

4110Permit1993 - Batch No.____

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Guilford Co

41-10/993

State of North Carolina
Department of Environment,
Health and Natural Resources
Winston-Salem Regional Office

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
Leesha Fuller, Regional Manager



December 20, 1993

Mr. Carl D. Wills, Director of Public Works
City of High Point
P.O. Box 230
High Point, NC 27261

SUBJECT: Ingleside Compost Facility (City of High Point)
Permit Number 41-10-YW
Guilford County

Dear Mr. Wills:

Please find enclosed a solid waste permit and the accompanying conditions, approved in accordance with 15A NCAC 13B. This facility is to be operated in accordance with Section .0904 and .0905 of the Solid Waste Management Rules, as well as the enclosed Conditions of Permit. Please note General Condition No. 1 which states that this facility is only permitted to process "yard waste", defined as stumps, limbs, leaves, grass, and untreated wood waste.

This permit is issued for a five year period. Ninety days prior to the expiration date of this permit, the City of High Point shall contact the Solid Waste Section for renewal. Changes may be required at that time, based on the operational record of the facility.

The waste management specialist for your facility is Hugh Jernigan, and he may be reached at (919) 896-7007 if you have questions about the operational aspects of your facility. If you have questions about the permit itself, please feel free to contact me at the same number. We wish you continued success with your recycling activities.

Sincerely,

Janis D. McHargue
Western Area Engineer
Solid Waste Section

cc: Jim Coffey
Julian Foscue

Hugh Jernigan
Central Files

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary



Permit # 41-10-YW
20 December 1993

SOLID WASTE PERMIT

The City of High Point
is hereby issued a permit to operate a

Yard Waste Facility

located

at 3001 Ingleside Drive, High Point, North Carolina

in accordance with Article 9, Chapter 130A of the General Statutes of North Carolina and
all rules promulgated thereunder and subject to the conditions set forth in this permit.

James C. Coffey
Permitting Branch
Solid Waste Section

SOLID WASTE PERMIT

INGLESIDE YARD WASTE COMPOST FACILITY

CONDITIONS OF PERMIT #41-10-YW
ISSUED 20 DECEMBER 1993

1. This facility is permitted to receive "Yard Waste" as defined in 15A NCAC 13B .0100(65) which includes stumps, limbs, leaves, grass, and untreated wood.
2. The facility shall be operated in a manner so as to prevent the creation of a nuisance, potential health hazard, or potential fire hazard.
3. This facility shall conform to operating procedures in Rule .0904 of the Solid Waste Management Rules and the following specific conditions shall be met:
 - a. Site preparation shall be in accordance with the site plan.
 - b. The permit number and the words "Yard Waste Only" shall be posted on an entrance sign to the designated areas.
 - c. Signs shall be posted stating owner's name, operator, contact person and number in case of an emergency, and hours of operation.
 - d. Open burning of solid waste shall be prohibited.
 - e. If solid waste other than yard waste is left at the facility, it shall be removed within seven (7) days.
 - f. Appropriate litter control measures shall be taken within the area to confine the material subject to being blown by the wind. At the conclusion of each day of operation, all windblown material shall be collected and properly disposed of by the operator.
 - g. Yard waste must be removed from containers prior to composting or mulching, unless the bags or other material has been approved for composting by the Section. All containers must be properly disposed.
 - h. Additional conditions and revisions of the approved plans shall be reviewed by the Solid Waste Section.
4. This permit is issued for five (5) years. Ninety days prior to the expiration date of this permit, the operator must notify the Section. Modifications, where necessary, shall be required in accordance with the Rules in effect at the time of review. Said modifications must be submitted prior to the expiration date of this permit.
5. These Conditions of Permit may be subject to revision based on the performance of this facility.

PAGE TWO
CONDITIONS OF PERMIT # 41-10-YW
DECEMBER 20, 1993

6. Any water which comes in contact with solid waste shall be contained on site or properly treated prior to discharge.
7. Effective vector control measures shall be implemented as necessary to control flies, rodents, insects, or vermin.
8. Fires, attempted disposal of unauthorized wastes, or other significant emergencies shall be reported to the Division (Regional Waste Management Specialist) within 24 hours, and a written notification submitted within 15 days.
9. All sedimentation and erosion control activities shall be conducted in accordance with the Sedimentation Control Act (15A NCAC 4).
10. Dust control measures shall be utilized as necessary to control emissions.



