152PRLFSF545

DocumentID	PRLF009
SITENAME	BLADEN
DocumentType	Correspondence (C)
RptSegment	1
DocDate	1/20/2010
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Box	SF545
AccessLevel	Public
Division	Waste Management
Section	Superfund
Program	IHS (IHS)
DocCat	Facility

NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management
Dexter R. Matthews
Director

Beverly Eaves Perdue
Governor

Dee Freeman
Secretary

1/20/2010

Mr. Greg Martin
Bladen County Manager
PO Box 14048
Elizabethtown, NC 28337

Subject: Pre-Regulatory Landfill Sites in Bladen County

Dear Mr. Martin:

The General Assembly of North Carolina enacted Senate Bill 1492 which created a program to assess the public health and environmental hazards at landfill and dump sites that operated prior to 1983 and to develop and implement remedial action plans at sites requiring remediation. The Pre-Regulatory Landfill Unit (Unit) was created in the Inactive Hazardous Sites Branch (IHSB) to oversee these activities. The purpose of this letter is to make you aware of the sites identified in your county and to provide general guidance of relevant state statutes.

Based on the information obtained by the Unit, the sites listed below tentatively qualify under Senate Bill 1492.

ID Number	Site Name	Site Address
NONCD0000148	Bladenboro Refuse Disposal	West Bladen St, Bladenboro
NONCD0000147	Clarkton Refuse Disposal	Brown Marsh Rd, Clarkton
NONCD0000144	Dublin Refuse Dump	Rice Pond Rd, Dublin
NONCD0000145	Elizabethtown Refuse Disposal	Queen St, Elizabethtown
NONCD0000143	Tar Heel Refuse Disposal	Tar Heel Ferry Rd, Tar Heel
NONCD0000146	White Lake Refuse Dump	East Williams St, White Lake

Work at these sites may be performed using the Unit's resources or through local government actions. The Unit has prioritized the sites statewide based on their threat to public health and the environment and will perform assessments and implement remedial actions based on this priority. Local governments may opt to perform the work at any time under the guidance of the Unit. Reimbursement of local government costs may be available for assessments and remedial actions to abate an imminent hazard as funds are available. The conditions for reimbursement include approval of the assessment and remediation plan by the Unit and certified accounting of costs. A document, IHSB *Guidelines for Addressing Old Landfills & Dumps*, was developed to assist local governments and the Unit in this work. It is available on our web site, http://wastenotnc.org/sfhome/IHSBRNCH_OldLandfills.HTM , for your review.

An additional purpose in notifying you of these sites is to provide information to assist in your responsibilities in the permitting of private drinking water wells. The General Assembly enacted

legislation which required local health departments to implement programs for the permitting, inspecting, and testing of private drinking water wells by July 1, 2008. State well construction standards in 15A NCAC 2C require a minimum horizontal separation of 500 feet between a water supply well and a landfill or disposal site. More precise location information for the sites in your county may be requested from the Unit.

If you are aware of additional sites, have additional information on the identified sites, or need further information, please contact me at (919) 508-8484.

Sincerely,

Aaron Shear, Hydrogeologist
Pre-Regulatory Landfill Unit
Inactive Hazardous Sites Branch
Superfund Section

cc: Mr. Wayne Steward – Bladen County Health Director

NCDENR

North Carolina Department of Environment and Natural Resources

Dexter R. Matthews, Director

Division of Waste Management

Michael F. Easley, Governor
William G. Ross Jr., Secretary

February 26, 2007

<SAL> <FIRST> <LAST>, County Manager
County of <MUNICIPALITY>
<ADDRESS>
<TOWN>, North Carolina <ZIP>

Subject: Assessment, Cleanup, and Redevelopment of Old Landfill Sites Within Your Jurisdiction

Dear <SAL> <LAST>:

Governor Easley released his proposed budget February 22, 2007. Included in the budget is a specific item I believe should be of interest to you from a fiscal, environmental and public health protection perspective.

There are approximately 700 old landfills statewide and <LANDFILL#> old landfills in your local area that closed before the State permitting system became effective. These landfills are listed on the Old Landfill Sites portion of the Inactive Hazardous Sites Inventory maintained by the Superfund Section, Division of Waste Management. Any person, including local governments, that arranged for disposal or disposed of waste in the landfills may be held liable for the cleanup of the site. I have attached a report that identifies the location of known old landfill sites in <COUNTY NAME> County that may have closed prior to 1983 and thus qualify for the program described in this letter.

The Division has surveyed old landfills in 47 counties. The results of the survey indicate reason for concern about potential public health and safety impacts of these sites if they are not addressed. Seventy percent of the sites surveyed had a school, church, residence, day care or drinking water source within 1000 feet. The Division has found 102 old landfills that have a drinking water well within 500 feet. Thirteen of the landfills surveyed have residences built over the old landfill. The cost of assessment and cleanup of these old landfill sites can be as high as several million dollars.

Governor Easley's budget establishes a partnership between the State and local governments to both clean up the old landfill sites and provide funding for redevelopment of the sites. Many are in prime locations for redevelopment opportunities. The Governor's budget proposes to pay for cleanup and redevelopment of these sites through a surcharge on disposal of solid waste. The funding mechanism is a fair one. It is based on the idea that those who use solid waste disposal facilities should share responsibility for cleanup of sites used for solid waste disposal in the past that may have been lawful at the time, but did not meet standards that we now know are necessary to protect public health and safety.

The proposed $2.00 per ton disposal surcharge would apply to residential, commercial, industrial, and construction and demolition debris type waste that is either disposed at a landfill or passes through a transfer station for disposal out-of-state. The State would use revenue from the surcharge to contract for cleanup of the old landfill sites and to provide grants to local government for redevelopment. The funds could also be used across the state to clean up other hazardous substance disposal sites that have no viable responsible party.

The only tool currently available to the State to ensure cleanup when it is needed is an enforcement action against those who owned, operated, or contributed to old landfills. The Governor's proposal would avoid placing an unreasonable

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone 919-508-8400 \ FAX 919-715-3605 \ Internet http://wastenotnc.org

burden on any one local government and allow us to use our resources for actual cleanup rather than legal action. When old landfill sites were in use, North Carolina citizens, businesses, and industries benefited from their existence as a place to dispose of waste. The surcharge on waste disposal is a way for citizens, businesses, and industries to form a partnership for cleanup and redevelopment of these old landfill sites.

There is great interest this session of the General Assembly in strengthening requirements for landfills permitted in North Carolina. I encourage you to take a close look at legislation that will be introduced, specifically this initiative and what it can bring to your jurisdiction.

If you have questions regarding the program for clean-up of old landfills, please contact Jack Butler, Chief of the Superfund Section, at jack.butler@ncmail.net or call (919)508-8450.

