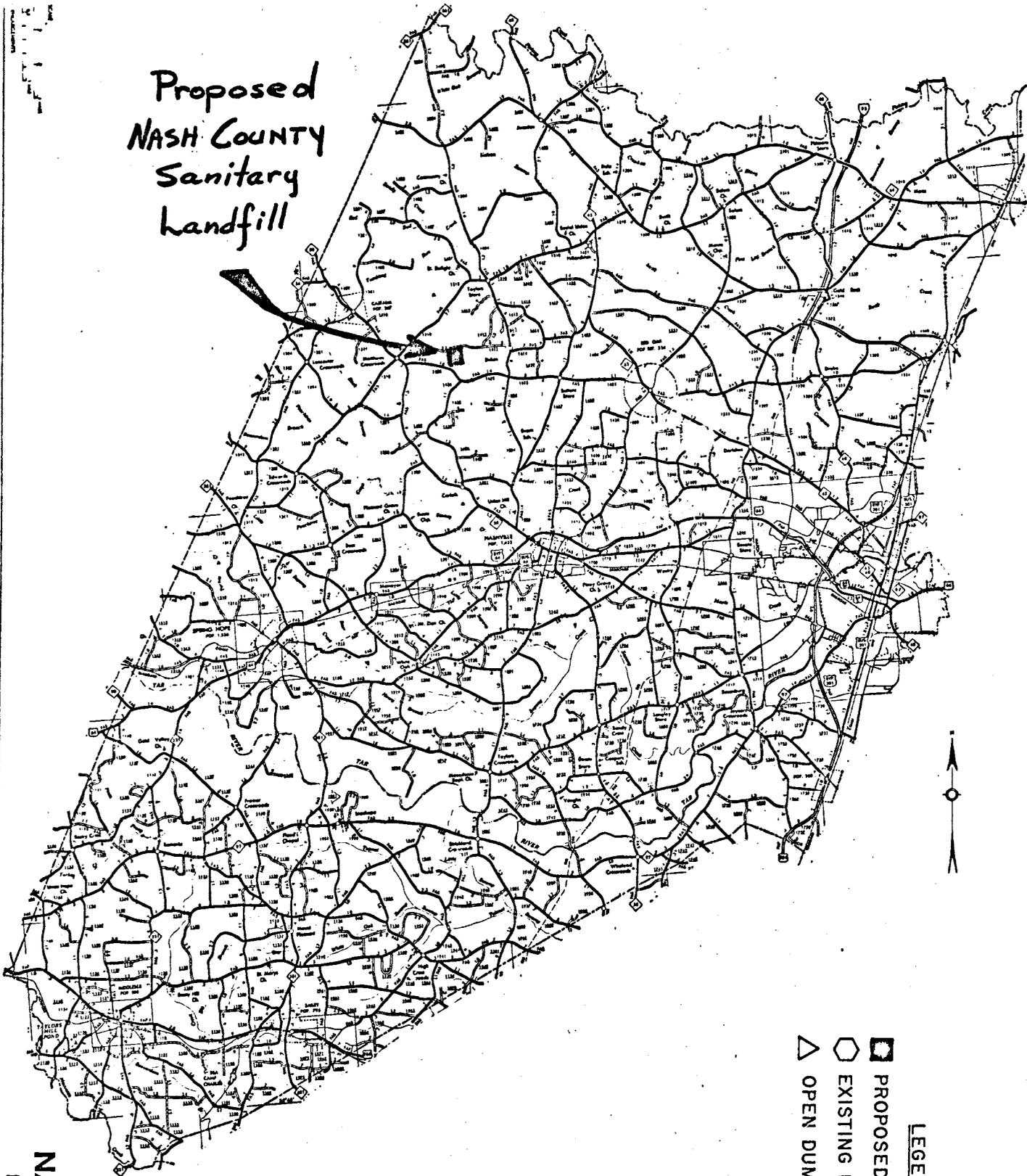
- 10.00

$$65.52 \times 15 = 9828 \div 50 = 19.5 \text{ years lifetime}$$

When allowance is made for the distance between cells, the required area would be slightly over one acre. In actual practice it has been found that for every 10,000 people, from 0.75 to 1.5 acre per year are required.

The above computation for the annual load requirement for a Community of 10,000 people is based on the assumption that the refuse is thoroughly compacted to a depth of 6 feet. The average weight of loose refuse is approximately 300 pounds per cubic yard and of properly compacted refuse is about 1200 pounds. Using this as a basis, a ton of compacted refuse would occupy 1.67 cubic yards.

Proposed
NASH COUNTY
Sanitary
landfill



LEGEND

- PROPOSED LANDFILLS
- EXISTING LANDFILLS
- △ OPEN DUMPS

NASH COUNTY
NORTH CAROLINA

N. C. State Board of Health, Laboratory Division, Raleigh, N. C. L1
 Certified Request For A Free Water Analysis

Name Of Owner or Tenant: VERNON TUCKER
Box 214 B Nashville NC County: Nash
 Source: Well (+) Spring () Other: _____
 Depth 55 ft. Pump: Hand Operated () Power Driven ()
 Collected By _____ Date 3-25-76 Time 11:17

(Mail Sample Immediately After Collection)

Signed: Jay W Smith
 (Indicate: M.D. or Sanitarian)
 Address: P.O. Box 49
Nashville N.C. 27857
ZIP CODE

Do Not Write Below This Line

| Bacteriologic Analysis | | | Physical Analysis | |
|------------------------|-----------------------------------------------|-----|-------------------|------------------|
| LB | COLIFORM | BGB | 0 | Sediment _____ |
| 1 | Not Found <input checked="" type="checkbox"/> | 1 | 0 | Odor _____ |
| 2 | | 2 | | Color _____ |
| 3 | Present <input type="checkbox"/> | 3 | | Turbidity _____ |
| 4 | | 4 | | Appearance _____ |
| 5 | MPN <input type="text"/> | 5 | | |

Key: V = Very, S = Slight, Mod = Moderate

| | | |
|------------------|----------|--------------------|
| Lab. No. | Received | Reported |
| <u>MAR 26 76</u> | | <u>MAR 30 1976</u> |

Reported By _____

N. C. State Board of Health, Laboratory Division, Raleigh, N. C. LF
 Certified Request For A Free Water Analysis

Name Of Owner or Tenant: RUBY COTTON
Rt 4 Box 212 NASHVILLE, N.C. County: NASH
 Source: Well () Spring () Other: _____
 Depth 45 ft. Pump: Hand Operated () Power Driven ()
 Collected By Jay Smith Date 3-25-76 Time 10:39
 (Mail Sample Immediately After Collection)

Signed Jay W. Smith Jr.
 (Indicate: M.D. or Sanitarian)
 Address P.O. Box 497
Nashville, N.C. 27856
ZIP CODE

Do Not Write Below This Line

| Bacteriologic Analysis | | | Physical Analysis | |
|------------------------|-----------------------------------------------|-----|-------------------|------------------|
| LB | COLIFORM | BGB | 0 | Sediment _____ |
| <u>1</u> | Not Found <input checked="" type="checkbox"/> | 1 | | Odor _____ |
| 2 | | 2 | | Color _____ |
| 3 | Present <input type="checkbox"/> | 3 | | Turbidity _____ |
| 4 | | 4 | | Appearance _____ |
| 5 | MPN <input type="text"/> | 5 | | |

Key: V = Very, S = Slight, Mod = Moderate

| Lab. No. | Received | Reported |
|---------------|------------------|--------------------|
| <u>262302</u> | <u>MAR 26 76</u> | <u>MAR 30 1976</u> |

Reported By _____

N. C. State Board of Health, Laboratory Division, Raleigh, N. C. *L.F.*
 Certified Request For A Free Water Analysis

Name Of Owner or Tenant: Samuel Hedgepeth
R. 4 Box 212 N Nashville County: Nash

Source: Well () Spring () Other: _____

Depth: _____ ft. Pump: Hand Operated () Power Driven ()

Collected By Jay Smith Date 3-25 Time 10:45

(Mail Sample Immediately After Collection)

Signed Jay Smith Jr.
 (Indicate M.D. or Sanitarian)

Address P.O. Box 497

Nashville, N.C. 27856

ZIP CODE

Do Not Write Below This Line

| Bacteriologic Analysis | | | | Physical Analysis | |
|------------------------|-----------------------------------------------|-----|---|-------------------|-------|
| LB | COLIFORM | BGB | 6 | Sediment | _____ |
| 1 | Not Found <input checked="" type="checkbox"/> | 1 | 0 | Odor | _____ |
| 2 | | 2 | | Color | _____ |
| 3 | Present <input type="checkbox"/> | 3 | | Turbidity | _____ |
| 4 | | 4 | | Appearance | _____ |
| 5 | MPN <input type="text"/> | 5 | | | _____ |

Key: V = Very, S = Slight, Mod = Moderate

| | | |
|---------------------------|------------------------------|--------------------------------|
| Lab. No. 262305 | Received MAR 26 76 | Reported MAR 30 1976 |
|---------------------------|------------------------------|--------------------------------|

N. C. State Board of Health, Laboratory Division, Raleigh, N. C. **LF**
 Certified Request For A Free Water Analysis

Name Of Owner or Tenant: NINA TUCKER
Rt 4 Box 214B Nashville, N.C. County: NASH
 Source: Well () - Spring () Other: _____
 Depth 32 ft. Pump: Hand Operated () Power Driven ()
 Collected By Jay W. Smith Date 3-25-76 Time 11:10
 (Mail Sample Immediately After Collection)

Signed Jay W. Smith Jr.
 (Indicate: M.D. or Sanitarian)
 Address P.O. Box 497
Nashville, N.C. 27856
 ZIP CODE

Do Not Write Below This Line

| Bacteriologic Analysis | | | Physical Analysis | |
|------------------------|---------------------------------------------|-----|-------------------|-------|
| LB | COLIFORM | BGB | Sediment | _____ |
| 1 | Not Found <input type="checkbox"/> | 1 | Odor | _____ |
| 2 | | 2 | Color | _____ |
| 3 | Present <input checked="" type="checkbox"/> | 3 | Turbidity | _____ |
| 4 | | 4 | Appearance | _____ |
| (5) | MPN <u>Not</u> | (5) | | |

Key: V = Very, S1 = Slight, Mod = Moderate

| | | |
|----------------------------|------------------------------|--------------------------------|
| Lab. No. 26233-1 | Received MAR 26 76 | Reported MAR 30 1976 |
|----------------------------|------------------------------|--------------------------------|

