



North Carolina Department of Environment and Natural Resources  
Division of Waste Management

Beverly Eaves Perdue  
Governor

Dexter R. Matthews  
Director

Dee Freeman  
Secretary

STATE OF NORTH CAROLINA  
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES  
DIVISION OF WASTE MANAGEMENT  
SOLID WASTE SECTION

**TRANSFER, RECYCLE, RESOURCE RECOVERY AND PROCESSING  
FACILITY  
Permit No. 3424**

OVERDALE HOLDINGS, INC. (OWNER)  
and  
ABBEY GREEN, INC. (OPERATOR)  
are hereby issued a

**PERMIT TO CONSTRUCT/OPERATE**

ABBEY GREEN RECYCLING CENTER  
A TRANSFER, RECYCLE, RESOURCE RECOVERY AND PROCESSING FACILITY

Located at the *5030 Overdale Road, City of Winston-Salem, Forsyth County, 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. The legal description of the site is identified on the deeds recorded for this property listed in Attachment No. 1 of this permit.

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

**ATTACHMENT 1**

**PART I: PERMITTING HISTORY**

1. Original Permit for construction and operation of the facility was issued July 2010. DIN 11221.
2. Revision to Permit to Construct/ Permit to Operate – including Operations Plan. November 2010. DIN 11221.
3. Permit modification changes to approved disposal facilities. April 2011. DIN 13666.
4. Permit modification for changes to the Operations Plan, service area and constructed improvements to the facility.

<b>Permit Type</b>	<b>Date Issued</b>
Permit to Construct/Operate	July 30, 2010
Permit to Construct/Operate – revised	November 2, 2010
Permit to Operate – Modification	April 27, 2011
<b>Permit to Operate – Modification</b>	November 9, 2011

**PART II: LIST OF DOCUMENTS FOR THE APPROVED PLAN**

1. *C&D Treatment and Processing, Permit Application, Abbey Green Recycling Center, 5030 Overdale Road, Winston-Salem, North Carolina, Kleinfelder Project No. 102111.* Prepared for Abbey Green. Prepared by Kleinfelder. May 2009. DIN 7788.
2. *Site Plan and Building Drawings.* Prepared for Abbey Green. Prepared by Beeson Engineering and MESCO Building Solutions. Revised June 2010. DIN 11061.
3. *Operations Manual, Abbey Green Recycling Center, 5030 Overdale Road, Winston-Salem, North Carolina.* Prepared for Abbey Green. Prepared by Kleinfelder. Revised June 2010. DIN 11199.
4. *Revised Operations Manual, Abbey Green Recycling Center, 5030 Overdale Road, Winston-Salem, NC.* Approval letter prepared by Patricia A. Wylie, Industrial Hygiene Consultant, Health Hazards Control Unit. July 2010. DIN 11200.
5. *North Carolina General Warranty Deed, Grantor – Dogwood Development and Management Company, LLC, Grantee – Overdale Holdings, LLC.* Dated October 6, 2009. DIN 11220.
6. *Operations Manual, Abbey Green Recycling Center, 5030 Overdale Road, Winston-Salem, North Carolina.* Prepared for Abbey Green. Prepared by Kleinfelder. Revised June 2010, revised August 2010, revised September 2010. DIN 11740.
7. *Abbey Green, Inc., Transfer, Recycle, Resource Recovery and Processing Facility, Permit 34-24, Request for Permit Modification.* Prepared Abbey Green. April 2011. DIN 13660.

8. *Operations Manual, Abbey Green, Inc, Permit 34-24.* Prepared by Abbey Green Inc. Revised September 2011. DIN 15211.
9. *Leachate Collection System.* Prepared by Abbey Green Inc. October 2011. DIN 15540.
10. *Overall Site Plan.* Prepared for Abbey Green, Inc. Prepared by Beeson Engineering . November 2011. DIN 15541.

**PART III: PROPERTIES APPROVED FOR THE SOLID WASTE FACILITY**

<b>Forsyth County, N.C. Register of Deeds</b>				
Book	Page	Acreage	Grantor	Grantee
2915	3250-3255	20.797	Dogwood Development and Management Company, LLC	Overdale Holdings, LLC
		20.797	Total Facility Acreage	

**PART IV: GENERAL PERMIT CONDITIONS**

1. This permit is issued by the North Carolina Department of Environment and Natural Resources, Division of Waste Management, Solid Waste Section (Section). In accordance with North Carolina Solid Waste Management Rule 15A NCAC 13B .0201(d), a solid waste management facility permit shall have two parts: a Permit to Construct and a Permit to Operate. The Permit to Construct must be implemented in accordance with Attachment 2 of this permit. The Permit to Operate must be implemented in accordance with Attachment 3 of this permit.
2. (Intentionally Blank)
3. (Intentionally Blank)
4. When this property is sold, leased, conveyed, or transferred in any manner, the deed or other instrument of transfer shall contain in the description section in no smaller type than that used in the body of the deed or instrument, a statement that the property has been used as a sanitary landfill and a reference by book and page to the recordation of the permit.
5. By receiving waste at this facility the permittee shall be considered to have accepted the terms and conditions of this permit.
6. Operation of this solid waste management facility must be in accordance with the Solid Waste Management Rules, 15A NCAC 13B, Article 9 of the Chapter 130A of the North Carolina General Statutes (NCGS 130A-290, et seq.), the conditions contained in this permit; and the approved plan. Should the approved plan and the rules conflict, the Solid

Waste Management Rules shall take precedence unless specifically addressed by permit condition.