CITY OF HIGH POINT
NORTH CAROLINA

JUL 28 1993

July 26, 1993

Janis D. McHargue
Western Area Engineer
Solid Waste Section
8025 North Point Boulevard, Suite 100
Winston Salem, NC 27106-3203

Dear Ms. McHargue:

The City of High Point is enclosing the additional information you requested for permitting the Ingleside Compost Facility.

The enclosed aerial maps do show the area that extends 1/4 mile to the south of the site. The homes and industrial buildings are clearly visible on the aerial and all of these buildings are in the corporate limits of the city and are served by the municipal water distribution system. The west boundary of the site is the Guilford County/Davidson County Line.

I trust this information will complete our application for a permit for the Ingleside Compost Facility. We look forward to hearing from you.

Sincerely,

Perry A. Kairis, P.E.
Assistant Director of Public Works

PAK/tm

cc: Carl D. Wills, P.E.
Director of Public Works

John Butcher,
Landfill Superintendent

Bruce Sekaly,
WTS, Inc.

TDD 919-883-8517

Post Office Box 230, High Point, North Carolina, 27261, FAX 919-883-3419

July 20, 1993

Mr. Perry A. Kairis, P.E.
Assistant Director of Public Works
City of High Point
P.O. Box 230
High Point, North Carolina 27261



TEL (919) 544-7500 • FAX (919) 544-2199
2327 Englert Drive, Suite 1
Durham, NC 27713

Re: Compost Pad Evaluation
Ingleside Composting Facility
High Point, North Carolina

Dear Mr. Kairis:

Environmental Investigations, P.A. has completed an evaluation of the compost pad area in order to address the siting criteria specified by the NC Solid Waste Section. Specifically, Item 3 of the Completeness Review, dated March 11, 1993, requested a determination of a minimum of two feet of separation from the seasonal high water table and an evaluation of prior disposal activities.

A total of five test pits were excavated by the City of High Point personnel and allowed to remain open for 48 hours prior to inspection by an Environmental Investigations' geologist. The five pits were excavated to a depth of 5.5 to 6.0 feet and the location of the pits with respect to the composting operations are shown on the attached map. Photographs of the pits are also attached to this correspondence.

No groundwater was encountered in the five pits to a depth of 5.5 to 6.0 feet. No indication of gleying or mottling was observed in the soil profile, which indicates that the groundwater table does not occur in the upper 5 feet of the surficial soil at any time of the year. Soil encountered in the test pits consisted of a silty clay material and no waste material was noted in any of the pits. Pit #2 encountered a tree root (upper right corner of the photograph); however, this root was likely naturally occurring.

Environmental Investigations, P.A. appreciates this opportunity to provide these services to the City of High Point. If there are any questions regarding this correspondence, please do not hesitate to contact us at (919) 544-7500.

Respectfully,


Gary D. Babb, P.G.
Vice President

Enclosures



State of North Carolina
Department of Environment, Health, and Natural Resources
Winston-Salem Regional Office

James B. Hunt, Jr., Governor

Division of Land Resources
Land Quality Section

Jonathan B. Howes, Secretary

March 17, 1993

LETTER OF APPROVAL

City of High Point
P. O. Box 230
High Point, NC 27261

Attention: H. Lewis Price

Dear Mr. Price:

This office has reviewed the subject sedimentation and erosion control plan. We find the plan to be acceptable and hereby issue this letter of approval.

Be advised that Title 15 NCAC 4B.0017(a) requires that a copy of the approved erosion control plan be on file at the job site. Also, you should consider this letter to give the Notice required by GS 113A-61(d) of our right of periodic inspection to insure compliance with the approved plan.

North Carolina's Sedimentation Pollution Control Program is performance oriented, requiring protection of the natural resources and adjoining properties. If following commencement of this project it is determined that the plan is inadequate to meet the requirements of the Sedimentation and Pollution Control Act of 1973 (North Carolina General Statute 113A-51 through 66), this office may require revisions to the plan and its implementation of the revisions to insure compliance with the Act.