Reported By _____

N. C. State Board of Health, Laboratory Division, Raleigh, N. C. **LF**
 Certified Request For A Free Water Analysis

Name Of Owner or Tenant: VERNELL MOORE
Box 4 NASHVILLE County: NASH
 Source: Well Spring () Other: _____
 Depth: _____ ft. Pump: Hand Operated () Power Driven
 Collected By: Jay Smith Date 3-25-76 Time 10:30
 (Mail Sample Immediately After Collection)

Signed: Jay Smith
 (Indicate: M.D. or Sanitarian)
 Address: P.O. Box 497
Nashville, N.C. 27856
 ZIP CODE

Do Not Write Below This Line

| Bacteriologic Analysis | | | Physical Analysis | |
|------------------------|-----------------------------------------------|-----|-------------------|-------|
| LB | COLIFORM | BGB | Sediment | _____ |
| 1 | Not Found <input checked="" type="checkbox"/> | 1 | Odor | _____ |
| 2 | | 2 | Color | _____ |
| 3 | Present <input type="checkbox"/> | 3 | Turbidity | _____ |
| 4 | | 4 | Appearance | _____ |
| 5 | MPN <input type="text"/> | 5 | | |

Key: V = Very, S = Slight, Mod = Moderate

Lab. No. 262307 Received MAR 26 1976 Reported MAR 30 1976

262307 Mar 26, 76

Reported By _____

N. C. State Board of Health, Laboratory Division, Raleigh, N. C. **LF**
 Certified Request For A Free Water Analysis

Name Of Owner or Tenant: SIDNEY COOPER
RT 4 Box 216 NASHVILLE, NC County: NASH

Source: Well () Spring () Other: _____

Depth 57 ft. Pump: Hand Operated () Power Driven ()

Collected By Jay Smith Date 3/25/76 Time 10:25

(Mail Sample Immediately After Collection)

Signed Jay W. Smith Jr.
 (Indicate: M.D. or Sanitarian)

Address P.O. Box 497

Nashville, N.C. 27856
ZIP CODE

Do Not Write Below This Line

| Bacteriologic Analysis | | | Physical Analysis | |
|------------------------|---------------------------------------------|-----|-------------------|-------|
| LB | COLIFORM | BGB | Sediment | _____ |
| ① | Not Found <input type="checkbox"/> | ① | Odor | _____ |
| 2 | | 2 | Color | _____ |
| 3 | Present <input checked="" type="checkbox"/> | 3 | Turbidity | _____ |
| 4 | | 4 | Appearance | _____ |
| 5 | MPN <u>2.2</u> | 5 | | _____ |

Key: V = Very, S = Slight, Mod = Moderate

Lab. No. 262303 MAR 26 76

Received _____

Reported _____

MAR 30 1976

Reported By LF

N. C. State Board of Health, Laboratory Division, Raleigh, N. C. *LF*
 Certified Request For A Free Water Analysis

Name Of Owner or Tenant: Raymond Arrington
R.4 Box 210 Nashville County: Nash
 Source: Well () Spring () Other: _____
 Depth: ? ft. Pump: Hand Operated () Power Driven ()
 Collected By: Jay W. Smith Date: 3-25-76 Time: 10:40
 (Mail Samples Immediately After Collection)

Signed: Jay W. Smith
 (Indicate: M.D. or Sanitarian)
 Address: P.O. Box 497
Nashville N.C. 27856
 ZIP CODE

Do Not Write Below This Line

| Bacteriologic Analysis | | | | Physical Analysis | |
|------------------------|-------------------------------------|-----|-------------|-------------------|-------|
| LB | COLIFORM | BGB | 0 0 0 | Sediment | _____ |
| 1 | Not Found | 1 | | Odor | _____ |
| 2 | <input checked="" type="checkbox"/> | 2 | | Color | _____ |
| 3 | Present | 3 | | Turbidity | _____ |
| 4 | <input type="checkbox"/> | 4 | | Appearance | _____ |
| 5 | MPN | 5 | | | _____ |

Key: V = Very, Sl = Slight, Mod = Moderate

| | | |
|---------------------------|--------------------------------|--------------------------------|
| Lab. No. 262307 | Received MAR 26 1976 | Reported MAR 30 1976 |
|---------------------------|--------------------------------|--------------------------------|

Reported By _____

N. C. State Board of Health, Laboratory Division, Raleigh, N. C. L.F.
 Certified Request For A Free Water Analysis

Name Of Owner or Tenant: ~~J. J. Tucker~~ **JOE TUCKER**
R. 4 Nashville County: Nash

Source: Well () Spring () Other: _____

Depth 17 Pump: Hand Operated () Power Driven ()

Collected By Jay W. Smith Date 3-25-76 Time 11:07
 (Mail Sample Immediately After Collection)

Signed Jay W. Smith
 (Indicate: M.D. or Sanitarian)

Address P.O. Box 499
Nashville, N.C. 27856
 ZIP CODE

Do Not Write Below This Line

| Bacteriologic Analysis | | | Physical Analysis | |
|------------------------|---------------------------------------------|-----|-------------------|-------|
| LB | COLIFORM | BGB | Sediment | _____ |
| 1 | Not Found <input type="checkbox"/> | 1 | Odor | _____ |
| 2 | | 2 | Color | _____ |
| 3 | Present <input checked="" type="checkbox"/> | 3 | Turbidity | _____ |
| 4 | | 4 | Appearance | _____ |
| (5) | MPN <u>Not</u> | (5) | | |

Key: V = Very, S = Slight, Mod = Moderate

| | | |
|-------------------------------------|----------|--------------------------------|
| Lab. No. 262310 MAR 26 76 | Received | Reported MAR 30 1976 |
|-------------------------------------|----------|--------------------------------|

N. C. State Board of Health, Laboratory Division, Raleigh, N. C. L.F.
 Certified Request For A Free Water Analysis

Name Of Owner or Tenant: Frank Richardson
Rt 4 Box 214-A Nashville, N.C. County: NASH
 Source: Well () Spring () Other: _____
 Depth: 7 ft. Pump: Hand Operated () Power Driven ()
 Collected By: Jay Smith Date: 3-25-76 Time: 10:56
 (Mail Sample Immediately After Collection)

Signed: Jay W. Smith Jr.
 (Indicate: M.D. or Sanitarian)
 Address: P.O. Box 497
Nashville, N.C. 27856
 ZIP CODE

Do Not Write Below This Line

| Bacteriologic Analysis | | | | Physical Analysis | |
|------------------------|-----------------------------------------------|-----|------------------|-------------------|-------|
| LB | COLIFORM | BGB | 0 0 0 0 | Sediment | _____ |
| 1 | Not Found <input checked="" type="checkbox"/> | 1 | | Odor | _____ |
| 2 | | 2 | | Color | _____ |
| 3 | Present <input type="checkbox"/> | 3 | | Turbidity | _____ |
| ④ | | 4 | | Appearance | _____ |
| 5 | MPN <input type="text"/> | 5 | | | |

Key: V = Very, S = Slight, Mod = Moderate

| | | |
|---------------------------|------------------------------|--------------------------------|
| Lab. No. <u>262313</u> | Received <u>MAR 26 76</u> | Reported <u>MAR 30 1976</u> |
|---------------------------|------------------------------|--------------------------------|

Reported By _____

N. C. State Board of Health, Laboratory Division, Raleigh, N. C. L.F.
 Certified Request For A Free Water Analysis

Name Of Owner or Tenant: NELSON LYNCH
Rt 4 Box 216 NASHVILLE, N.C. County: NASH
 Source: Well () Spring () Other: _____
 Depth _____ ft. Pump: Hand Operated () Power Driven ()
 Collected By Jay Smith Date 3-25-76 Time 10:59
 (Mail Sample Immediately After Collection)

Signed Jay Smith Jr.
 (Indicate: M.D. or Sanitarian)
 Address: P.O. Box 497
Nashville, N.C. ZIP CODE 27856

Do Not Write Below This Line

| Bacteriologic Analysis | | | Physical Analysis | |
|------------------------|-----------------------------------------------|-----|-------------------|-------|
| LB | COLIFORM | BGB | Sediment | _____ |
| 1 | Not Found <input checked="" type="checkbox"/> | 1 | Odor | _____ |
| 2 | | 2 | Color | _____ |
| 3 | Present <input type="checkbox"/> | 3 | Turbidity | _____ |
| 4 | | 4 | Appearance | _____ |
| 5 | MPN <input type="text"/> | 5 | | |

Key: V = Very, S = Slight, Mod = Moderate

| | | |
|----------|-----------|-------------|
| Lab. No. | Received | Reported |
| 262306 | MAR 26 76 | MAR 30 1976 |

N. C. State Board of Health, Laboratory Division, Raleigh, N. C. LF
 Certified Request For A Free Water Analysis

Name Of Owner or Tenant: Joseph Richardson
R-4 Box 204 Nashville County: Randolph
 Source: Well () Spring () Other: _____
 Depth 7 ft. Pump: Hand Operated () Power Driven ()
 Collected By Jay Smith Date 3-25-76 Time 10:45
 Mail Sample Immediately After Collection

Signed Jay W. Smith Jr.
 (Indicate: M.D. or Sanitarian)
 Address P.O. Box 497
Nashville, N.C. 27856
77856
ZIP CODE

Do Not Write Below This Line

| Bacteriologic Analysis | | | Physical Analysis | |
|------------------------|-----------------------------------------------|-----|-------------------|--|
| LB | COLIFORM | BGB | Sediment | |
| 1 | Not Found <input checked="" type="checkbox"/> | 1 | Odor | |
| 2 | | 2 | Color | |
| 3 | Present <input type="checkbox"/> | 3 | Turbidity | |
| 4 | | 4 | Appearance | |
| 5 | MPN <input type="text"/> | 5 | | |

Key: V = Very, Sl = Slight, Mod = Moderate

| | | |
|------------------------|----------|--------------------|
| Lab. No. <u>262312</u> | Received | Reported |
| <u>MAR 26 76</u> | | <u>MAR 30 1976</u> |

Reported By _____

NORTH CAROLINA
NASH COUNTY

THIS DEED, made this 27th day of January, 1976, by
SIDNEY A. COLLIE and wife, JANE KING COLLIE, Grantors, to NASH
COUNTY, a body, corporate and politic, Grantee,

W I T N E S S E T H :