7. This permit is issued based on the documents submitted in support of the application for permitting the facility including those identified in Attachment 1, Part II: “List of Documents for Approved Plan”, and which constitute the approved plan for the facility. Where discrepancies exist, the most recent submittals and the Conditions of Permit shall govern.
8. This permit may be transferred only with the approval of the Section, through the issuance of a new or substantially amended permit in accordance with applicable statutes and rules. In accordance with NCGS 130A-295.2(g) the permittee shall notify the Section thirty (30) days prior to any significant change in the identity or business structure of either the owner or the operator, including but not limited to a proposed transfer of ownership of the facility or a change in the parent company of the owner or operator of the facility.
9. The permittee is responsible for obtaining all permits and approvals necessary for the development of this project including approval from appropriate agencies for a General or Individual NPDES Stormwater Discharge Permit. Issuance of this permit does not remove the permittee’s responsibilities for compliance with any other local, state or federal rule, regulation or statute.

*- End of Section -*

## **ATTACHMENT 2**

### **CONDITIONS OF PERMIT TO CONSTRUCT**

#### **PART I: CONSTRUCTION CONDITIONS**

1. This permit authorizes construction at the transfer facility in accordance with the approved plans, Attachment 1, Part II, List of Documents for the Approved Plan. Any revision or modification to these plans shall be submitted to the NC Solid Waste Section (Section) for review and approval prior to installation, construction or implementation of the change and may be subject to additional fees.
2. The initial, substantial, construction authorized by this Permit to Construct must commence within 18 months from the issuance date of this permit. If substantial construction does not begin within 18 months from the issuance date of this permit, then the permit to construct shall expire. Substantial construction includes, but is not limited to, issuance of construction contracts, mobilization of equipment on site, and construction activities including installation of sedimentation and erosion control structures. The permittee may reapply for the permit to construct prior to the expiration date. The re-application will be subject to the statutes and rules in effect on that date and may be subject to additional fees.

3. An approval to operate by the Section is required prior to commencement of operations at the referenced facility. The following requirements shall be met prior to issuance of an approval to operate:
  - a. A site inspection shall be made by a representative of the Section.
  - b. Construction must be completed in accordance with the approved plan.
  - c. A representative of the Section shall notify the Permitting Branch Supervisor in writing, either by letter or e-mail, that the conditions have been met. The owner and operator shall be copied on the correspondence. The notification shall suffice as permission to operate as of the date of the notification.

*- End of Section -*

### **ATTACHMENT 3**

#### **CONDITIONS OF OPERATING PERMIT**

##### **PART I: OPERATING CONDITIONS**

1. The Permit to Operate shall expire July 30, 2015. Pursuant to 15A NCAC 13B .0201(g), no later than April 30, 2015, the owner or operator must submit a request to the Section for permit review and must update pertinent facility plans including, but not limited to, the facility operation and waste screening plans.
2. The Permit to Operate approves the continued operation of the facility and approves changes to the Operations Plan and service area.
3. The facility is permitted to receive solid waste as defined in NCGS 130A -290 (35).
4. The facility must meet the requirements of 15A NCAC 13B.0105. In addition, the following, at a minimum, must not be accepted at the facility; hazardous waste, liquid wastes, regulated medical waste, sharps not properly packaged, regulated-asbestos containing material as defined in 40 CFR 61, PCB waste as defined in 40 CFR 761.
5. This facility is permitted to receive municipal solid waste generated within Alexander, Alamance, Cabarrus, Catawba, Davidson, Davie, Forsyth, Guilford, Iredell, Mecklenburg, Randolph, Rockingham, Rowan, Stokes, Surry, Union, Yadkin and Wilkes Counties. Construction and Demolition Debris Waste must be transported for disposal to; Forsyth County's Old Salisbury Road Construction and Demolition Debris Landfill (Permit No. 3412), Republic Service's Overdale Road Transfer Station (Permit No. 3416), Morton and Sewell Development Company's Gold Hill Construction and Demolition Debris Landfill (Permit No. 7606), A-1 Sandrock, Inc.'s A-1 Sandrock Construction and Demolition Debris Landfill (Permit No. 4117) or WCA of High Point, LLC's WCA of High Point Construction and Demolition Debris Landfill (Permit No. 4116). Municipal Solid Waste must be transported to: the City of Winston-Salem's Hanes Mill Road Landfill (Permit No. 3402) or Republic Service's Overdale Road Transfer Station (Permit No. 3416). Proposed changes to the service area and/or the disposal facility must be