Please note that this approval is based in part on the accuracy of the information provided in the Financial Responsibility Form which you have provided. You are requested to file an amended form if there is any change in the information included on the form. In addition, it would be helpful if you notify this office of the proposed starting date for this project. Please notify us if you plan to have a preconstruction conference, we will plan to attend.



State of North Carolina
Department of Environment, Health, and Natural Resources
Winston-Salem Regional Office

James B. Hunt, Jr., Governor

March 11, 1993

Jonathan B. Howes, Secretary

Mr. Carl D. Wills, Director of Public Works
City of High Point
P.O. Box 230
High Point, NC 27261

Subject: Completeness Review
Ingleside Composting Facility
High Point, Guilford County

Dear Mr. Wills:

The Solid Waste Section has conducted a preliminary completeness review of the referenced application. The following information must be submitted in order to continue the review process.

Siting Criteria:

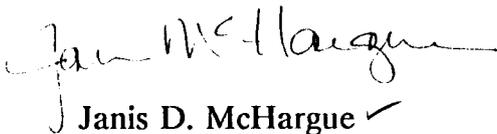
1. A Flood Insurance Rate Map should be provided to determine the portion of the site located in the flood plain.
2. A 200 foot minimum buffer should be shown between the residences on the northeast side and compost stockpile areas.
3. Documentation that the elevation of the compost pad is a minimum of two feet above the seasonal high water table. The subsurface excavations used for this purpose could also be used to provide additional evidence that the facility is not located over closed-out disposal area.
4. Documentation that the site meets the requirements of the Sedimentation Pollution Control Law.
5. The aerial submitted for siting purposes should show the area that extends 1/4 mile to the south of the site. All homes, industrial buildings, and wells should be identified on the map.

Page Two
Mr. Wills
March 11, 1993

Also, please be advised that a minimum of three copies of the complete application should be submitted.

These comments are intended to expedite the review process, and in no way do they restrict the Section's right to request additional information following further review. For clarification or discussion of these comments, please contact me or Hugh Jernigan at (919) 896-7007.

Sincerely,



Janis D. McHargue ✓
Western Area Engineer
Solid Waste Section

cc: Julian Foscue
Jim Coffey
Hugh Jernigan

CERTIFICATE OF PLAN APPROVAL



The posting of this certificate certifies that an erosion and sedimentation control plan has been approved for this project by the North Carolina Department of Environment, Health, and Natural Resources in accordance with North Carolina General Statute 113A - 57 (4) and 113A - 54 (d) (4) and North Carolina Administrative Code, Title 15A, Chapter 4B.0007 (c). This certificate must be posted at the primary entrance of the job site before construction begins and until establishment of permanent groundcover as required by North Carolina Administrative Code, Title 15A, Chapter 4B.0027(b).

INGLESIDE COMPOST FACILITY - GUILFORD

Project Name and Location

3-17-93

Date of Plan Approval


Asst. Regional Engineer

SEDIMENTATION INSPECTION REPORT

NORTH CAROLINA DEPARTMENT OF ENVIRONMENT, HEALTH, AND NATURAL RESOURCES
LAND QUALITY SECTION: 8025 North Point Blvd., Suite 100, Winston-Salem, N.C. 27106 (919) 896-7007

County Guilford Project: Invasive Tree Campsite Facility Case # _____
Project Location 10300 Drive ~ North High Point
Person(s) Financially Responsible City of High Point
Address P.O. Box 230 High Point NC 27261