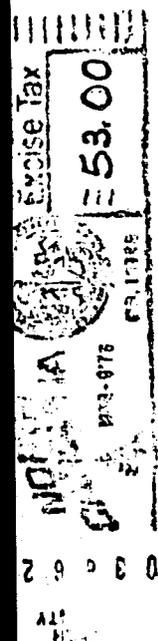
That the Grantors in consideration of Ten Dollars and other
valuable consideration to them paid by the Grantee, the receipt of
which is hereby acknowledged, have bargained and sold, and by these
presents do grant, bargain, sell and convey unto the Grantee, its
successors and assigns, the following described real estate in
Griffins Township, Nash County, North Carolina:

Beginning at a point in the center line
of S. R. 1411, corner between Sidney A. Collie and
Mary B. Cooper; thence along the dividing line between
Sidney A. Collie and Mary B. Cooper S. 7° 58' W.
2402.34 feet to a stake, corner of Vick, Mary B.
Cooper and Bass; thence along Bass' line S. 6° 26' W.
40.14 feet to an axle, corner between Sidney A. Collie
and Garland E. Strickland; thence along the dividing
line between Collie and Strickland N. 81° 47' W. 717.87
feet to an iron stake; thence N. 18° 26' W. 1258.9
feet to a stake; thence N. 35° 26' W. 419 feet to a
stake; thence N. 19° 37' W. 538.06 feet to a stake;
thence N. 13° 26' E. 219.42 feet to a stake; thence
N. 45° 20' E. 359.95 feet to a point in the center
line of S. R. 1411; thence along the center line of
S. R. 1411 S. 85° 15' E. 946.54 feet and S. 79° 26'
E. 628.80 feet to the point of beginning, containing
75.52 Acres.

Reference is made to deed in Book 879,
page 188, and to Map Book 1, page 75, Nash Registry.

The foregoing description was prepared
from map of property of Nash County made by William
B. McIntyre, C. E., December 3, 1975, recorded in
Map Book 11, page 239, Nash Registry.

TO HAVE AND TO HOLD the aforesaid real estate and all
privileges and appurtenances thereunto belonging to the said
Grantee, its successors and assigns forever.



And the said Grantors, for themselves, their heirs, executors and administrators, covenant with the Grantee, its successors and assigns that they are seized of said premises in fee and have the right to convey the same in fee simple; that the same are free from encumbrances except as herein set forth; and that they will warrant and defend the said title to the same against the claims of all persons whomsoever.

IN TESTIMONY WHEREOF, the said Grantors have hereunto set their hands and seals the day and year first above written.

Sidney A. Collie (SEAL)
Sidney A. Collie

Jane King Collie (SEAL)
Jane King Collie

NORTH CAROLINA

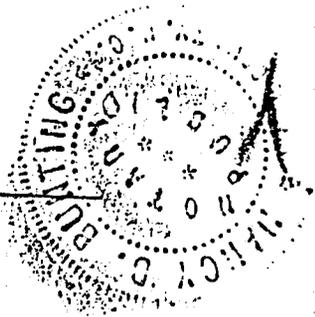
NASH COUNTY

I, Nancy Bunting, Notary Public, do hereby certify that SIDNEY A. COLLIE and wife, JANE KING COLLIE, Grantors, each personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this 18 day of February, 1976.

Nancy Bunting
Notary Public

My Commission Expires: ~~My~~ Commission Expires March 25, 1976



NORTH CAROLINA - NASH COUNTY

The foregoing or annexed certificate of _____

Nancy B. Bunting
is/are certified to be correct. Presented for registration and recorded in this office at Book 979, Page 813.
This 9 day of March, 1976 at 2:46 o'clock P. M.

Margaret B. Doughtie
Register of Deeds

By Joyce C. Joyner
Asst. Reg. of Deeds



STATE OF NORTH CAROLINA

JAMES E. HOLSHOUSER, JR.
GOVERNOR

DAVID T. FLAHERTY
SECRETARY

DEPARTMENT OF HUMAN RESOURCES

Division of Health Services

JACOB KOOMEN, M.D., M.P.H.
DIRECTOR

P. O. Box 2091

Raleigh 27602

January 29, 1976

Mr. Bennie W. Hicks
Nash County Health Department
P. O. Box 497
Barnes Street
Nashville, N. C. 27856

Dear Mr. Hicks:

Mr. James Sloan has presented the boring information on the proposed sanitary landfill site for Nash County, site located on S.R. 1411.

After reviewing the boring information, I feel that this is an excellent sanitary landfill site and I would recommend that the site be purchased.

Mr. Sloan will contact you with reference to a site visit with you and me to discuss the operational plans.

Sincerely,

A handwritten signature in cursive script, appearing to read "O. W. Strickland".

O. W. Strickland, Supervisor
Solid Waste Management Unit
Solid Waste & Vector Control Branch
Sanitary Engineering Section

OWS/ct

cc: Mr. Billy W. Morris

N. C. STATE BOARD OF HEALTH
CHECK-OFF SHEET FOR PROPOSED SANITARY LANDFILL SITES



334

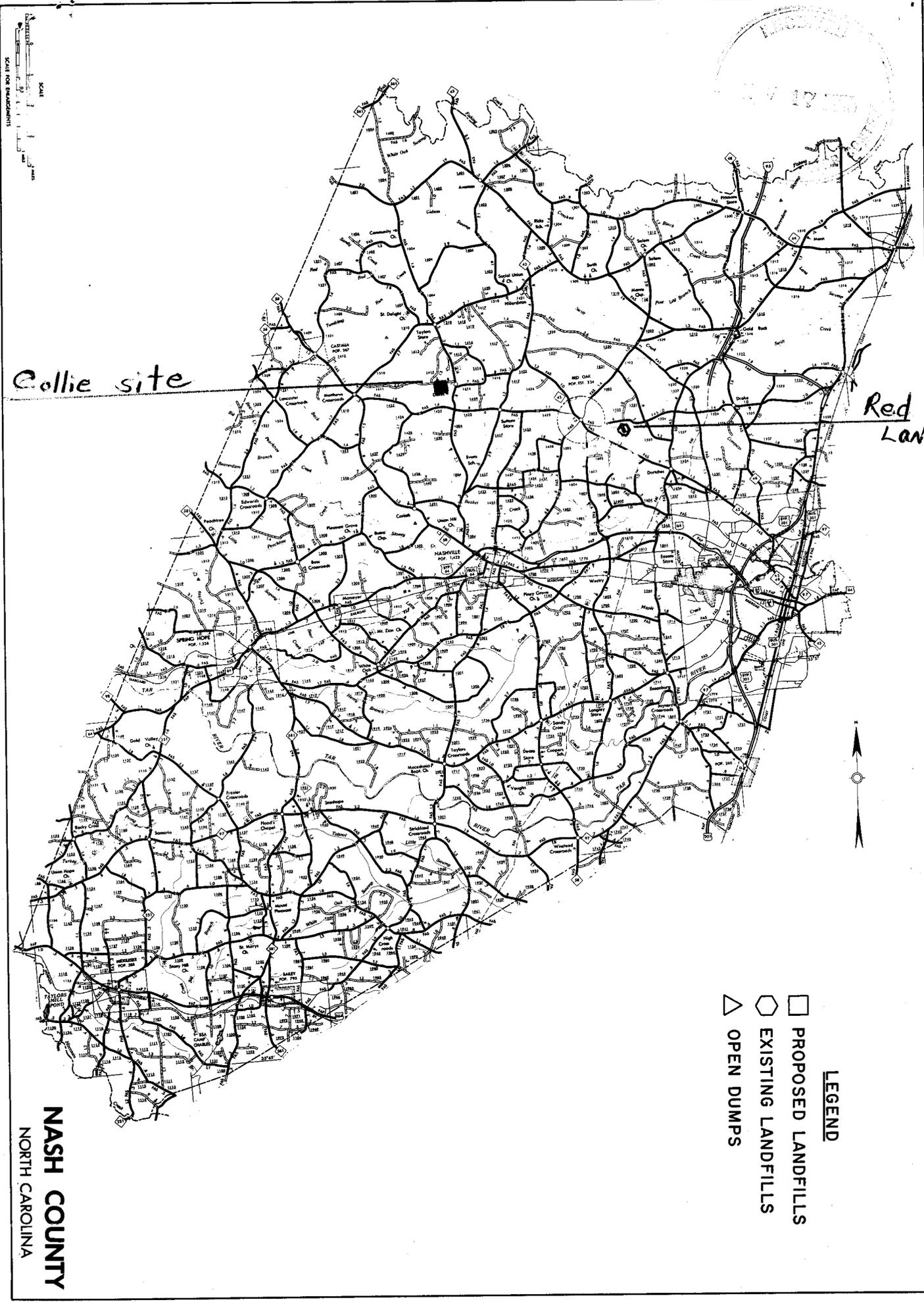
COUNTY Nash LOCATION S.R. 1411 (Duke Rd) ACRES 100 +
PROPERTY OWNER Sidney Collie PROPOSED OPERATOR Nash County

1. Is this site within the boundaries of a public water supply watershed? Watershed _____ YES _____ NO
2. Does any portion of this site contain floodplain areas? YES _____ NO
- *3. Are there public or private wells nearby that could be affected? YES NO _____
Nearest well in feet 300-400 ft. (Elaborate in Comments Section)
4. Are there springs present on the site? Number _____ YES _____ NO
- *5. Will this site require dyking? YES NO _____
6. Will this site require piping of surface drainage? YES _____ NO
7. Not precluding required boring information, does this site have adequate cover material for the sanitary landfill development? YES NO _____
8. Will this site require diversion of surface water? YES NO _____
Receiving stream for surface drainage from site Basket Creek
- *9. Will this site require extensive preparation, such as clearing? YES _____ NO
(Elaborate in Comments Section)
10. Will this site require a new all-weather access road? YES NO _____
(Elaborate in Comments Section)
11. Evaluate the following:

| | | | |
|-------------------------------------------------------------|-------------|-------------------------------------|------------------|
| | <u>POOR</u> | <u>GOOD</u> | <u>EXCELLENT</u> |
| A. Surface soil conditions as related to cover requirements | _____ | <input checked="" type="checkbox"/> | _____ |
| B. Location as related to population density | _____ | <input checked="" type="checkbox"/> | _____ |
| C. Accessibility to users | _____ | <input checked="" type="checkbox"/> | _____ |
12. Based on the observations made above and otherwise, do you recommend that the requestor proceed with the requirements of Section IX of the North Carolina State Board of Health "Rules and Regulations Providing Standards for Solid Waste Disposal"? YES NO _____
- *13. COMMENTS: (Include any requirements noted by you for the sanitary landfill development and operation) ③ Private wells across access road - drainage from site in opposite direction ⑤ Site will require some dyking on lower perimeters ⑥ Site consist mostly of cultivated farm land - will require access road (should enter site away from houses)
14. Number of borings recommended for a representative sampling of the site Six (6)
15. Percent of usable land 90%. Include sketch of site on back of this form.