Sincerely,

Dexter R. Matthews, Director

cc: David Thompson, NCACC
Jack Butler, Chief – Superfund Section

NCDENR

North Carolina Department of Environment and Natural Resources

Dexter R. Matthews, Director

Division of Waste Management

Michael F. Easley, Governor
William G. Ross Jr., Secretary

February 27, 2007

<SAL> <FIRST> <LAST>
<TITLE>, <MUNICIPALITY>
<ADDRESS>
<TOWN>, North Carolina <ZIP>

Subject: Assessment, Cleanup, and Redevelopment of Old Landfill Sites Within Your Jurisdiction

Dear <SAL> <LAST>:

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There is great interest this session of the General Assembly in strengthening requirements for landfills permitted in North Carolina. I encourage you to take a close look at legislation that will be introduced, specifically this initiative and what it can bring to your jurisdiction.

If you have questions regarding the program for clean-up of old landfills, please contact Jack Butler, Chief of the Superfund Section at jack.butler@ncmail.net or (919) 508-8450.

Sincerely,

Dexter R. Matthews, Director

cc: Ellis Hankins, NCLM
Jack Butler, Chief – Superfund Section

The mailing list for these letters is filed in a folder in the first file cabinet drawer for the old landfill sites.

A statewide Old Landfill Inventory report is filed in a folder in the first file cabinet drawer for the old landfill sites.

Please supply information with asterisk only. If you have questions, contact Gordon Layton .

N. C. SOLID & HAZ WASTE BRANCH
SOLID WASTE FACILITY MASTER

* PERMIT NO: 09-01 PERMIT DATE __/__/ COUNTY CODE __

* FACILITY TYPE: S *NAME: BLADEN COUNTY LANDFILL PHONE: __-__

* LOCATION. Street/State Rd: US. 701 South * Town/comnty: Elizabethtown.

Latitude: __-__-__ Longitude: __-__-__

	*PERMIT HOLDER	* PROPERTY OWNER
Type(P,I,C,S,F)	* C	* C&P
Name:	* BLADEN COUNTY (Douglas Evans) Co. Mgr.	* *BLADEN COUNTY (26 acres)
Street	* P.O. BOX 1048	* P.O. BOX 1048
City, ST, Zip	*Elizabethtown N.C. 28337	* ELIZABETHTOWN N.C. 28337
		* SEE Below
	* OPERATOR	* CONTACT PERSON (at landfill only!)
Name:	* BLADEN CO. HEALTH DEPT (Isaiah Guyton)	* A.W. RUSS
Street	* P.O. BOX 188 (Courier)	* P.O. BOX 188 (Courier 426)
City, ST, Zip	* Elizabethtown N.C. 28337	* Elizabethtown N.C. 28337
Phone	919 - 862 - 2536	*919 - 862 - 4797

CHARACTERISTICS. Operation Category: _ ;Type: _ ;Subtype: __ Size: ___

Monitoring Well (Y/N): _ ;Waste Type*SW; Inspection Freq: __

Codes

FACILITY TYPE	PERMIT HOLDER	WASTE TYPE
S - Sanitary Landfill	P - Private	SW- Municipal--Non-Hazardous Solid Waste
D - Demolition Landfill	I - Industry	F - Flyash
TP- Treatment and Processing	C - County/City	S - Sludge
I - Incinerator	S - State	O - Other
T - Transfer	F - Federal	

NOTES: (1) Contact person is person at landfill and landfill number.
(2) If operator and property owner are same as permit holder, indicate with "Same."

* Property Owner → joint ownership w/ Jenny Hester
15 acres.
P.O. Box Town office
White Lake, N.C.

NORTH CAROLINA
DEPARTMENT OF HUMAN RESOURCES
DIVISION OF HEALTH SERVICES
SOUTH CENTRAL REGIONAL OFFICE
225 GREEN STREET
WACHOVIA BUILDING — SUITE 506
FAYETTEVILLE, NORTH CAROLINA 28301

August 3, 1976

Mr. C. E. Stevens, Jr.
Chairman, County Commissioners
Bladen County
Clarkton, North Carolina 28433

Dear Mr. Stevens:

I would like to thank you and your board for giving me the opportunity to meet with you yesterday. I feel the meeting was very worthwhile and I hope I was able to shed some light on the development of North Carolina's solid waste management program.

As I mentioned to you yesterday, it is always a great pleasure to come and work in Bladen County. Our office feels that we owe a great deal to Bladen County because of your outstanding program which has been the pattern for other programs throughout the southeast.

If at any time in the future I can be of any service to you or your board, please do not hesitate to contact me.

Sincerely,

Terry F. Sover

Terry F. Sover
District Sanitarian
Solid Waste & Vector Control
Branch

TFS:jm
cc: Mr. O. U. Strickland
Mr. Calvin H. Wider

NORTH CAROLINA
DEPARTMENT OF HUMAN RESOURCES
DIVISION OF HEALTH SERVICES
SOUTH CENTRAL REGIONAL OFFICE
225 GREEN STREET
WACHOVIA BUILDING — SUITE 506
FAYETTEVILLE, NORTH CAROLINA 28301

August 3, 1976

Mr. C. E. Stevens, Jr.
Chairman, County Commissioners
Bladen County
Council, North Carolina 28434
S MR

Dear Mr. Stevens:

I would like to thank you and your board for giving me the opportunity to meet with you yesterday. I feel the meeting was very worthwhile and I hope I was able to shed some light on the development of North Carolina's solid waste management program.

As I relayed to you yesterday, it is always a great pleasure to come and work in Bladen County. Our office feels that we owe a great deal to Bladen County because of your outstanding program which has been the pattern for other programs throughout the southeast.

If at any time in the future I can be of any service to you or your board, please do not hesitate to contact me.

Sincerely,

Terry F. Dover

Terry F. Dover
District Sanitarian
Solid Waste & Vector Control
Branch

TFD:jbr
cc: Mr. O. W. Strickland
Mr. Calvin M. Wicker

BLADEN COUNTY DEPARTMENT OF HEALTH

CAROLINE H. CALLISON, M.D.
HEALTH DIRECTOR

ELIZABETHTOWN, N. C. 28337

FEBRUARY 10, 1976

MR. JOHN R. CRUSE, R. S.
SUPERVISING SANITARIAN
SURRY COUNTY DEPARTMENT OF HEALTH
MOUNT AIRY, NORTH CAROLINA 27030

DEAR MR. CRUSE:

THIS LETTER IS IN REPLY TO YOUR REQUEST OF FEBRUARY 6 IN WHICH YOU ASKED THAT, " ... YOU PLEASE FORWARD ME ALL THE INFORMATION YOU CAN ABOUT YOUR SOLID WASTE PROGRAM. HOW IT IS CARRIED OUT, WHO PICKS UP REFUSE, WHO OPERATES THE LANDFILLS, THE APPROXIMATE COST OF OPERATION, ETC?"

IT IS FELT THAT YOUR EFFORTS, AS WELL AS OURS WOULD BE MUCH MORE EFFECTIVE IF YOU WOULD VISIT OUR LANDFILL, FOR AS LONG AS YOU SEE FIT.

WE TRIED TO CONTACT YOU ON THREE DIFFERENT DAYS TO CONVEY THIS MESSAGE TO YOU, AND EXTEND OUR INVITATION, BUT WE CALLED WHEN YOU WERE OUT. WE WOULD BE DELIGHTED TO HAVE YOU VISIT OUR DEPARTMENT AT YOUR CONVIENCE, AND WE WILL GLADLY GIVE YOU ALL THE INFORMATION WE CAN RELATIVE TO OUR SOLID WASTE PROGRAM.