1. Pictures: Yes No Number _____ Prints Slides Video

2. Weather & soil conditions Cloudy, cold, snowing, soil WET

3. Is site currently under Notice of Violation? Yes No

4. Is the site in compliance with the S.P.C.A. and Rules? Yes No If no check violations below.

5. Violations:

- | | |
|---|--|
| <input type="checkbox"/> a. No approved plan, G. S. 113A-57 (4) and 15A N.C.A.C. 4B.0007(c) | <input type="checkbox"/> f. Failure to take all reasonable measures, 15A N.C.A.C.4B.0005 |
| <input type="checkbox"/> b. Failure to follow approved plan, G.S. 113A-61.1 | <input type="checkbox"/> g. Inadequate buffer zone, G.S. 113A-57(1) |
| <input type="checkbox"/> c. Failure to submit revised plan, G.S. 113A-54.1(b) and 15A N.C.A.C. 4B.0018(a) | <input type="checkbox"/> h. Graded slopes and fills too steep, G.S. 113A-57(2) or 15A N.C.A.C. 4B.0024 (d) |
| <input type="checkbox"/> d. Failure to provide adequate groundcover, G.S. 113A-57(3) and 15A N.C.A.C. 4B.0007 (b) or 15A N.C.A.C. 4B.0024 (e) | <input type="checkbox"/> i. Unprotected exposed slopes, G.S. 113A-57(2) |
| <input type="checkbox"/> e. Insufficient measures to retain sediment on site, G.S. 113A-57(3) | <input type="checkbox"/> j Failure to maintain erosion control measures, 15A N.C.A.C. 4B.0013 |
| | <input type="checkbox"/> k. Other (describe) _____ |

6. Has off-site sedimentation occurred since last inspection? Yes No Remarks None noted
Degree: Slight Moderate Severe Remarks _____

7. Contact made with (Name) Brian Sullivan Title (Name) Erosion Control Inspector
Inspection Report given to: ~~_____~~

Copy of inspection report to be sent to person(s) responsible: City of High Point
Other (Name) _____ Date Sent 3/2/93

9. Corrective actions needed: _____

(Required measures to plan and file today in field)

10. Comments: The additional measures noted on the last inspection have been implemented and appear to have worked very well during the last rain. Seeding and mulching of some of the dips and areas not be disturbed again needs to be performed. Otherwise, excellent erosion control devices on site. The site is in compliance except for the plan approval.

Report by: [Signature] Others present _____
Date of inspection 2-25-93 Time arriving on site 3:30 pm Time leaving site 4:30 pm



CITY OF HIGH POINT

NORTH CAROLINA

February 24, 1993

Mr. Julian Foscue
PO Box 27687
Raleigh, NC 27611

RE: INGLESIDE COMPOST FACILITY PERMIT

Dear Mr. Foscue:

Enclosed you will find the application for permit for the above referenced yard waste facility. This application includes the following:

- (A.) Aerial map at a scale: 1" = 200'
- (B.) Site plan at a scale: 1" = 100'
- (C.) Written report dated February 1993
- (D.) Operations plan dated February 1993

Furthermore, the site meets all of the requirements of NCAC Section .0903 (a) 1-12. The facility is not, to the best of my knowledge, located over a closed out solid waste disposable area.

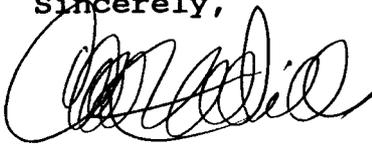
The City did begin grading for the construction of the compost pad last summer in anticipation of the yard waste ban at the landfill effective January 1, 1993. On July 6, 1992, Mr. Perry A. Kairis, of my office contacted Ms. Jan McHargue and notified her of our progress and invited her to come visit the compost facility and the material recovery facility.

The City's intention was to determine if it exceeded the 6,000 c.y. per quarter threshold during the fall of 1992. The scalehouse attendant documented all incoming materials during this period in preparation for the annual report due to your office in February in accordance with the notification form. In January we realized that we were not able to stay below 6,000 c.y. Therefore, we were preparing to submit an application for permit. A contract was signed in January 1993 with Waste Technology Systems (WTS) to assist the City in preparing an operations plan and permit application. However, on January 29, 1993, Mr. Hugh Jernigan, Jr. sent the City of High Point a notification of violation. Mr. Jernigan was unaware of the compost facility and he was concerned that proper notification was not given. Again, we did notify the Winston-Salem office of our facility and we were already in the process of submitting a proper permit application.

Page 2
February 24, 1993
Mr. Foscue

It is our intention to fulfill the requirements of the yard waste regulations and operate a first-class recycling facility. At the same time, we ask that your staff continues to cooperative and support our efforts for a facility that will prevent this material from being landfilled. The City has invested a great deal of time and effort, including equipping the facility with a scale, office trailer, fence, gates, proper signage, paved access road, and staff to properly operate the facility. We beleive this effort has been made in good faith knowing that the State will assist us in permitting this site to meet our mutual waste reduction goals.