11-13-75
(DATE)

Billy W. Morris
N. C. State Board of Health
District Sanitarian for Solid Waste
or
Sanitary Engineer



Collie site

Red Oak
Landfill

- LEGEND**
- PROPOSED LANDFILLS
 - EXISTING LANDFILLS
 - △ OPEN DUMPS

NASH COUNTY
NORTH CAROLINA



April 14, 1975

Mr. Bennie W. Hicks
Sanitarian Supervisor
Nash County Health Department
P. O. Box 497
Barnes Street
Nashville, N. C. 27856

Dear Mr. Hicks:

This office has just received a report of an inspection that was made on April 8, 1975, of the Nash County landfill by Mr. Billy Morris, District Sanitarian. *LR*

I am very much concerned as this inspection shows more violations than any previous inspection.

The operator of the site has changed in recent months; this makes us even more concerned with finding the problem or problems that have caused the daily operation at the site to deteriorate.

If Mr. Morris or I can be of assistance, please let us know.

Sincerely,

O. W. Strickland, Supervisor
Solid Waste Management Unit
Solid Waste & Vector Control Branch
Sanitary Engineering Section

OWS/ct

cc: Mr. L. R. Holoman, Jr.
Liebers Sanitation Service
Mr. Billy Morris

May 9, 1975

Dr. John S. Chamblee
Nash County Health Department
P. O. Box 497
Barnes Street
Nashville, N. C. 27856

JJR

Dear Dr. Chamblee:

I received your note requesting that I have someone check on the old solid waste disposal site at Nashville.

I talked by phone with Mr. Donald L. Rose, Public Utilities Director of the Town, and he informs me that no solid waste including limbs are being placed at the old site. He stated that a pile of sawdust had been burning but he was in the process of getting it out. He assured me he would have the fire out and the site free of all solid waste within seven days.

By a copy of this letter I am asking Mr. Billy Morris, District Sanitarian, to check the site on his next visit to the area.

If there are questions, please let me know.

Sincerely,

O. W. Strickland, Supervisor
Solid Waste Management Unit
Solid Waste & Vector Control Branch
Sanitary Engineering Section

OWS/ct

cc: Mr. Billy Morris
Mr. Donald L. Rose

Nash
JH

May 24, 1974

Mr. Ken Johnson
Utilities Superintendent
Masonite Corporation
P. O. Drawer 368
Spring Hope, N. C. 27882

Dear Mr. Johnson:

I have received your letter of May 21, 1974, with regard to the sludge from your plant.

The sludge with 4.5% solids is not suitable for landfilling.

The composition of the sludge is such that if the moisture content could be lowered so that we would be dealing with a solid product, then we would work with you on landfilling it under controlled conditions.

I would advise that you contact the Office of Water and Air for recommendations on disposing of liquid waste.

If your company plans to provide treatment to reduce the moisture content, please let us know well in advance of the installation so we can assist you in selecting and planning a landfill site.

Sincerely,

O. W. Strickland, Supervisor
Solid Waste Management Unit
Solid Waste & Vector Control Branch
Sanitary Engineering Section

OWS/ct
cc: Mr. Bill Morris



P. O. DRAWER 368, SPRING HOPE, NORTH CAROLINA 27882 ■ TELEPHONE 919/459-3141

*Peak
Call*



May 21, 1974

Mr. O. W. Strickland
Director Of Health Service
P. O. Box 2091
Raleigh, N. C. 27602

Dear Mr. Strickland;

In reference to our discussion on May 20, 1974 in regard to landfilling the sludge generated by our new waste treatment plant, this is the information you requested on the volume and sludge composition you would be handling.

June 1st - Waste effluent flow of 75 G. P. M., part of the new system in service. Sludge volume 3,000 cu. ft./day @ 4.5% solids.
Sludge Composition:

Phosphorus - 15#/day
Manganese - 9#/day
Phenol - 3#/day
Iron - 20#/day
Calcium - 400#/day
Nitrogen - 70#/day
Oil & Grease - 70#/day

January 1, 1975 - Waste effluent flow 150 G. P. M. complete new system in service. Sludge discharge from vacuum precoat filter.
Sludge Volume - 780 cu. ft./day @ 30% solids.
Sludge Composition: *450 cu. ft. - 6 3/4 (7' x 10')*

Phosphorus - 30#/day
Manganese - 17#/day
Phenol - 4 1/2#/day
Iron - 40#/day
Calcium - 721#/day
Nitrogen - 130#/day
Oil & Grease - 133#/day

I am looking forward to your reply on this problem.

Sincerely,

Ken Johnson
Utilities Superintendent

KJ:kp

June 17, 1974

✓ Mr. Jay Smith
Nash County Health Department
P. O. Box 497 *JJR*
Barnes Street
Nashville, N. C. 27856

Due to the problem in securing the equipment to implement a green box collection program in Nash County and with the consideration of using a transfer station for the southern part of the County, I would like to recommend that you give consideration to a forty Cu. Yd. container system.

We have had more experience with the large container programs now that some of our counties such as Montgomery and Cleveland are using this type program. It has proved highly successful in these counties.

It would also be possible to use the same type truck for your transfer station as for the large container program so the two would be very compatible. It would require just two trucks when you will need three for the program now planned. There is also much less upkeep on the roll-off truck compared to the mother truck.

Estimated Capital Investment and Annual Operating Cost
 For a 40 Cu. Yd. Container System
 for Nash County

| | <u>Initial Cost</u> | <u>Est. Life</u> | <u>Annual Cost</u> |
|------------------------------------------------------------|-------------------------|----------------------|------------------------|
| Ten sites @ 1/2 acre each | No cost | lease | |
| Site Preparation @ \$5000/site | \$ 50,000 | 10 | \$ 5,000 |
| **Containers (11 40 Cu. Yd.) | 33,000 | 10 | 3,300 |
| *Container Truck | 28,000 | 5 | 5,600 |
| One (1) Pick-up Truck | 3,000 | 5 | 600 |
| Fuel & Repairs | | | 15,000 |
| Truck Driver | | | 8,000 |
| Site Clean-up Man | | | 6,000 |
| Misc. (Lights, Container Repair, S.S., Insurance, etc.) | | | 6,000 |
| | <hr/> | | <hr/> |
| | \$114,000 | | \$49,500 |

*The truck used for the transfer station would also be used in this program.

**The one extra container would be used to take an empty and return with a loaded container.

O. W. Strickland, Supervisor
 Solid Waste Management Unit
 Solid Waste & Vector Control Branch
 Sanitary Engineering Section

cc: Mr. Bill Morris

Nash
JHR

January 17, 1974

Mrs. Carrie Williams
Post Office Box 26
Middlesex, North Carolina 27557

Dear Mrs. Williams:

Attached is a copy of a report that has been prepared by Mr. Billy W. Morris, District Sanitarian, following his investigation of your complaint regarding junked automobiles stacked near your church.

Very truly yours,

Sidney H. Usry, Head
Solid Waste & Vector Control Branch
Sanitary Engineering Section

bm

Attachment

cc: Mr. Billy W. Morris
Mr. Bennie Hicks

STATE BOARD OF HEALTH
SANITARY ENGINEERING DIVISION
RALEIGH, NORTH CAROLINA

REPORT OF INVESTIGATION OR INSPECTION OF Unsanitary litter in community

Place visited Middlesex, N. C. Date January 7 19 74

Address East Elm Street, Middlesex, N. C. Time spent 2 hours

By whom Billy W. Morris, District Sanitarian, Division of Health Services

Persons contacted Mrs. Carrie Williams and Mr. Preston Meacombs of the Town of Middlesex
(Owner, agent, tenant, manager, other)

Reason for visit Letter to Governor Holshouser from Mrs. Carrie Williams

Copies to: Mrs. Carrie Williams, P.O. Box 26, Middlesex, N. C. 27557
Mr. Bennie Hicks, Sanitarian Supervisor, Nash County Health Department, P. O.
Box 497, Nashville, N. C. 27856

REPORT:

This investigation was made in response to a letter from Mrs. Carrie Williams to Governor James E. Holshouser, Jr. concerning litter around the community church. (This same area was visited on May 24, 1973, by Mr. Fred J. Wood of this office.)

The problem that Mrs. Williams is referring to is a salvage business operated by Mr. Joshua Cameron and Mr. Ray Cameron. The Camerons' own several junked automobiles that are stacked around the church and property owned by the church.

Mr. Preston Meacombs with the Town of Middlesex was contacted. He produced a map of the town. From this map, we determined that the area in question is located just outside the city limits of Middlesex. Mrs. Williams produced a map of the church property. According to this map, it does appear that the junked automobiles are on church property. Mrs. Williams agreed that the Cameron's operation is a legitimate business and that her complaint is concerned with the cars being located on church-owned property.

Because this property is located outside the city limits, we recommended that Mrs. Williams contact the Nash County Sheriff's Department.

I agree with Mrs. Williams that the community is unsightly. Several problems in regard to garbage storage were noted at individual houses and at the church. Mr. Bennie Hicks, Sanitarian Supervisor, Nash County Health Department, said he would do a sanitary survey on the area in an effort to correct these problems.

BWM:bm

Handwritten initials: "DASH" and "WPK" in red ink.

November 19, 1973

Mrs. Carrie Williams
Post Office Box 26
Middlesex, North Carolina 27557

Dear Mrs. Williams:

The Governor has asked that I reply to your letter of November 6, 1973, regarding the automobile junk yard operating in your neighborhood.

Our investigation of your complaint in May and the report prepared by Mr. Fred J. Wood, District Sanitarian, indicated that this was a salvage business being operated by Mr. Ray Cameron. This type of business usually creates certain problems in all communities but is a legitimate and proper business and unless health laws are violated, it is rather difficult to alleviate some of the problems connected with it. In our report to you on June 6, 1973, Mr. Wood indicated that Mr. Cameron would take necessary action to alleviate some of the problems connected with the business.