IT WOULD BE FINE IF YOU COULD LET US KNOW ABOUT TWO DAYS PRIOR TO THE DAY YOU MIGHT PLAN TO BE HERE. IF YOU CARE TO CALL, PLEASE LEAVE YOUR MESSAGE WITH MRS. STEPHENS IN THE SANITARIAN'S OFFICE.

VERY TRULY YOURS,

Calvin M. Wicker

CALVIN M. WICKER, SANITARIAN

CMW/DS

CC MR. USRY
MR. DOVER

December 6, 1974

Mr. C. E. Stevens, Jr.
Chairman, County Commissioners
Bladen County
Council, N. C. 28434

Dear Mr. Stevens:

As Chairman of the Board of County Commissioners of Bladen County, this office would like to congratulate you, the members of your board and those members who have just retired from the board for such an outstanding solid waste management program.

Bladen has been a leader in establishing an excellent program designed for a rural county. Many counties have modeled their programs after the Bladen program. This office has used information and proven facts from your program to establish programs in other areas.

It would not be appropriate to speak of the success of the Bladen County program without a word of appreciation to Mr. Wicker for his many, many hours of devotion to this program.

Again let me congratulate everyone that has had a part in providing a solid waste collection and disposal program for the people of your County.

If at any time this office 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. Terry Dover
Each Commissioner
Mr. Calvin M. Wicker

April 13, 1973

Mr. Calvin Wicker, R.S.
Bladen County Health Department
Post Office Box 188 JHR
Elizabethtown, North Carolina 28337

Dear Mr. Wicker:

I would like to take this opportunity to personally thank you for accepting a part on our program "Elements of Solid Waste Management." You are scheduled for Tuesday, May 15, 1973, at 1:00 P.M. for a thirty minute presentation on the Bladen County Solid Waste Program.

Pre-registration forms for you to attend all three days of this program are being handled by us in the Solid Waste and Vector Control Section. A copy of the complete program will be forwarded to you next week as well as suggested overnight accommodations. The meeting is being held at the Sir Walter Hotel, Raleigh.

Again, I appreciate your assistance and am looking forward to seeing you May 1, 1973, down at Elizabethtown.

Yours truly,

Jerry C. Perkins, Deputy Chief
Solid Waste & Vector Control Section
Sanitary Engineering Division

JCP:bm

Bladen
Cty

December 15, 1972

Mr. J. C. Shaw
Superintendent Street & Water Department
Town of Bladenboro
Bladenboro, North Carolina 28320

Dear Mr. Shaw:

Your letter of December 11, 1972 requesting permission to use the old dump site for disposing of stumps, leaves, limbs, blocks, and bricks has been referred to me for answer.

Permission is granted provided access to the site is strictly controlled so that only the above listed items may be placed at the site.

I am asking Mr. Terry Dover, our solid waste consultant in the area, to make periodic inspections for compliance.

Sincerely yours,

O. W. Strickland, Program Chief
Solid Waste Management Program
Solid Waste & Vector Control Section
Sanitary Engineering Division

OWS:clf

cc: Mr. Terry F. Dover
Mr. Calvin Wicker

MAYOR
C. B. HASBROUCK

CLERK
BETTY BOWEN

TOWN OF BLADENBORO

BLADENBORO, N. C.

COMMISSIONERS
C. A. SHAW
L. C. BRIDGER, JR.
B. O. WARD
D. H. BRIDGER, JR.

December 11, 1972

Mr. Sidney H. Usry, Chief
Solid Waste & Vector Control Sec.
Sanitary Engineering Division
State Board of Health
Raleigh, N. C. 27600

Dear Mr. Usry:

The Town of Bladenboro request permission to use old city dump for disposing of the following:

1. Stumps
2. Leaves
3. Limbs
4. Cement blocks and bricks

The city dump is under surveillance at all times.

Very truly yours,

TOWN OF BLADENBORO

J. C. Shaw

J. C. Shaw
Supt. Street & Water Dept.

RECEIVED

DEC 13 1972

SANITARY ENGINEERING
DIVISION

October 13, 1972

RECEIVED

OCT 18 1972

SANITARY ENGINEERING DIVISION

Mr. Judson Johnson
Southeastern Economic Development
Commission
P.O. Box 921
Blizabethtown, NC 28337

Dear Mr. Johnson:

Thank you for your letter of October 2, 1972, concerning collection and salvage of automobiles and metal appliances for recovery.

The Environmental Protection Agency encourages such projects as you describe in your letter. However, such projects require considerable or, at least, detailed planning to assure the most economical operation. State laws and local ordinances will play an important part in any such project and above all, a market for the material should be established prior to the beginning of operation.

By conducting a cost analysis on such a project you may well find the total operating expenditures exceed revenues from sales. However, some value should be placed upon cleaning up the blight in the area. Such a value can only be determined by you and your fellow citizens in the area.

Enclosed are publications which address the subject and should provide further insight about such a project. You should establish and maintain close contact with your State solid waste program. If you wish to pursue the idea stated in your letter, your State Solid Waste Program Director is:

Mr. Sidney H. Usry, Chief
Solid Waste and Vector Control Section
Division of Sanitary Engineering
North Carolina State Board of Health
P.O. Box 2091
Raleigh, NC 27602

Please do not hesitate to contact this office if we can be of further assistance.

Sincerely,

Elmer G. Cleveland
Chief
Solid Waste Management Branch

cc: Sidney Usry (with/cpy of incoming)

Bladen
Cpn

October 13, 1972

RECEIVED
OCT 18 1972
SANITARY ENGINEERING
DIVISION

Mr. Judson Johnson
Southeastern Economic Development
Commission
P.O. Box 921
Blizabethtown, NC 28337

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Mr. Sidney H. Usry, Chief
Solid Waste and Vector Control Section
Division of Sanitary Engineering
North Carolina State Board of Health
P.O. Box 2091
Raleigh, NC 27602

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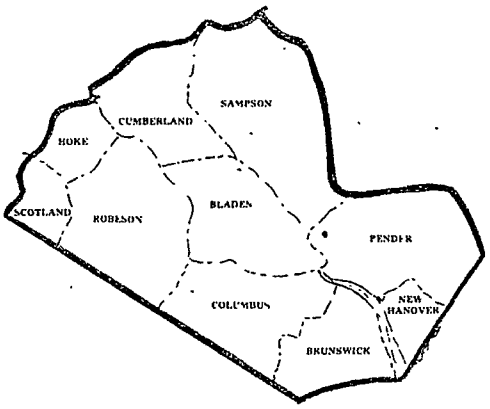
Sincerely,

Elmer G. Cleveland
Chief



Southeastern Economic Development Commission
Elizabethtown, North Carolina - 28337
P. O. Box 921 *862-2131*

October 2, 1972

Mr. Elmer Cleveland
Environmental Protection Agency
Solid Waste Management Office
Atlanta, Georgia 30334

Dear Mr. Cleveland:

The Southeastern Economic Development Commission (SEDC) covers a ten-county area within the southeastern geographical region of North Carolina and includes three Council of Government (COG) Districts designated as "M", "N", and "O".