Sincerely,



Carl D. Wills, P.E.
Director of Public Works

CDW/tnm

CITY OF HIGH POINT

INGLESIDE COMPOST
FACILITY

Written Report

February 1993

APPROVED
DIVISION OF SOLID WASTE MANAGEMENT
DATE 12-21-93 BY [Signature]

The purpose of this report is to specifically address the requirements of the North Carolina Administrative Code Section .0903 (b) (3). This report is meant to compliment the Ingleside Compost Facility (ICF) operations plan which describes in detail the daily operations of the facility.

(A.) TYPE, SOURCE AND COMPOSTION OF WASTE RECEIVED

The ICF is designed to receive tree limbs, shrubs, grass, leaves, and untreated wood. The sources of this material include generators located within High Point's flow control area. Private citizens, public organizations, commercial tree companies, and the city's yard waste collection trucks are the anticipated sources of material for the facility. Acceptable waste will be composed strickly of yard waste and will be separated and processed at the facility. Unauthorized/non-conforming waste will not be allowed at the facility.

(B.) CLEAN AND ORDERLY OPERATION

The ICF entrance is completely surrounded with a wooden privacy fence including a chain link gate. The gate is locked at all times except during the hours of operation which are posted on the entrance sign. The sign also contains the name of the ICF owner, operator, and contact person in case of an emergency. Dust and litter control are specifically addressed in the operations plan. Basically, a sweeper/flusher truck is used once each week to maintain the paved access road. City forces are used to control litter as necessary. Fire protection is provided in accordance with the operations plan, including fire and emergency drills

bi-annually. On-site fire protection is also available in the form of fire hoses and a fire hydrant. Odor is monitored daily and provisions are in place to maintain all areas of compost in an aerobic condition utilizing a windrow turner.

(C.) DESIGN CAPACITY OF FACILITY

The ICF is located on a 32 acre parcel owned by the City of High Point. Approximately 2.6 acres will be used for active composting. The facility has sufficient capacity to handle all of the anticipated yard waste and there is room for future expansion.

(D.) COMPOSTING INFORMATION

The City of High Point anticipates a composting time of 120-150 days from the time the material is received until it is stockpiled and ready for distribution. Many factors will affect this time duration, including type of feedstocks used, weather conditions, season of the year, etc.

(E.) TYPICAL WINDROW CONSTRUCTION

Typical windrows will be trapezoidal in shape with a bottom width of approximately 12' and a top width of approximately 5'. The windrows will be constructed approximately 5'-7' high until initial breakdown of material takes place. After the windrows reduce in volume, adjacent windrows will be combined in the composting process.

(F.) WINDROW AREATION

The City of High Point has looked at various types of windrow turning machines including the Wildcat, Scat, Scarab, Cobey, and Sittler. The City has leased some of these pieces of

equipment and is now budgeting to purchase a windrow turner. The windrows will be monitored for oxygen levels and temperature. The windrows will be turned as necessary to insure aerobic conditions for the micro-organisms.

(G.) IN-VESSEL COMPOSTING

The city does not have plans for in-vessel composting at this time.

(H.) PERSONNEL

The ICF will be operated under the landfill division of the Public Works department. The superintendent for the landfill division is Mr. John F. Butcher at (919) 883-3433. Mr. Butcher will assign appropriate supervision, scalehouse operator, motor equipment operators, labors and security as necessary to operate the facility in accordance with this report and the ICF operations plan. The scalehouse operator will be responsible to keep all records of incoming and out-going tonnage and appropriate tipping fees. The scalehouse operator is also responsible to check for unauthorized/non-conforming waste that may enter the ICF. All acceptable waste will be directed to the appropriate receiving area for unloading. Motor equipment operators and labors will be responsible to segregate the materials as necessary and construct the proper windrows. Some processing may be required prior to windrow construction including tub grinding, de-bagging, etc. The ICF specialist will be responsible for monitoring the windrows for oxygen, moisture, pH, and odors and recording this information daily in the windrow reports. The equipment operators will be used to turn and aerate the piles as well as use the screening

equipment necessary to prepare the compost for final distribution. The ICF specialist will be responsible for all on-site activities including safety, dust control, litter control and odor control.