It is my opinion that you should discuss the matter of the litter problem with the local town officials and request that they provide you assistance in this matter. I believe that the problem can only be alleviated by proper zoning and this would be the responsibility of the local town officials.

I am sending a copy of your letter to Mr. Fred J. Wood requesting that on his next visit into the area that he again discuss the problem with Mr. Ray Cameron.

If I can provide additional assistance, I shall appreciate hearing from you.

Very truly yours,

Sidney H. Usry, Head
Solid Waste & Vector Control Branch
Sanitary Engineering Section

SHU:bm

cc: Mr. Bennie Hicks
Mr. Fred J. Wood
Mr. David T. Flaherty (2)
Mr. Marshall Staton

REQUEST FOR ACTION

Control No. 1293 Referred To Dr. Koomen Date Received 11/18/73 Respond Within 72 hours

ORIGIN OF REQUEST: HOTLINE GOV. OFFICE SEC. OFFICE OTHER _____ SPECIFY _____

NAME: Mrs. Carrie Williams

ADDRESS: P O Box 216

CITY: Middlesex, N.C.

PHONE NO.: _____



Name: Williams, Carrie Control No. 1293
Date Received 11/15/73 Referred To: Mery
Date of Interim Reply _____ Date of Final Reply 11-19-73
Received By _____
Comments: _____

SYNOPSIS OF REQUEST

*Unpleasantly letter in community
see attached*

RECEIVED
NOV 15 1973

SANITARY ENGINEERING SECTION

ACTION TAKEN

See attached letter to Mrs. Williams

WHEN CHECKED PREPARE RESPONSE FOR GOVERNOR'S SIGNATURE SECRETARY'S SIGNATURE
 IMMEDIATE TELEPHONE RESPONSE REQUESTED

From _____

GOVERNOR HOLSHOUSER'S OFFICE

To Wane Florenty Date: _____

PLEASE:

- Draft a reply for the Governor's signature.
- Reply, noting the letter was referred to you by the Governor.
- Phone me at your convenience.
- For your information.
- Investigate.
- Sign.
- Approve.

AND:

- Return the attached material.
- For your files.

REMARKS:

Phil

#1293

NOV 13 1973

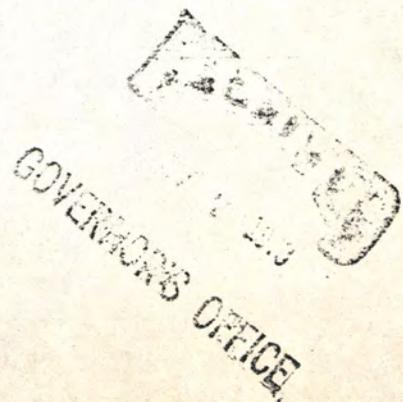
Nov 6 1973

P.O. Box 26

Middlesex N.C.

Dear Governor Holshouser Please be advise
that the unsightly Litter has not yet
been moved from around our Community
As yet Mr. Flaherty and the Health men
from Nashvillie has been and ask
Mr. Ray Cameron Promis that he
would move it all off Every one
land and put it on his land but
he has not move it and is still put
more on the other Please if you can
have it move from around
our Churches and Clean up this
side of town Thank you
Mr. Holshouser

This is from Mrs. Carie Williams
and the Community People of
Middlesex N.C.



Nash
J+K

mt

June 6, 1973

Mrs. Carrie Williams
Middlesex
North Carolina 27557

Dear Mrs. Williams:

The following report has been prepared by Mr. Fred J. Wood, District Sanitarian, after investigating your complaint concerning a litter problem in Middlesex, North Carolina.

If this office can be of additional assistance, I shall appreciate hearing from you.

Very truly yours,

Sidney H. Usry, Chief
Solid Waste & Vector Control Section
Sanitary Engineering Division

SHU:bn

Attachment

cc: Mr. Bennie Wicks
Mr. Fred J. Wood
Mr. David T. Flaherty (2)
Mr. Marshall Staton

STATE BOARD OF HEALTH
SANITARY ENGINEERING DIVISION
RALEIGH, NORTH CAROLINA

REPORT OF INVESTIGATION OR INSPECTION OF Litter Problem

Place visited Middlesex, N. C. Date May 24 19 73

Address East Elm Street, Middlesex, N. C. Time spent 2 hours

By whom Mr. Fred J. Wood, District Sanitarian, N. C. State Board of Health

Persons contacted Mrs. Carrie Williams, Mrs. Joshua Cameron, Mr. Ray Cameron
(Owner, agent, tenant, manager, other)

Reason for visit Complaint from Mrs. Carrie Williams

Copies to: Governor James E. Holshouser, Jr.
Mrs. Carrie Williams
Mr. Bennie Hicks, Sanitarian Supervisor, Nash County Health Department, P. O. Box
497, Nashville, N. C. 27856

REPORT:

This investigation was made in response to a letter from Mrs. Carrie Williams to Governor Holshouser regarding a litter problem in Middlesex.

I contacted Mrs. Williams at her home. Mrs. Williams said she was concerned about junk cars near her house and the church she attends. Mrs. Williams said the junk cars were owned by Mr. Joshua Cameron and Mr. Ray Cameron.

I contacted Mr. Ray Cameron and he said they were in the salvage business and the cars and other scrap metal were a necessary part of their business. However, he said they had recently purchased a truck and had begun hauling some of the junk cars to a salvage company in Raleigh.

I agree with Mrs. Williams that junk cars and other scrap metal in a residential neighborhood is unsightly. However, it appears to be a legitimate business that could only be eliminated by town zoning laws.

Mr. Ray Cameron promised me they would take steps to improve the appearance of the operation.

FJW:bm

December 18, 1973

Mr. J. W. Smith Jr.
Sanitarian
Nash County Health Department
P. O. Box 497
Barnes Street
Nashville, N. C. 27856

Dear Mr. Smith:

Enclosed you will find the information concerning the
estimated cost analysis on Plan #1 and Plan #2 for Nash
County.

Great care should be exercised in site selection no
matter which plan the County decides to implement.

If this office can provide additional information,
please let us know.

Sincerely,

O. W. Strickland, Supervisor
Solid Waste Management Unit
Solid Waste & Vector Control Branch
Sanitary Engineering Section

OWS/ct
Enclosures

cc: Mr. Billy Morris

NORTH CAROLINA STATE BOARD OF HEALTH
Raleigh, North Carolina

INVOICE NUMBER

74 29

*CK # 6341
\$46.80
deposited Budget
12-14-73*

DATE

11 9 73

TO Nash County Health Department
P. O. Box 497
Barnes Street *lrx*
Nashville, N. C. 27856

FROM Solid Waste & Vector Control Branch
Sanitary Engineering Section

| QTY | DESCRIPTION | UNIT PRICE | AMOUNT |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------|
| 100 | lbs. Warfarin Concentrate Sales Tax Picked up by Mr. Redmond Carpenter, Dog Warden, on 11/8/73. | 45 | 45 00 1 80 |

TOTAL 46 80

PLEASE MAKE CHECK PAYABLE TO:

NORTH CAROLINA STATE BOARD OF HEALTH

SBH Form 1575 (7/72)
Supply and Service

PLEASE RETURN DUPLICATE
COPY WITH REMITTANCE

TO Mr Ashton

TIME _____ DATE 11-8-73

While You Were



Mr Redmond Carpenter

of Dog Warden, Nash Co.

Phone No. _____

Telephoned

Please phone

Came to see you

Will call again

Message Picked up 100 lbs.

Warfarin for Nash County

Health Department as per

Mr Usry.

Burda

Taken by

Nash County JHP

I. I inspected the old Nashville dump on August 21, 1973. This site has a gate that is left open during the day. There is a large amount of uncovered waste on the site and some of it appears to be recently dumped. At the time of my visit the dump was burning. The site needs to be closed and access prevented. The town does haul to the landfill. Would you please write to:
Mr. Rex Paramore, Mayor
Town of Nashville

II. I inspected the old Castalia dump on August 21, 1973. The dump has not been closed out and individuals are still dumping in the area. The site needs to be covered and access prevented. Castalia is hauling to the Red Oak Landfill. Please write:
Mr. Charles Cone, Mayor
Town of Castalia

— Bennie Hicks, Sanitarian Supervisor
Nash Co. Health Dept. would like
copies of the letters.

Billy Morris

Billy M.

Dush
LK

May 18, 1973

Mrs. Carrie Williams
Middlesex
North Carolina 27557

Dear Mrs. Williams:

The Governor has asked that I reply to your letter of May 1, 1973, concerning the unsightly litter and solid waste problem in your area of Middlesex.

I am sending a copy of your letter to Mr. Fred J. Wood, District Sanitarian, requesting that he investigate the conditions described and prepare recommendations for the alleviation of the problem. He will contact you at the time of his investigation.

Very truly yours,

SHU

Sidney H. Usry, Chief
Solid Waste & Vector Control Section
Sanitary Engineering Division

SHU:bm

cc: Mr. Fred J. Wood
Mr. David T. Flaherty (2)
Mr. Marshall Staton



STATE OF NORTH CAROLINA
 DEPARTMENT OF HUMAN RESOURCES
 325 NORTH SALISBURY STREET
 RALEIGH 27611

JAMES E. HOLSHOUSER, JR.
 GOVERNOR



DAVID T. FLAHERTY
 SECRETARY

TELEPHONE
 919/629-4534

MEMORANDUM

To: *Dr. Koomen*
Board of Health

From: Joseph Balak
 Special Assistant to the Secretary

Subject: 3 Letters to the Governor
 _____ Letters to the Secretary

RECEIVED
 MAY 14 1973
 SANITARY ENGINEERING
 DIVISION

The attached correspondence has been referred from the Office of the Governor/Office of the Secretary to this Department and, in turn, is being referred to your agency for appropriate action and direct reply to the writer. Guidance from the Governor's Office stressed the importance of promptness, courtesy, and correctness of the replies. Pending finalization of a system for handling correspondence of this type, the following will apply:

- a. Replies must be factually correct and respond to each question or situation presented.
- b. If a complete reply cannot be made within 72 hours, an interim reply will be made indicating, of course, that the matter is being investigated, etc., and that a final reply will be forthcoming.
- c. The reply, or the interim reply if one is required, will begin: "The Governor/Secretary has asked that I reply to your letter of (Date or 'recent letter' if not dated) concerning _____."