Our Commission experienced a vital rebirth in fiscal year 1972 with a turnover in personnel of which the Executive Director, Larry Barnett, and myself came from Georgia.

Upon assuming our job responsibilities with the SEDC, Mr. Barnett and I started a survey throughout our District to find projects that would have a dynamic impact upon our area, and at the same time be of a great benefit to the area people. Several projects were given due consideration before we decided on the following: Our survey showed that the number of abandoned cars within our ten-county region well exceeded 20,000; and more derelict cars are being left at a rate greater than can be picked up and disposed of.

These cars are unsightly as well as instituting a definite health hazard. Insects, primarily anopheles mosquitos, vermine, and rodents are constantly breeding in and around these wrecks. Junk yards, upon completion of salvage, burn these cars to rid them of nonmetallic material (equivelent of open dump burning) and roadside abandoned cars constitute definite safety hazards. We have found that sanitary landfills are unequipped and incapable of handling car bodies as such. North Carolina state law dictates a forty-five (45) day waiting period before abandoned cars can be removed.

Our tentative proposal is to obtain first, a tilt, flat-bed truck equipped with a winch with which to pick up these cars and carry them to a central-disposal location. On site at this central location, junk salvage would first be stripped from the cars; then the bodies would be crushed and made ready for shipment to a nearby material reclamation smelting center, possibly Georgetown Steel Company, Georgetown, South Carolina. Another possibility might involve old delapidated refrigerators left intact with the doors capable of closing.

Off the cuff, a possible continuation of this project would be to grind up and recycle all glass and convert it into artificial sand (silicone) to fill in our eroding urban beaches (reference Dr. Michael Pilburn of Rutgers University--Natural History Magazine, April, 1972 issue). Whether it is economically feasible has not been determined at this point.

Mr. Cleveland, this letter might seen premature in that we do not have conclusive data at this point in time. I am writing you strictly to see the interest level of EPA and to find out your personal advice on such an operation. Please send any information that you might have in your office on the particular realm of solid waste that EPA is concerned in executing.

Thanking you in advance for your cooperation, I am

Sincerely remaining,

Judson Johnson

Judson Johnson

JJ/edg

Veeder

GRC

May 26, 1972

Mr. Herbert Hanna
Plant Engineer
Veeder-Root Company
Elizabethtown, North Carolina 28337

Dear Mr. Hanna:

The analysis of the sludge from the drying beds of the Veeder-Root Company has been received in this office. This analysis was given to the Water Supply Section with the request that they prepare their comments and recommendations as to satisfactory disposal of this material in order to alleviate the possibility of ground water pollution.

It is their opinion that the material constitutes a hazardous waste and will require special handling in order to alleviate ground water pollution. It is recommended that if the material is to be buried it shall be placed on four inches of agricultural lime and then the material covered with agricultural lime and the cell sealed with two feet of compacted earth. This method of disposal can be on the property of the Veeder-Root Company or at the county landfill provided the county agrees to the special handling procedures. Under no condition shall this material be placed in the normal sanitary landfill operation that is being operated by Bladen County.

If additional information or assistance is needed, I shall appreciate hearing from you.

Very truly yours,

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

SHU:bm
cc: Mr. Calvin Wicker, R.S.

OFFICE MEMORANDUM

NORTH CAROLINA STATE BOARD OF HEALTH

5-22-72 DATE

TO: Sid

FROM: Steve

RE: Attached

Suggest we check with Dr. Maddry re. the characteristics of chemical in this sludge to determin effects on ground water etc.

Form No. SS-11

~~Carl Wicker, Sanitarian~~
~~Wilkes Co. Health Dept.~~
~~Elizabethton, N.C. 28337~~

~~Mr. Melvin notes that the facilities are well operated and maintained and generally produced a high quality effluent.~~

~~It is hoped that this high degree of efficiency can be maintained in the future.~~

Sincerely,

L. P. Benton, Jr., Chief
Industrial Waste Section

Attachment

cc: Mr. B. L. Gupton
Mr. E. R. Campbell
Mr. John S. Melvin

5-11-72

RECEIVED

MAY 10 1972

SANITARY ENGINEERING DIVISION

Mr. Usry:

Re: our telephone conversation relative to request from Vinelan-Roots Company, Elizabethton, N.C., to dispose of about ten tons of sludge from drying bed, into Bladen County Landfill. The sludge is from metal plating wastes.

Attached is a field investigation report from a Mr. Wilson, from Water and Air.

Have asked for a cover report, if you need it I will forward when received.

C. M. Wilson, Sanitarian
Bladen Co. Health Dept.
Elizabethton, N.C. 28337

The Report was prepared by Mr. John S. Melvin, Regional Chemist.

Mr. Melvin notes that the facilities are well operated and maintained and generally produced a high quality effluent.

It is hoped that this high degree of efficiency can be maintained in the future.

Sincerely,

L. P. Benton, Jr., Chief
Industrial Waste Section

Attachment

cc: Mr. B. L. Gupton
Mr. E. R. Campbell
Mr. John S. Melvin.

STATE OF NORTH CAROLINA
DEPARTMENT OF WATER AND AIR RESOURCES

In Replying Refer to:
WQ70JSM

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

September 22, 1970

Have asked for current report. Will advise when received. CMuirhead

Mr. Herbert Hanna
Plant Engineer
Veeder-Root Company
Elizabethtown, North Carolina

SUBJECT: Field Investigation Report
Veeder-Root Company, Bladen
County, Elizabethtown, North
Carolina

Dear Mr. Hanna:

Attached is a Field Investigation Report as to the adequacy of the waste treatment facilities serving Veeder-Root Company. The Report was prepared by Mr. John S. Melvin, Regional Chemist.

Mr. Melvin notes that the facilities are well operated and maintained and generally produced a high quality effluent.

It is hoped that this high degree of efficiency can be maintained in the future.

Sincerely,

L. P. Benton, Jr., Chief
Industrial Waste Section

Attachment

cc: Mr. B. L. Gupton
Mr. E. R. Campbell
Mr. John S. Melvin

FIELD INVESTIGATION REPORT

BY

JOHN S. MELVIN
REGIONAL CHEMIST

INDUSTRY:	Veeder-Root
ADDRESS:	Elizabethtown, North Carolina
PRODUCTS:	Computors and Counters
DATE:	July 31, 1970
PERSONS CONTACTED:	Mr. Herbert Hanna, Plant Engineer Mr. B. L. Gupton, Manufacturing Engineer Mr. Henry Hatcher, Plating Foreman
SEND REPORT TO:	Mr. Herbert Hanna, Plant Engineer
SEND COPIES TO:	Mr. B. L. Gupton, Manufacturing Engineer Mr. E. R. Campbell, Plant Manager
PERMIT #:	902
EXPIRATION DATE:	December 31, 1970
PURPOSE OF INSPECTION:	To determine adequacy of waste treatment facilities

Waste treatment facilities at Veeder-Root consist of dual cyanide and metal treatment tanks, an automatically neutralized acid-alkaline wet well, clarifier, and sludge wasting beds. The treated waste is discharged by pipe line to the Cape Fear River, which is classified "C" at the point of discharge. The calculated 7-day, 10-year minimum discharge (approximately 30 miles upstream) is 140 mgd.