(I.) SURFACES AND GROUNDWATER

The access roads within the ICF are paved and unloading areas are grassed or gravel. The compost pad is constructed from 8" of rock dust, compacted by a steel wheel roller. Topographical characteristics of the site suggest that the seasonal high groundwater is in excess of 15' below the site.

(J.) COMPOSTING PAD

The composting pad is approximately 2.6 acres in size and is constructed of compacted rock dust material. The pad is designed such that all runoff drains down the center of the pad and is collected in a stormwater retention pond for re-circulation to the compost. The pad is wide enough to contain 8-10 windrows with a length of approximately 500'. The compost pad is on a 3.5% grade which allows for proper surface drainage. The ICF specialist is responsible to maintain all areas of the pad to achieve proper drainage and to eliminate standing free moisture.

(K.) COMPOST MONITORING

The ICF specialist is required to complete windrow reports on a daily basis. These reports monitor all of the physical properties of the compost including volume, weight, moisture content, oxygen level, temperature, pH, odors, etc. It is the City's intention to monitor these parameters and make necessary adjustments to maintain the microbial activity in the windrow. Not only will this speed the decomposition process, but will also

avoid nuisances such as odor and vectors. Emission control will constantly be monitored at the site to ensure that established vegetation prevents off-site sedimentation.

(L.) WASTE INPUT

Any material which is not suitable to be distributed as compost will be disposed of properly or re-introduced back into a new windrow to initiate microbial activity. Plastic bags, unauthorized/non-conforming waste, etc. will be removed from the facility in a timely manner and properly disposed of at the City's landfill.

In summary, the Ingleside Composting Facility is intended to be a state-of-the-art yard waste recycling facility. The City of High Point collects yard waste at residential households one time each week. With the ICF, this material will no longer have to be disposed of at the landfill. As part of our overall waste management goals, and in keeping with the solid waste management plan of the City of High Point, the ICF is a necessary program to recycle yard waste and prevent this material from putting an additional strain on the already overloaded landfills.



CITY OF HIGH POINT

NORTH CAROLINA

SPECIAL USE PERMIT 92-9

CITY OF HIGH POINT, NORTH CAROLINA

THE HIGH POINT CITY COUNCIL, PURSUANT TO TITLE 9, CHAPTER 3 OF THE CITY CODE, APPROVED A SPECIAL USE PERMIT FOR THE FOLLOWING USE, SUBJECT TO THE CONDITION(S) LISTED BELOW ON MAY 21, 1992.

USE

To allow a nonhazardous solid waste disposal facility in an Agricultural (AG) District.

CONDITION

Development of the site shall be pursuant to Section 9-4-5(a) of the Development Ordinance and in accordance with the site plan approved by City Council.

The property is located on the west side of Ingleside Drive opposite the western terminus of West Bellevue Drive.

It is known as County Tax Map Number 299, Block Number 1, Lot Number 1.

DESCRIPTION OF PROPERTY: Being one lot totalling approximately 32.80 acres as shown on Guilford County Tax Map 229, Block 1, Lot 1. The property is located on the west side of Ingleside Drive opposite the western terminus of West Bellevue Drive.

If the property involved in this Special Use Permit is used as approved, the property described in this Special Use Permit will be subject to such conditions as imposed on said Special Use, unless subsequently changed or amended as provided for in Title 9, Chapter 3 of the City Code. The Special Use Permit and its conditions shall bind the owner(s) of the above described property and any successors in interest.

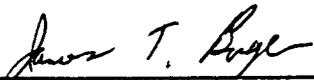
The issuance of a Special Use Permit shall not allow the development of the site for the Special Use, but shall merely authorize the filing of an application for a required building permit, site plan, subdivision or other approval required by the Technical Review Committee.

Construction of the project specified within this Permit shall begin within eighteen (18) months from the date of City Council approval or the Special Use Permit shall expire.



Director of Public Works

June 1, 1992
Date



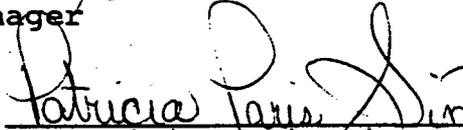
Director of Planning and Development

June 1, 1992
Date



City Manager

June 2, 1992
Date

Attest: 

Patricia Paris Simmons
City Clerk