Two copies of the reply or interim reply will be forwarded to this office. The original letter to the Governor/Secretary will accompany the copy of the final reply.

Attachment(s): *Mrs Carrie Williams, 5/1/73, #381*
~~*Mrs Paul Jones, 5/1/73, #382*~~
~~*Mrs Susan Clark, 5/6/73, #386*~~



COPY

STATE OF NORTH CAROLINA
GOVERNOR'S OFFICE
RALEIGH 27611

JAMES E. HOLSHOUSER, JR.
GOVERNOR

May 8, 1973

Middlesex State
AWR Control #387

Mrs. Carrie Williams
Middlesex
North Carolina

Dear Mrs. Williams:

Thank you for your recent letter concerning the unsightly litter in certain areas of Middlesex.

I have forwarded your letter to Mr. David Flaherty, Secretary of Human Resources. He will be getting in touch with you relative to this problem.

Should you need to contact my office again, please do so. We stand ready to assist you in any way possible.

Sincerely,

James E. Holshouser, Jr.

JEHjr/cdc

CC: Mr. David Flaherty

Ms. J. Halady

May 1 1973

Middlebuck

Dear Mr. Halshouser the
Governor of North Carolina
Please be advise that I
am a citizen of North
Carolina and I live in
Middlesex NC and I
wish you or some of
your cabinet staff would
just come down and
view our side of town
there is so much junk
on the side of the street
and around the old
school building that
you just cant ~~see~~
clean up as we desire
and around the church
is and we have ask

Our law hear to have
it move but they
have not done any
thing about it now
what can we do we
The C C Club & Boy
scouts have ask
Every one to let us
clean up in April but
they the owner of the
junk wont listen
so please help us
Thank you
Mrs Carrie Williams

RECEIVED

MAY 8 1973

GOVERNOR'S OFFICE



fresh
dk

STATE OF NORTH CAROLINA
DEPARTMENT OF HUMAN RESOURCES

STATE BOARD OF HEALTH

P. O. Box 2091
RALEIGH 27602

August 31, 1972

ROBERT W. SCOTT
GOVERNOR

LENOX D. BAKER, M.D.
SECRETARY

JACOB KOOMEN, M.D., M.P.H.
STATE HEALTH DIRECTOR AND
SECRETARY-TREASURER

W. BURNS JONES, JR., M.D., M.P.H.
ASSISTANT STATE HEALTH DIRECTOR

Ms. Juanita A. Moore
Town Clerk
Town of Sharpsburg
Sharpsburg, North Carolina 27878

Dear Ms. Moore:

We are in receipt of your letter of intent pursuant to Section XIII of the North Carolina State Board of Health "Rules and Regulations Providing Standards for Solid Waste Disposal." Your proposal to utilize the county operated disposal facility is acceptable provided the county program is implemented within the time schedule required by these regulations.

At the time the county disposal program is implemented, you will be required to close your present disposal site in accordance with the requirements of Section XIII - C of the regulations.

Very truly yours,

Sidney H. Usry

Sidney H. Usry, Chief
Solid Waste & Vector Control Section
Sanitary Engineering Division

SHU:bm

cc: Mr. Fred J. Wood

Wood

Town of Sharpsburg

INCORPORATED 1883

Sharpsburg, N. C. 27878

August 28, 1972

RECEIVED

Mr. Sidney Usery
Sanitation Engineering Div.
N. C. Board of Health
Raleigh, N.C.

AUG 31 1972

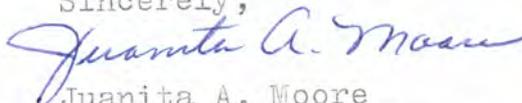
SANITARY ENGINEERING
DIVISION

Dear Mr. Usery:

The Town of Sharpsburg has been granted permission by the Red Oak Dump in Nash County to handle the garbage from the Town of Sharpsburg. The Town cannot possibly purchase a packer truck during this budget but plans to purchase one next year. We will use our present truck and put a tarpoline over the trash.

Mr. Fred Woods came down today and looked over our present landfill and said he would be in contact with you in the very near future concerning it.

Sincerely,



Juanita A. Moore
Town Clerk, Sharpsburg

January 20, 1971

Dr. J. S. Chamblee
Health Director
Nash County Health Department
Post Office Box 497
Nashville, North Carolina 27856

Dear Dr. Chamblee: *J+R*

The two county solid waste ordinances that I am enclosing may give you some ideas that you may want to use in an ordinance for Nash County. There is very little in these ordinances concerning fees so I will give you some figures that are representative across the State.

Once per week collection, two 32-gallon cans per home, back-yard pickup, \$2.50 to \$3.50 per month, with an additional 50¢ per month fee for each additional can.

Twice per week collection with other restrictions, same as above, \$4.00 to \$5.00 per month.

The fees charged industrial, institutional, and commercial establishments should be an agreement between the contract hauler and the establishment with the commissioners only getting involved when the two parties cannot agree.

If I can provide additional information, I shall appreciate hearing from you.

Very truly yours,

Sidney H. Usry, Chief
Solid Waste & Vector Control Section
Sanitary Engineering Division

OWS:bm
Enclosure

*Nash
JLR*

November 23, 1970

Mr. Thomas McKeel
Route 1
Bailey, North Carolina 27807

Dear Mr. McKeel:

In reply to your request, I am enclosing a copy of "Refuse Disposal by Sanitary Landfill."

This publication will provide you with the basic information in regard to the proper operation of a sanitary landfill for solid waste disposal. If you intend to provide a sanitary landfill in the area, it will be necessary that the site selected be approved by the personnel of the North Carolina State Board of Health under authority granted by the 1969 General Assembly. Site selection and approval is necessary in order to assure that the site is suitable and will not contribute to other forms of pollution in the area.

The Nash County officials are in the process of establishing a county-wide disposal system and I would suggest that you contact Dr. J. S. Chamblee or Mr. J. W. Smith of the local health department in regard to the county plan.

If this office can provide you with additional assistance, I shall appreciate hearing from you.

Very truly yours,

Sidney H. Usry, Chief
Solid Waste & Vector Control Section
Sanitary Engineering Division

SHU:bm

cc: Dr. J. S. Chamblee

Nash
EAR

**STATE OF NORTH CAROLINA
DEPARTMENT OF WATER AND AIR RESOURCES**

ROBERT W. SCOTT
GOVERNOR

P. D. DAVIS
J. NELSON GIBSON, JR.
WAYNE MABRY
HUGH L. MERRITT
LEE L. POWERS
J. AARON PREVOST
W. GRADY STEVENS



S. VERNON STEVENS, JR.
CHAIRMAN

P. GREER JOHNSON
VICE-CHAIRMAN

RAYMOND S. TALTON
JOSEPH E. THOMAS
GLENN M. TUCKER
H. W. WHITLEY

GEORGE E. PICKETT, DIRECTOR
TELEPHONE 829-3003
E. C. HUBBARD, ASST. DIRECTOR
TELEPHONE 829-3006
RALEIGH, N. C. 27611
P. O. Box 27048

In Replying Refer To:
WQ7OTFA

October 5, 1970

RECEIVED

OCT 7 1970

**SANITARY ENGINEERING
DIVISION**

TO: Mr. Randolph Hendricks
Planning Coordinator
State Planning Division
Department of Administration
Raleigh, North Carolina

FROM: Mr. D. L. Coburn, Chief *D.L.C.*
Water Quality Division
Department of Water and Air Resources

SUBJECT: Clearinghouse Notification No. 71-0138

Wadeham-Crisp

Subject notification has to do with proposed solid waste facilities for the County of Nash.

The North Carolina State Board of Health has primary jurisdiction in connection with approval of solid waste facilities and this Department has no comment on these facilities at this time.

cc: Mr. T. F. Armstrong
Mr. Joe L. Hudson
Mr. ~~Sidney Usry~~ ✓
Mr. C. R. Smart, Jr.

Nash
SHU

September 25, 1970

Mr. Randolph Hendricks
Planning Coordinator
State Planning Division
Clearinghouse & Information Center
Department of Administration
Raleigh, North Carolina 27602

Re: Clearinghouse Notification No. 71-0138

Dear Mr. Hendricks:

The Nash County Board of Commissioners requested assistance in planning an effective solid waste disposal program for their county. This plan has been completed and presented to the county officials and I understand that they are in the process of implementing this plan.

I would appreciate any consideration that might be given in providing financial assistance to this project.

Very truly yours,

Sidney H. Usry, Chief
Solid Waste & Vector Control Section
Sanitary Engineering Division

SHU:bm
cc: Mr. B. Gene Barrett

DEPARTMENT OF ADMINISTRATION
State Planning Division
Clearinghouse and Information Center
Raleigh, North Carolina 27602

RECEIVED

SEP 24 1970

NOTIFICATION REFERRAL

SANITARY ENGINEERING
DIVISION

ACTION REQUESTED

To: Name B. Gene Barrett, Planning Officer
Agency State Board of Health

Re: Clearinghouse Notification No. 77-0138

The attached Notification to Clearinghouse of Intent to Apply for Assistance is referred to you for review and comment in accordance with Project Notification and Review System procedures established under Bureau of the Budget Circular No. A-95.

RESPONSE REQUESTED BY October 8, 1970

In each response, please refer to the Clearinghouse Notification No. shown above. If your agency does not wish to submit written comments, you may respond by telephone.

It is recommended that you contact the applicant directly if your agency needs additional information on the proposed application, or if there are any questions which may be resolved in this way.

Please reply to: Randolph Hendricks, Planning Coordinator
State Planning Division
Telephone 829-4131

NOTIFICATION TO CLEARINGHOUSE OF INTENT TO APPLY FOR ASSISTANCE

Date September 18, 19 70

I. IDENTITY OF THE APPLICANT AGENCY, GOVERNMENTAL UNIT, ORGANIZATION, OR INDIVIDUAL:

Name County of Nash

Address _____

Nashville, North Carolina 27856

Name of Chief Executive Officer J. C. Ellis

Title of Chief Executive Officer County Manager

Individual who will be responsible for preparation of application or proposal:

Name Jay W. Smith, Jr. Title Sanitarian

Address P. O. Box 497

Nashville, North Carolina 27856 Telephone No. 459-2158

II. A. AREA TO BE AFFECTED BY PROPOSED PROJECT (Municipality(s), Township(s), County(s), etc.): Nash County

B. BENEFICIARIES (Clientele Group) OF THE PROPOSED PROJECT: All Citizens of Nash County except residents of Municipality of Rocky Mount

III. ANTICIPATED DATE FORMAL APPLICATION WILL BE SUBMITTED: October 18, 19 70
(Must be at least 60 days after submission of this form to the appropriate clearinghouse(s), State and Regional or Metropolitan).