Wastes at Veeder-Root come from a metal plating and stripping process, and consist of chromium (hexavalent), copper, nickel, zinc, cyanide, phosphate, manganese, and acid and alkaline rinses. Hexavalent chromium is reduced to trivalent by sulfur dioxide gas and then percipitated along with the other metals as hydroxides. The phosphate is precipitated using lime.

The cyanide bearing wastes are destroyed by alkaline chlorination, employing liquid caustic and chlorine gas. The acid-alkaline rinse is fed directly into a wet well where it is neutralized by liquid caustic and/or sulfuric acid. All wastes are pumped into a hoppered bottom clarifier after treatment. Excess sludge is drawn off to one of four 1200 square foot sludge beds. In addition there are two smaller 180 square foot sludge beds for emergency use. The dried sludge is bagged and periodically transported to the City of Fayetteville's sanitary land fill. The entire waste treatment system is automated.

The various capacities of the units within the facility are as follows:

Cyanide Tanks (2)	37,000 gallons @
Chromium Tanks (2)	17,500 gallons @
Clarifier	83,500 gallons

The present volume being treated is approximately 125,000 gpd. The designed average flow is 170,000 gpd.

Analysis of the effluent taken on the date of the investigation is as follows:

Total Chromium	0.41 mg/l
Cyanide	<0.04 mg/l
Zinc	0.29 mg/l
Copper	0.16 mg/l
Nickel	75.0 mg/l
Phosphate	2.90 mg/l

All of the above parameters show improvement over the last Report except nickel, which increased greatly. The Company has always had trouble in treating nickel and have recently changed over to a manganese-phosphate system which should eliminate the nickel.

An effluent sample for Mercury showed <0.5 ppb.

CONCLUSIONS

The waste treatment facilities serving Veeder-Root are well operated and maintained and generally produce high quality effluent. The concentration of nickel on this inspection was abnormally high and should be checked in the near future.

RECOMMENDATIONS

No recommendations are made at this time.

VEEDER-ROOT

Veeder-Root Company / Elizabethtown Division

Elizabethtown, North Carolina 28337 / (919) 862-2511

April 18, 1972

Mr. C. M. Wicker
Bladen County Sanitarian
P. O. Box 188
Elizabethtown, North Carolina

Dear Mr. Wicker:

We would like permission to dump dried sludge from our metal plating waste in the county land fill. For the past six years we have hauled this material to the land fill in Fayetteville.

We have not hauled any sludge in two years but our drying beds are almost full. In the next six weeks we will need to dispose of approximately ten tons.

I am enclosing a copy of the letter from the Department of Water Resources authorizing the method of disposal for plating waste.

Sincerely,

Herbert H. Hanna

Herbert H. Hanna,
Plant Engineer

HHH:als
enclosure

NORTH CAROLINA

DEPARTMENT OF WATER RESOURCES

STATE STREAM SANITATION COMMITTEE

GEORGE E. PICKETT, DIRECTOR
DEPARTMENT OF WATER RESOURCES

E. C. HUBBARD, DIRECTOR
DIV. OF STREAM SANITATION & HYDROLOGY
&
SECRETARY TO THE COMMITTEE

WILLIAM R. CLARY, ASST. DIRECTOR
DIV. OF STREAM SANITATION & HYDROLOGY

TELEPHONE NO. 829-3006

P. O. BOX 9302
RALEIGH 27603

November 25, 1966

Have asked for current report; will send when received
CWWright

Mr. David B. Gibson
Finishing Foreman
Veeder - Root, Inc.
Elizabethtown Division
Elizabethtown, North Carolina 28337

Dear Mr. Gibson:

Reference is made to your letter of November 3, 1966, concerning the disposal of dewatered sludge from the Company's waste disposal plant at Elizabethtown.

Sludge from metal plating plant operation may be disposed of by burial on Company property or in the event that the Town of Elizabethtown operates a sanitary land fill for garbage disposal, the sludge may be disposed of at the Town's garbage dump. In the event that you decide to dispose of sludge at the Town's garbage dump, you should, of course, obtain approval from the appropriate municipal official.

Sincerely,

W. E. Knight

W. E. Knight, Chief
Industrial Waste Section

Cc: Eastern Regional Office

Bladen

JSR

May 26, 1972

Mr. Herbert Hanna
Plant Engineer
Veeder-Root Company
Elizabethtown, North Carolina 28337

Dear Mr. Hanna:

The analysis of the sludge from the drying beds of the Veeder-Root Company has been received in this office. This analysis was given to the Water Supply Section with the request that they prepare their comments and recommendations as to satisfactory disposal of this material in order to alleviate the possibility of ground water pollution.

It is their opinion that the material constitutes a hazardous waste and will require special handling in order to alleviate ground water pollution. It is recommended that if the material is to be buried it shall be placed on four inches of agricultural lime and then the material covered with agricultural lime and the cell sealed with two feet of compacted earth. This method of disposal can be on the property of the Veeder-Root Company or at the county landfill provided the county agrees to the special handling procedures. Under no condition shall this material be placed in the normal sanitary landfill operation that is being operated by Bladen County.

If additional information or assistance is needed, I shall appreciate hearing from you.

Very truly yours,

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

SHU:bm
cc: Mr. Calvin Wicker, R.S.

OFFICE MEMORANDUM

NORTH CAROLINA STATE BOARD OF HEALTH

5-22-72 DATE

TO: Sid

FROM: Steve

RE: Attached

Suggest we check with Dr. Maddry re. the characteristics of chemical in this sludge to determin effects on ground water etc.,

Form No. SS-11

5-11-72

RECEIVED

MAY 15 1972

SANITARY ENGINEERING DIVISION

Mr. Usry:

Re: our telephone conversation relative to request from Veeder-Root Company, Elizabethton, N.C., to dispose of about ten tons of sludge from drying bed, into Bladen County Landfill. The sludge is from metal plating wastes.

Attached is a field investigation report from a Mr. Wilkins, from Water and Air.

Have asked for a current report, if you need it I will forward when received.

C. M. Winkler, Sanitarian
Bladen Co. Health Dept.
Elizabethton, N.C. 28337

Bladen N.F.

STATE OF NORTH CAROLINA
DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES
Box 27687 Raleigh 27611

CHARLES W. BRADSHAW, JR.
SECRETARY

ROBERT W. SCOTT
GOVERNOR

Office of Water and Air Resources
GEORGE E. PICKETT, DIRECTOR
TELEPHONE 829-3003

May 22, 1972

Mr. Herbert Hanna
Veeder-Root Company
Elizabethtown, North Carolina

SUBJECT: Wastewater Treatment Facilities
Disposal of Sludge
Veeder-Root Company
Elizabethtown, North Carolina
Bladen County

Dear Mr. Hanna:

Dewatered sludge from your company's wastewater treatment facilities may be disposed by burial in a sanitary landfill or on company property provided the company has the space.

In either case, disposal should be in such a manner so as not to drain back into the surface waters of the state.