IV. SOURCE OF GRANT-IN-AID ASSISTANCE TO BE REQUESTED:

A. Name of Federal Agency Farmers Home Administration

B. Name of Federal Grant-in-Aid Program Rural Water and Waste Disposal

C. Name of Private Foundation or Other Source _____

V. ESTIMATED COSTS AND SOURCES OF FUNDING:

A. State Agency Contribution: In-Kind \$ _____

Name of Agency _____ Cash \$ _____

B. Local Governmental Unit Contribution: In-Kind \$ _____

Municipality or County County of Nash Cash \$ 63,000.

C. Other non-Federal Contribution: In-Kind \$ _____

Source _____ Cash \$ _____

D. Federal Grant-in-Aid Funds to be Requested. \$ 35,000

Federal Loan Funds to be Requested. \$ _____

E. TOTAL ESTIMATED COSTS \$ 98,000

F. Budget Period(s) for State Agency or Local Government Contribution:

FY 1970-71 % 50; FY 1971-72 % 50

(All information submitted with this notification will be made available to the appropriate State agencies, and each agency will be invited to submit comments, supportive or critical).

VI. A. If any State agency(s) and/or Regional Planning Agency has been consulted or has furnished information relative to the proposed project, list individual agency staff members contacted and agencies they represent.

Name Mr. O. W. Strickland Agency State Board of Health

Name _____ Agency _____

Name _____ Agency _____

B. List any other State agencies which might have an interest in or be affected by the proposed project.

VII. DESCRIPTION OF THE PROPOSED PROJECT:

A. Title Solid Waste Disposal for Nash County

B. Objective To provide and operate five sanitary landfills for the disposal of solid waste throughout the county.

C. Narrative Statement of the Need for Grant-in-Aid Assistance and Justification for the Proposed Project:

County resources are inadequate to provide the entire cost of the project.

Attach additional sheets if necessary to present complete information and justification, and mail completed form to:

Randolph Hendricks, Planning Coordinator
State Planning Division
Clearinghouse and Information Center
P. O. Box 1351
Raleigh, North Carolina 27602

NASH COUNTY SOLID WASTE PROGRAM
BUDGET
1970 - 1971

SECTION A

ANNUAL OPERATION COST:

| | |
|---------------------------------------------------------|------------------|
| One (1) Loader Operator @ \$6,000 | \$ 6,000 |
| Fuel and Repair | 3,600 |
| Equipment Depreciation | 4,000 |
| Miscellaneous (Site Pre. - Access Road, etc.) | 4,000 |
| | <u>\$17,600*</u> |

SECTION B

CAPITAL INVESTMENT:

Sites:

Five (5) sites - 10 acres each ?

Equipment:

| | |
|---------------------------------------|------------------|
| One (1) Loader - medium | \$ 28,000 |
| One (1) Dump Truck | 6,000 |
| One (1) Tilt Body Trailer | 3,000 |
| One (1) Structure @ \$3,000 | 3,000 |
| | <u>\$ 40,000</u> |

SECTION C

CAPITAL INVESTMENT FOR FIRST YEAR:

| | |
|------------------------------------------------------|-----------------|
| 1/3 of Total Capital Investment (\$40,000) | \$13,334 |
| Interest @ 8% | 2,134 |
| Operation Cost (*From Section A) | 17,600 |
| | <u>\$33,068</u> |

Projected operation cost of Red Oak Landfill for six (6) months. This is anticipating that the present method of operation (contractual) will be deleted as soon as the County has its own equipment and operator to take this over.

OPERATION COST - RED OAK Landfill:

\$750 per month for 6 months = \$ 4,500 4,500

GRAND TOTAL \$37,568

September 15, 1970

Dr. John S. Chamblee
Health Director
Nash County Health Department
Nashville, North Carolina 27856

SHU
Dear Dr. Chamblee:

I appreciate a copy of the bid proposal on heavy equipment that you provided this office. It appears that this proposal is very complete.

I have made arrangements for Mr. Jerry C. Perkins to be at your office on Monday, October 5, 1970, to assist in making a decision following the bid opening.

Very truly yours,

Sidney H. Usry, Chief
Solid Waste & Vector Control Section
Sanitary Engineering Division

SHU:bm

NASH COUNTY HEALTH DEPARTMENT

COOPERATING WITH
N. C. STATE BOARD OF HEALTH

NASHVILLE, N. C. 27856

JOHN S. CHAMBLEE, M. D.
DIRECTOR

September 9, 1970

RECEIVED

SEP 10 1970

SANITARY ENGINEERING
DIVISION

Mr. Sidney H. Usry, Chief
Solid Waste & Vector Control Section
Sanitary Engineering Division
N. C. State Board of Health
Raleigh, North Carolina

Dear Sid:

I am enclosing a bid proposal on heavy equipment for Nash County as I thought you might like to have one for your files. Please ask Mr. Strickland to check them over and if he sees anything wrong with it to call me immediately.

The bid opening will be on Monday, October 5th at 12:00 Noon and I am requesting that Mr. Strickland or someone from your department who is very familiar with this type of equipment to be present to help us in making a decision as far as the equipment meeting our needs.

Sincerely yours,

John S. Chamblee

John S. Chamblee, M. D.
Health Director

JSC/bb

enclosure

SPECIFICATIONS

FOR

ONE CRAWLER TRACTOR LOADER & TILT TRAILER

COUNTY OF NASH

NASHVILLE, NORTH CAROLINA

12:00 Noon MONDAY

OCTOBER 5, 1970

ADVERTISEMENT FOR BIDS
COUNTY OF NASH
NASHVILLE, NORTH CAROLINA

ONE CRAWLER TRACTOR LOADER AND TILT TRAILER

Pursuant to Section 143-129 of the General Statutes of North Carolina, sealed proposals endorsed One Crawler Tractor Loader and Tilt Trailer to be furnished to the County of Nash, Nashville, North Carolina, will be received by the County Health Director's Office in the Nash County Health Department, Nashville, N. C., until 12:00 noon D.S.T., October 5, 1970, immediately after which time they will be publicly opened and read at the County Commissioners' Room, Nash County Court House, Nashville, N. C. A deposit of cash, certified check, cashier's check, or bid bond in the amount of 5% of the proposal shall accompany the proposal as required by law. Details as to complete specifications for the equipment desired may be obtained upon application to the County Health Director's Office, Nash County Health Department, Nashville, North Carolina. The Board of Commissioners of Nash County reserves the right to reject any and all bids. This the

For the Board of Commissioners of
Nash County

J. S. Chamblee, M.D.
County Health Director

September 9, 1970

Published date - Rocky Mount Evening Telegram

COUNTY OF NASH

INSTRUCTIONS TO BIDDERS

BID DEPOSIT REQUIREMENTS:

No proposal shall be considered or accepted by said board or governing body unless at the time of its filing the same shall be accompanied by a deposit with said board or governing body of cash, cashiers check, or a certified check on some bank or trust company insured by the Federal Deposit Insurance Corporation, in an amount equal to or not less than five percent (5%) of the proposal. In lieu of making the cash deposit as above provided such bidder may file a bid bond executed by a corporate surety licensed under the laws of North Carolina to execute such bonds conditioned that the surety will upon demand forthwith make payment to the obligee upon said bond if the bidder fails to execute the contract in accordance with the bid bond and upon failure to forthwith make payment the surety shall pay to the obligee an amount equal to double the amount of said bid bond. This deposit shall be retained if the successful bidder fails to execute the contract within ten days after the award or fails to give satisfactory surety as required herein.

BIDS ACCOMPANIED BY A BANK MONEY ORDER, POSTAL MONEY ORDER, OR SIMILAR DEPOSIT SHALL NOT BE CONSIDERED.

PERFORMANCE BOND REQUIREMENTS:

No performance bond will be required.

RIGHT TO REJECT BIDS:

The County of Nash reserves the right to reject any or all bids or to waive any and all informalities therein, and the award shall, if made, be made to the lowest responsible bidder taking into consideration quality, availability of service facilities and the time specified in the proposal for performance of the contract.

EXCLUSION OF TAXES FROM BID:

Bidders shall exclude Federal Excise and Transportation Tax from their bids. North Carolina Sales Tax (3%) shall be shown as a separate item on all bids.

PAYMENT:

Payment is to be based on a Lease-Buy agreement over a three year period of time with payments to be made annually. County of Nash shall have the option of paying the balance owed on the contract at any time it so desires during the contract period with a deduction of any unearned interest at the time of payment, plus any further cash discounts offered in the proposal by the contracting company.

STANDARD FORM REQUIREMENTS:

Proposals must be on standard forms furnished by the County of Nash.

TIME FOR OPENING OF BIDS:

Proposals will be opened promptly and read at the hour and on the date set forth in the advertisement, in the County Commissioners' Room, Court House, Nashville, N. C. Bidders or their authorized agents are invited to be present.

Bid opening - 12:00 noon D.S.T. Monday, October 5, 1970 in the County Commissioners' room, Nash County Court House, Nashville, North Carolina.

Bids shall be directed in a sealed envelope to Dr. John S. Chamblee, Health Director, Nash County Health Department, P. O. Box 497, Nashville, N. C. 27856 and shall have the notation "Heavy Equipment Bid" - Bid Opening 12:00 noon D.S.T., October 5, 1970.

It shall be the responsibility of the bidder to insure that his bid is received by Dr. John S. Chamblee, Health Director, Nash County Health Department, P. O. Box 497, Nashville, N. C. 27856, by the time stated herein.

SPECIFICATIONS FOR DIESEL
CRAWLER LOADER TRACTOR
1 3/4 CUBIC YARD CLASS

The crawler tractor loader with multi-purpose bucket is to be used to operate sanitary landfills. The tractor is to be Caterpillar 955 K or International 175 B or equal. Units offered under this advertisement shall be new, standard models of the latest design in current production.

Bidders must submit with their bid the latest printed specifications and advertising literature on the unit they propose to furnish.

Bidder shall supply one parts book, one service and repair manual and one operators' manual with each unit.

The bidder shall list on a separate sheet of paper any variations from or exceptions to, the conditions and specifications of this bid. This sheet shall be labeled "Exception(s) to Bid Conditions and Specifications", and shall be attached to the bid.

Tractor to be delivered to Nashville, North Carolina.

The price or prices quoted shall include all transportation charges fully prepaid to the city of Nashville, North Carolina.

North Carolina sales tax to be shown as a separate item and not included in unit or bid price.

Delivery can be made in _____ calendar days from date of award.

The tractor must be warranted for 6 months, or more if specified by the manufacturer.

BASIC MACHINE SPECIFICATIONS

ENGINE: To be four (4) cycle, four (4) or six (6) cylinder, water cooled with 24 volt direct electrical starting. If the engine requires cold weather starting aids, these are to be furnished. Engine to develop 115 net flywheel horsepower as applied in the tractor. Air cleaner to be dry type, self cleaning with safety elements and filter service indicator.

DRIVE TRAIN: Single state torque converter, power shift transmission with two (2) speeds forward and reverse. Transmission selector so designed that the tractor can not be started while the transmission is engaged. Steering clutches and brakes enclosed and running in oil. Transmission filters to be so located that the floor board does not have to be removed for servicing. Steering to be accomplished through foot pedals or hand levers.

UNDERCARRIAGE: Track rollers shall be permanently lubricated and protected with full length guards. Track length on ground to be minimum of 85 lineal inches. Track adjustor to be hydraulic type. Track gauge to be ^{minimum of} 62 inches. Ground contact area minimum of 2569 square inches and 15" semi-grouser shoes. Track pin and bushing to be sealed type.

BUCKET AND HYDRAULICS: To be multi-purpose 4 in 1 type, 1 3/4 cubic yard capacity Drott or equal with Bucket teeth. The hydraulic system to be closed type with full filter protection. Automatic bucket repositioner and automatic boom kickout to be included.

ACCESSORIES: Front pull hook, hourmeter, color coded instrument gauges, adjustable seat, crankcase guards, hood side plates, sprocket guards, idler guards, heavy duty tract roller guards, drawbar, rain cap, front and rear working lights. A fully enclosed metal cab with safety glass, hot water type heater, defroster fan and windshield wiper. Cab body to be cut from steel plate, key locking door handles and door hold backs and roof ventilators. Cap locks for fuel tank and hydraulic tank - to prevent vandalism.

WEIGHT: Basic machine to weigh no less than 28,000 pounds with standard equipment as advertised on current specifications.

OPTIONAL EQUIPMENT: Fan, reversible blade. Tool kit (open-end wrenches, and grease gun). If not standard equipment.

OPTIONS

I. Re-purchase guarantee:

The bidder guarantees to repurchase the machine from Nash County, at the end of 5,000 hours of operation as recorded by the engine hour-meter, or 5 years from date of delivery, whichever occurs first, upon request by Nash County at the price indicated in bidders proposal. This specification is subject to the following conditions:

1. Nash County will maintain the equipment in accordance with manufacturer's recommendations. The bidder has the right to inspect the equipment at any time and make recommendations for repairs, improved maintenance, etc., which Nash County will follow to the best of its ability.
2. The equipment will be operated by Nash County personnel for landfill operations, excavating, bulldozing, land clearing and other purposes for which the equipment is designed.
3. Nash County shall have the right to sell, lease, trade, or otherwise dispose of the equipment at any time. Such action, however, will immediately release the bidder from all obligations to repurchase the equipment.
4. At the time of repurchase by the bidder, no undercarriage component will be worn beyond the service limits recommended by the manufacturer for economical rebuild and turning or replacing pins and bushings.

SPECIFICATIONS ON TILT TRAILER

Tilt to load trailer suitable for transporting the crawler loader tractor which is to bid on in this bid proposal. Trailer to be such that it can be pulled by a dump truck.

Tilt trailer to be similar to Miller Tilt Trailer QT-32,000, equal or better.

SPECIFICATIONS TO BE AS FOLLOWS:

1. Load capacity 32,000 pounds.
2. Length approximately 18 feet.
3. Width approximately 8 feet.
4. Height approximately $34\frac{1}{4}$ inches.
5. Construction to be high strength design consisting of two structural steel beams installed lengthways. Complete unit to be electrically welded with adequate cross braces. Deck is to be two inch oak bolted down four places crossways and is to be completely flat with no beavertail or ramp. Deck to tilt open or closed with one man's weight allowing loading or unloading of tractor without skids or ramps. Deck shall be equipped with hydraulic cylinder designed to cushion the opening and closing of the platform. The platform lock must adjust itself for wear and hold tilt platform tight and rattle free. The suspension shall be tandem axle walking beams, individually suspended, and shall have dual wheels - "total of eight (8) wheels and tires". Axle spacing on walking beam to be 48 inches. The tires must be nylon tube type, 7.50 X 15, 12 ply. Brakes shall be electric type with kit to operate trailer brakes from cab of truck to be supplied. The electrical system is to be heavy duty neoprene jacketed cable wiring. Wiring is to be color coded and protected in critical areas. Lights shall consist of dual stop lights - class A, turn signals - class A, side marker lamps shall be installed, one on each side and one on rear of platform. Lights shall also include one for license plate. Reflectors shall be installed - two on rear and two on each side of trailer. Each of the trailer's electrical circuits must be protected from overload by the use of automatic circuit breakers. The tongue design shall be the thru pole type with the suspension system attached directly to the tongue. It is to be counterbalanced, allowing ease of hitching and unhitching by one man. The hitch is to be heavy duty pintle type. Inside diameter of eye to be three (3) inches, must be adjustable for various hitch heights. Tongue stand shall be adjustable screw type with swing back feature. Two safety chains, four feet long with grab hooks shall be provided. Chains must be welded to tongue.

Trailer to be delivered to Nashville, North Carolina. Transportation charges fully pre-paid to Nashville, North Carolina.

The County of Nash reserves the right to accept or reject any or all bids.

(continued-Specifications On Tilt Trailer)

Bidders must submit with their bid the latest printed specifications and advertising literature on the unit they propose to furnish.

The bidder shall list on a separate sheet of paper any variations from or exceptions to, the conditions and specifications of this bid. This sheet shall be labeled "Exception(s) to Bid Conditions and Specifications", and shall be attached to the bid.

PROPOSAL
 CRAWLER TRACTOR LOADER AND TILT TRAILER
 COUNTY OF NASH
 NASHVILLE, NORTH CAROLINA

The undersigned bidder hereby declares that he has carefully examined the specifications herein referred to and will provide all equipment and options as required under these specifications for the following sum, to wit:

One Crawler loader tractor described as follows:

| Unit Price | Lease-Buy (3 yrs.) | N.C. Sales Tax |
|------------|--------------------|----------------|
| \$ _____ | \$ _____ | \$ _____ |

Optional Equipment:

Fan - Reversible Blade \$ _____

Tool Kit (open-end wrenches and grease gun). \$ _____

Total for Optional Equipment \$ _____ \$ _____

Sub - total \$ _____ \$ _____

Days delivery after acceptance of bid and execution of contract _____

Re-purchase agreement @ 5 years and/or 5,000 hours \$ _____

 Firm Name

 Officer's Signature Title

 Street Address

Date: _____

 City

PROPOSAL - Crawler Tractor Loader and Tilt Trailer - page 2

Tilt Trailer described as follows:

Bid Price \$ _____ N.C. State Sales Tax \$ _____

Grand Total of Tractor and Trailer \$ _____ \$ _____

Days delivery after acceptance of bid and execution of contract _____

Certified check, Cashier's Check or Cash for \$ _____ or bid bond for
\$ _____ enclosed.

Firm Name

Officer's Signature Title

Street Address

DATE: _____

City

EXCEPTION (S) TO BID CONDITIONS AND SPECIFICATIONS

Crawler Tractor Loader:

Tilt Trailer:

Firm Name

Officer's Signature

Title

August 6, 1970

John S. Chamblee, M.D.
Health Director
Nash County Health Department
Post Office Box 497
Nashville, North Carolina 27856

J. R.
Dear Dr. Chamblee:

In reply to your request concerning assistance in preparation of specifications for landfill equipment, I regret that I do not have this information readily available. I can assure you that I will try to prepare suitable information that might be used for this purpose. As soon as this information is available, I will send it to you.

I am glad to hear that the county is preparing to implement a solid waste disposal program and if this office can provide you with assistance as this plan develops, I shall appreciate hearing from you.

Very truly yours,

Sidney H. Usry, Chief
Solid Waste & Vector Control Section
Sanitary Engineering Division

SHU:bm

NASH COUNTY HEALTH DEPARTMENT

COOPERATING WITH
N. C. STATE BOARD OF HEALTH

NASHVILLE, N. C. 27856

JOHN S. CHAMBLEE, M. D.
DIRECTOR

August 3, 1970

RECEIVED

AUG 4 1970

SANITARY ENGINEERING
DIVISION

Mr. Sid Usry
Sanitary Engineering Division
N. C. State Board of Health
Raleigh, North Carolina

Dear Sid:

We are at the point of expanding our Solid Waste Program in Nash County and our next big move will be to advertise for equipment. We plan to get the larger tractor with suitable trailer and dump truck now and I would appreciate it if you all could send me specifications to be used in our advertisement for bids. Possibly you have some that were used in other counties or a stock set which would suit our purposes.

Your anticipated cooperation will be appreciated.

With warmest regards, I am

Sincerely yours,

John S. Chamblee
John S. Chamblee, M. D.,
Health Director

JSC/bb

*Nash
WR*

January 29, 1970

Mr. Larry Whitehurst
Federal Home Administration
Nashville, North Carolina

Dear Mr. Whitehurst:

Mr. Parks has requested that I send you the attached copy of the Solid Waste Disposal Plan for Nash County.

Our representative in the area, Mr. Fred Wood, is on sick leave, but as soon as he returns to work, I will have him contact you and discuss this program in detail.

Very truly yours,

Sidney H. Usry, Chief
Insect and Rodent Control Section
Sanitary Engineering Division

SU/mg

cc: Mr. Fred Wood

*Nash
Co*

January 22, 1970

Mr. Carl Parks
Federal Housing Administration
1330 St. Mary's Street
Raleigh, North Carolina

Dear Mr. Parks:

I am enclosing a copy of the Nash County Solid Waste
Disposal Plan that you requested in our recent conference.

Very truly yours,

Sidney H. Usry, Chief
Insect and Rodent Control Section
Sanitary Engineering Division

SU/mg