Sincerely yours,

Randall Kornegay, Analytical Chemist
Central Regional Office
Water Quality Division

Cc: Mr. T. F. Armstrong

RK/im

NORTH CAROLINA

DEPARTMENT OF WATER RESOURCES

STATE STREAM SANITATION COMMITTEE

GEORGE E. PICKETT, DIRECTOR
DEPARTMENT OF WATER RESOURCES

E. C. HUBBARD, DIRECTOR
DIV. OF STREAM SANITATION & HYDROLOGY
&
SECRETARY TO THE COMMITTEE

WILLIAM R. CLARY, ASST. DIRECTOR
DIV. OF STREAM SANITATION & HYDROLOGY

TELEPHONE NO. 829-3006

P. O. BOX 9392
RALEIGH 27603

November 25, 1966

Have called for current report; will send when received
CWJ

Mr. David B. Gibson
Finishing Foreman
Veeder - Root, Inc.
Elizabethtown Division
Elizabethtown, North Carolina 28337

Dear Mr. Gibson:

Reference is made to your letter of November 3, 1966, concerning the disposal of dewatered sludge from the Company's waste disposal plant at Elizabethtown.

Sludge from metal plating plant operation may be disposed of by burial on Company property or in the event that the Town of Elizabethtown operates a sanitary land fill for garbage disposal, the sludge may be disposed of at the Town's garbage dump. In the event that you decide to dispose of sludge at the Town's garbage dump, you should, of course, obtain approval from the appropriate municipal official.

Sincerely,

W. E. Knight

W. E. Knight, Chief
Industrial Waste Section

Cc: Eastern Regional Office

VEEDER-ROOT

Veeder-Root Company / Elizabethtown Division

Elizabethtown, North Carolina 28337 / (919) 862-2511

April 18, 1972

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Bladen County Sanitarian
P. O. Box 188
Elizabethtown, North Carolina

Dear Mr. Wicker:

We would like permission to dump dried sludge from our metal plating waste in the county land fill. For the past six years we have hauled this material to the land fill in Fayetteville.

We have not hauled any sludge in two years but our drying beds are almost full. In the next six weeks we will need to dispose of approximately ten tons.

I am enclosing a copy of the letter from the Department of Water Resources authorizing the method of disposal for plating waste.

Sincerely,

Herbert H. Hanna

Herbert H. Hanna,
Plant Engineer

HHH:als
enclosure

STATE OF NORTH CAROLINA
DEPARTMENT OF WATER AND AIR RESOURCES

In Replying Refer to:
WQ70JSM

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

September 22, 1970

Have asked for comment report. Will advise when received. CMWick

Mr. Herbert Hanna
Plant Engineer
Veeder-Root Company
Elizabethtown, North Carolina

SUBJECT: Field Investigation Report
Veeder-Root Company, Bladen
County, Elizabethtown, North
Carolina

Dear Mr. Hanna:

Attached is a Field Investigation Report as to the adequacy of the waste treatment facilities serving Veeder-Root Company. The Report was prepared by Mr. John S. Melvin, Regional Chemist.

Mr. Melvin notes that the facilities are well operated and maintained and generally produced a high quality effluent.

It is hoped that this high degree of efficiency can be maintained in the future.

Sincerely,

L. P. Benton, Jr., Chief
Industrial Waste Section

Attachment

cc: Mr. B. L. Gupton
Mr. E. R. Campbell
Mr. John S. Melvin.

FIELD INVESTIGATION REPORT

BY

JOHN S. MELVIN
REGIONAL CHEMIST

INDUSTRY:	Veeder-Root
ADDRESS:	Elizabethtown, North Carolina
PRODUCTS:	Computors and Counters
DATE:	July 31, 1970
PERSONS CONTACTED:	Mr. Herbert Hanna, Plant Engineer Mr. B. L. Gupton, Manufacturing Engineer Mr. Henry Hatcher, Plating Foreman
SEND REPORT TO:	Mr. Herbert Hanna, Plant Engineer
SEND COPIES TO:	Mr. B. L. Gupton, Manufacturing Engineer Mr. E. R. Campbell, Plant Manager
PERMIT #:	902
EXPIRATION DATE:	December 31, 1970
PURPOSE OF INSPECTION:	To determine adequacy of waste treatment facilities

Waste treatment facilities at Veeder-Root consist of dual cyanide and metal treatment tanks, an automatically neutralized acid-alkaline wet well, clarifier, and sludge wasting beds. The treated waste is discharged by pipe line to the Cape Fear River, which is classified "C" at the point of discharge. The calculated 7-day, 10-year minimum discharge (approximately 30 miles upstream) is 140 mgd.

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Phosphate	2.90 mg/l

All of the above parameters show improvement over the last Report except nickel, which increased greatly. The Company has always had trouble in treating nickel and have recently changed over to a manganese-phosphate system which should eliminate the nickel.

An effluent sample for Mercury showed <0.5 ppb.

CONCLUSIONS

The waste treatment facilities serving Veeder-Root are well operated and maintained and generally produce high quality effluent. The concentration of nickel on this inspection was abnormally high and should be checked in the near future.

RECOMMENDATIONS

No recommendations are made at this time.

Bladen

Bladen
Sludge

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: Cape Fear Chem.

Solid

Address: Tar Heel, N.C

County: Bladen

Report to: Bill Meyer

Address: Solid Waste

Date Collected: _____ Date Received: 19 Dec Date Analyzed: _____

Analysis Desired: total metals soluble in water

Laboratory Number	Results In									
	Ag	Ba	Cd	Cr	Pb					
10664	0.59	0.1	0.02	0.23	0.1					

DHS Form 2364 (11/75)
Laboratory

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: Cape Fear Chem.

liquid

Address: Tar Heel, N.C.

County: Bladen

Report to: Bill Meyer

Address: Solid Waste

Date Collected: _____ Date Received: 19 Dec Date Analyzed: _____

Analysis Desired: _____

Laboratory Number	Results In									
	Ag	Ba	Cd	Cr	Pb					
00665	<0.39	2	0.4	4.5	1.9					

DHS Form 2364 (11/75)
Laboratory

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: Gib Lennar

Address: Lumberton, N.C.

County: Robeson

Report to: Bill Meyer

Address: Solid Waste

Andrew Robinson
Lumberton
Dump Site

Date Collected: _____ Date Received: 30 Oct 79 Date Analyzed: _____

Analysis Desired: Flammability, metals, ammonia

Laboratory Number	Results In ppm									
	Ag	Ba	Pb	Zn	Cu	Cr	Cd		NH_3	
08555	0.04	<0.2	13	725	455	0.16	0.32		578	
	1) This material could NOT be ignited with matches									

DHS Form 2364 (11/75)
Laboratory

June 21, 1978

Mr. Calvin M. Wicker
Bladen County Health Department
~~Post Office~~ Box 188
Elizabethtown, North Carolina 28337

Dear Mr. Wicker: dr

I have been planning for sometime to write to you, but have just gotten around to it. I do want to take this opportunity, even though it may be somewhat late, to express my sincere thanks for the outstanding leadership that you provided Bladen County in implementing a solid waste management program; a program that has been an outstanding program and one that has paved the way for many counties around you to follow. I remember the chairman of a board of county commissioners making the statement that "Mr. Wicker was the secret of the successful program in Bladen County". This was his observation as he visited your county.

It has been people like you that were willing to give more than a full measure of their talents and time that has made it possible for North Carolina to make the progress that it has made in solid waste management.

I truly hope that the people of Bladen County, including those in high offices, recognize the great distance beyond the call of duty that you went to provide the supervision that was so necessary to make the program a success. I know of no county that has received more service for the dollars spent than Bladen County.

It is my hope that the program will continue to go forward and remain the excellent program that you wish it to be.

Please come by to see us when you are in Raleigh, and I will do the same when I am in your area.

Sincerely,

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

OWS/wss
cc: Mr. Terry F. Dover
Mr. Steven L. Moffat
Mr. Robert G. Roberts

Bladen
LHR

January 21, 1972

Mr. Herbert Hanna
Veeder Root Company
Post Office Box 368
Elizabethtown, North Carolina 28337

Dear Mr. Hanna:

In regard to your telephone request, I suggest that you write to Mr. Paul Ebert, United Auto Disposal Company, Drawer G, Kernersville, North Carolina 27284, as I understand they are planning to operate a facility for the reclamation of liquid waste. I am sure that they will provide you with the information regarding this matter.

Very truly yours,

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

SHU:bm

Veeder Root. + Chem Content of Sludge

Ch. T	25 mg/g.	
Cu	25 -	
Cinore	.28 -	280ppm
Ni	86.	
Zn.	60	

All of above would go into solution under acid conditions, if placed in land fill it should be placed in 4" of appl. lime and covered with "4" of same then the cell sealed.

Steve

Bladen

JR

December 30, 1970

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

Re: CH No. 71-0348
Solid Waste Disposal System
Bladen County

Dear Mr. Hendricks:

We would recommend approval of this application.

Bladen County is in need of an adequate and sanitary solid water disposal system and our staff has developed plans for a county-wide system which have been presented to the County Commissioners.

Very truly yours,

Marshall Staton, Director
Sanitary Engineering Division

cc: Mr. B. Gene Barrett
Mr. M. P. Bell

MDF/kj

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

Mr. F.

NOTIFICATION REFERRAL

ACTION REQUESTED

To: Name B. Gene Barrett, Planning Officer

Agency State Board of Health

Re: Clearinghouse Notification No. 71-0348

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 December 31, 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

CIC Form # 2
4/70

Plans presented to Commissioners - Approved by this agency

C.H. Notification No. 70-0348

DO NOT WRITE IN THIS AREA

APPLICATION

FEDERAL ASSISTANCE FOR PUBLIC WORKS AND FACILITY TYPE PROJECTS

(Please read the Instructions before completing this application. Submit application in original and one copy. Attach additional sheets if necessary.)

IA NO.	REFERRAL		
AGENCY	DATE RECEIVED	DATE REFERRED	TO

AGENCIES ASSUMING JURISDICTION			
AGENCY	DATE	PROJECT COMPONENT	PROJECT NO.

1A. APPLICANT *(Exact legal name or proposed name if not incorporated)*

CITY OR TOWN	*(County)*	*(State)*	*(Zip code)*
Elizabethtown	Bladen	North Carolina	28337

1B. TYPE OF ORGANIZATION *(Check appropriate box)*

☐ STATE GOV. AGENCY ☒ LOCAL GOV. UNIT ☐ NON-PROFIT ORGANIZATION ☐ OTHER *(Specify)*

2. LOCALITIES TO BE SERVED

CITIES, TOWNS, OR AREAS *(List separately)*	COUNTY	POPULATION 1960	CURRENT *(Est.)*	TO BE SERVED BY PROJECT
Bladen County	TOTAL:	28,881		
Elizabethtown	Bladen	1,625		(Entire County Population)
Bladenboro	Bladen	776		
Clarkton	Bladen	662		
Dublin	Bladen	366		
White Lake	Bladen	130		
Tar Heel	Bladen	95		

3. DESCRIPTION AND PURPOSE OF PROPOSED PROJECT

A. DESCRIPTION

The Solid Waste Disposal Project is classified in two sections:

1. One or more Sanitary Land Fills to take care of the approximately 20,000 tons of waste produced annually in Bladen County. The Grant and Loan request is for equipment only. The sites will be provided by the County.
2. Equipment for a containerized system for collection of waste from the rural areas of the County.

B. PUBLIC INTEREST AND NECESSITY

The refuse collected by the six municipalities in Bladen County is presently being placed in six open dumps. Refuse from the rural areas is not collected and is disposed of by the individual family. Some is being buried but most is cluttering farms, woodlands, streams, and highways.

The project is needed to protect the health of the people of Bladen County and prevent the depreciation of the County's Environment.

C. PLANNING AGENCY *(County, Multi-county, Regional, etc.)*

☒ REVIEWED BY PLANNING AGENCY *(Attach comments)* ☐ NOT REVIEWED BY PLANNING AGENCY *(If not, explain)*

STANDARD FORM 101
REVISED JANUARY 1968
PRESCRIBED BY THE BUREAU OF THE BUDGET
CIRCULAR NO. A75 (REV.)

101-102

SOURCE OF FUNDS	COMPONENTS				TOTAL
	WASTE		WATER	OTHER (Describe in G. below)	
	TREATMENT (1)	Disposal COLLECTION (2)	(3)	(4)	(5)
A. FEDERAL GRANT REQUESTED	$	$ 35,600	$	$	$
B. FEDERAL LOAN REQUESTED		44,000			
C. OTHER FEDERAL CONTRIBUTION					
D. STATE CONTRIBUTION					
E. APPLICANT CONTRIBUTION					
F. ESTIMATED TOTAL PROJECT COST	$	$ 79,600	$	$	$ 79,600
G.					

5. OTHER FEDERAL ASSISTANCE - PREVIOUS OR PENDING

NAME OF AGENCY	TYPE OF ASSISTANCE	INDEBTEDNESS OUTSTANDING, IF ANY	AMOUNT REQUESTED

The applicant represents that the data in this application are true and correct to the best of his knowledge and belief and that the filing of this application has been duly authorized by the governing body of the applicant.

EXACT LEGAL *(Corporate)* NAME OF APPLICANT *(If unincorporated, enter proposed name)*

Bladen County

ATTEST *(Signature of attesting officer)*	BY *(Signature of authorized officer)*
D. L. Evans	J. S. Singletary
TITLE Secretary to the Board	TITLE Chairman Bladen County Board of Commissioners

NOTE: Additional Information May Be Requested To Support This Application.

(DO NOT WRITE IN THIS SPACE - *FOR GOVERNMENT USE ONLY*)

RECEIVED
DEC 14 1970

RESOLUTION

WHEREAS, the Bladen County Planning Board has been charged with the responsibility of making a recommendation to the Bladen County Board of Commissioners on the problem of Solid Waste Disposal in Bladen County and,

WHEREAS, the Sanitary Engineering Division of the North Carolina State Board of Health has made certain recommendations to the Bladen County Health Department and the Planning Board and,

WHEREAS, the Bladen County Planning Board and the Health Department have studied these proposals, visited other projects, and have discussed in detail the multi-sanitary landfill approach and the one sanitary landfill-containerized system aporoach and have been unable to make a decision as to which approach would be best for Bladen County. Further study and advice will be needed before a decision is made and,

WHEREAS, it is very important that an application be submitted to the Farmers Home Administration for funds to finance this project at the earliest possible date.

NOW BE IT THEREFORE RESOLVED, that the Bladen County Planning Board recommend that the Bladen County Board of Commissioners make an application to the Farmers Home Administration for a loan of $44,000 and a grant of $35,600 which represents the total maximum cost of the one landfill and containerized system. This application to be made with the understanding that the request will be amended to a lesser amount if it is found that a multi-landfill program, or combination of multi-landfill and containerized is more feasible.

This action was taken by unanimous vote of the Bladen County Planning Board in session on Monday, November 30, 1970.

Chatham C. Clark

Chatham C. Clark, Chairman
Bladen County Planning Board

RESOLUTION

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Chatham C. Clark

Chatham C. Clark, Chairman
Bladen County Planning Board

RESOLUTION

REQUESTING A LOAN AND GRANT FROM THE FARMERS HOME ADMINISTRATION FOR SOLID WASTE DISPOSAL IN BLADEN COUNTY.

WHEREAS, the problem of solid waste disposal has become an acute problem in Bladen County, and

WHEREAS, the North Carolina State Board of Health has made certain recommendations for a program of solid waste disposal, and

WHEREAS, the Bladen County Board of Commissioners, in fulfilling its obligations to the people of Bladen County, desires to provide a Solid Waste Disposal Program for all the people of Bladen County to protect the health of the people, and to prevent the depreciation of the County's environment, and

WHEREAS, it is necessary to seek financial assistance from the Federal Government to finance this project.

NOW BE IT THEREFORE RESOLVED, that the Bladen County Board of Commissioners make an application to the Farmers Home Administration for a loan of $44,000 and a grant of $35,600 to finance a Solid Waste Disposal Program in Bladen County according to the recommendations of the North Carolina State Board of Health and Bladen County Planning Board.

The foregoing resolution duly adopted by unanimous vote by the Bladen County Board of Commissioners sitting in regular session Monday, December 7, 1970.

J. S. Singletary

J. S. Singletary, Chairman

ATTEST

Douglas Evans

Douglas Evans
Secretary to the Board

RESOLUTION

REQUESTING A LOAN AND GRANT FROM THE FARMERS HOME ADMINISTRATION FOR SOLID WASTE DISPOSAL IN BLADEN COUNTY.

WHEREAS, the problem of solid waste disposal has become an acute problem in Bladen County, and

WHEREAS, the North Carolina State Board of Health has made certain recommendations for a program of solid waste disposal, and

WHEREAS, the Bladen County Board of Commissioners, in fulfilling its obligations to the people of Bladen County, desires to provide a Solid Waste Disposal Program for all the people of Bladen County to protect the health of the people, and to prevent the depreciation of the County's environment, and

WHEREAS, it is necessary to seek financial assistance from the Federal Government to finance this project.

NOW BE IT THEREFORE RESOLVED, that the Bladen County Board of Commissioners make an application to the Farmers Home Administration for a loan of $44,000 and a grant of $35,600 to finance a Solid Waste Disposal Program in Bladen County according to the recommendations of the North Carolina State Board of Health and Bladen County Planning Board.

The foregoing resolution duly adopted by unanimous vote by the Bladen County Board of Commissioners sitting in regular session Monday, December 7, 1970.

J. S. Singletary, Chairman

ATTEST

Douglas Evans
Secretary to the Board

SOLID WASTE DISPOSAL PROJECT FOR BLAINE COUNTY

Capital Investment

One Sanitary Landfill

Equipment ----------	One high-lift loader with multi-purpose bucket (Allis Chalmers HO7G or Equal)	$29,100.00
Structure ----------	One structure to house equipment and office space	1,500.00
Miscellaneous ------	Site preparation, access road, signs, etc.	3,000.00
	TOTAL:	$33,600.00

Containerized System for Rural Areas

Capital Investment

One (1) Dumpmaster (24-cu. yd.)	$23,500.00
Seventy-five (75) containers (4-cu. yd.) @ $250	18,750.00
Site preparation for containers @ $50/container	3,750.00
TOTAL:	$46,000.00
GRAND TOTAL:	$79,600.00

SOLID WASTE DISPOSAL PROJECT FOR BLAINE COUNTY

Capital Investment

One Sanitary Landfill

Equipment ----------	One high-lift loader with multi-purpose bucket (Allis Chalmers HO7G or Equal)	$29,100.00
Structure ----------	One structure to house equipment and office space	1,500.00
Miscellaneous ------	Site preparation, access road, signs, etc.	3,000.00
	TOTAL:	$33,600.00

Containerized System for Rural Areas

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Seventy-five (75) containers (4-cu. yd.) @ $250	18,750.00
Site preparation for containers @ $50/container	3,750.00
TOTAL:	$46,000.00
GRAND TOTAL:	$79,600.00

Bladen
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May 8, 1970

Mr. D. L. Evans
Clerk to the Board
Bladen County Commissioners
Elizabethtown, North Carolina 28337

Dear Mr. Evans:

In reply to your letter requesting assistance in the preparation of a solid waste disposal plan for Bladen County, I am requesting that Mr. Fred Wood visit the county and discuss the procedures and program with you. We shall be glad to provide you assistance in the establishment of a satisfactory program.

Very truly yours,

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

SU/mg

cc: Mr. Fred J. Wood

COMMISSIONERS
F. L. TATUM
CARL SUGGS

JAMES SNOWDEN SINGLETARY, CHAIRMAN

COMMISSIONERS
BALLARD E. CARROLL
EDD NYE

County of Bladen

STATE OF NORTH CAROLINA
D. L. EVANS, AUDITOR
Elizabethtown, North Carolina 28337

May 5, 1970

Mr. Nory

RECEIVED
MAY 7 1970
SANITARY ENGINEERING
DIVISION

State of North Carolina
State Board of Health
Sanitary Engineer Committee
Raleigh, N. C.

Dear Sir:

The Bladen County Board of Commissioners request that your Committee send a survey team to Bladen County to make a study and recommendations pertaining to sanitary waste disposal needs of this county.

Sincerely,

D. L. Evans

D. L. Evans
Clerk to the Board

(Bladen Cty)

May 8, 1970

Mr. W. G. Fussell, Director
Economic Development Council
Elizabethtown, North Carolina

Dear Mr. Fussell:

In reply to a request from Mr. George Monaghan, I have made arrangements for Mr. Fred Wood, District Sanitarian, to attend the meeting scheduled for 7:30 p.m. on May 14 at Elizabethtown, North Carolina. Mr. Wood will be glad to discuss the solid waste program and the assistance that this agency might be able to provide in the preparation of a satisfactory program for Bladen County.

Very truly yours,

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

SU/mg

cc: Mr. George Monaghan
Mr. Fred Wood