- approved by the Section and will constitute a permit modification and be subject to the applicable permitting fee.
6. The permittee must not knowingly dispose of, or accept for transfer for subsequent disposal, municipal solid waste that is generated within the boundaries of a unit of local government that by ordinance:
    - a. Prohibits generators or collectors of municipal solid waste from disposing of that type or form of municipal solid waste.
    - b. Requires generators or collectors of municipal solid waste to recycle that type or form of municipal solid waste.
  7. A responsible individual trained and certified in facility operations must be on-site at all times during all operating hours of the facility, in accordance with G.S. 130A-309.25.
  8. The permittee must develop, and use, a training and screening program at the facility for detecting and preventing unauthorized wastes from being accepted at the facility. At a minimum, the program must include:
    - a. Random inspections of incoming loads or other comparable procedures.
    - b. Records of all inspections.
    - c. Training of personnel to recognize hazardous, liquid and other excluded waste types.
  9. The facility must not cause nuisance conditions.
    - a. The tipping floor and loading area must be maintained in a clean, sanitary condition at all times and must be cleaned at least daily.
    - b. Waste must only be deposited on a “tipping floor” or directly into a transfer container. Waste may be stored on the “tipping floor” after operating hours, in accordance with the approved plans, Attachment 1, Part II, List of Documents for the Approved Plan.
    - c. Waste may be stored on-site, in leak proof transfer trailers, with watertight covers, a maximum of 5 working days. Storage of the waste must not cause any nuisance, such as odor or attraction of vectors.
    - d. Effective vector control measures must be applied at all times to control any potential vectors including flies, rodents, insects, and other vermin.
    - e. Control measures must be utilized to minimize and eliminate visible dust emissions and blowing litter.
      - i) Fugitive dust emissions are prohibited.
      - ii) Windblown materials must be collected by the end of the day and no windblown material may be allowed to leave the facility boundary.
  10. All water that comes in contact with solid waste, including vehicle wash-down water, is leachate and must be captured and properly treated before release to the environment.
    - a. The leachate control system, such as floor drains, leachate collection devices, sanitary sewer connections and leachate storage tanks, must be operational during facility operations.

- b. The tipping floor must drain away from the building entrance and into the leachate collection system.
11. The permittee must at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures.
  12. In the event of noncompliance with the permit, the permittee must take all reasonable steps to minimize releases to the environment, and must carry out such measures as are reasonable to prevent adverse impacts on human health or the environment.
  13. All sedimentation and erosion control activities must be conducted in accordance with the Sedimentation Control Act N.C.G.S. 113A-50, et seq., and rules promulgated under 15A NCAC 4.
  14. Copies of this permit, the approved plans and all records required to be maintained by the permittee must be maintained at the facility, unless otherwise approved by the Section, and made available to the Section upon request during normal business hours.
  15. The permittee must maintain a record of the amount of solid waste received at the facility, including daily records of waste received and origins of the loads. Scales must be used to weigh the amount of waste received. The daily records are to be summarized into a monthly report for use in the required annual reports.
  16. On or before August 1 annually, the Permittee must submit an annual facility report to the Solid Waste Section, on forms prescribed by the Section.
    - a. The reporting period shall be for the previous year beginning July 1 and ending June 30.
    - b. The annual facility report must list the amount of waste received in tons and be compiled:
      - i) On a monthly basis.
      - ii) By county, city or transfer station of origin.
      - iii) By specific waste type.
      - iv) By receiving disposal facility.
      - v) By diversion to alternative management facilities.
    - c. The completed report must be forwarded to the Regional Environmental Specialist for the facility by the date due on the prescribed annual facility report form.
    - d. A copy of the completed report must be forwarded to each county manager for each county from which waste was received at the facility. Documentation that a copy of the report has been forwarded to the county managers must be sent to the Regional Environmental Senior Specialist by the date due on the prescribed annual facility report form.

17. Financial assurance as required by state rules and statutes must be continuously maintained for the duration of the facility in accordance with applicable rules and statutes. Closure and Post-Closure cost estimates and financial instruments must be updated annually.

## PART II: MISCELLANEOUS SOLID WASTE MANAGEMENT CONDITIONS

### General Conditions

18. Wastes received and product stored shall be maintained in reasonably sized piles with adequate fire breaks and lanes in accordance with the approved operational plans and the pertinent rules.
19. Surface water shall be diverted from all operational and storage areas to prevent standing water in operational areas and under or around storage piles. Water that comes in contact with solid waste shall be contained on-site or properly treated prior to discharge.
20. These areas shall be operated and maintained with sufficient dust control measures to minimize airborne emissions and to prevent dust from becoming a nuisance or safety hazard.
21. These areas shall be operated and maintained in a manner so as to minimize odors, prevent the creation of a nuisance, potential health hazard, or a potential fire hazard.
22. Effective vector control measures shall be applied as necessary to control flies, rodents, insects, or vermin.
23. The facility must manage all operations according to all applicable statutes and rules of the State of North Carolina.

### Operational Conditions – White Goods

24. The facility is permitted to receive white goods as defined in North Carolina General Statute Article 9, Chapter 130A-290(44).
25. (Intentionally Blank)
26. The facility must manage white goods according to all applicable statutes and rules of the State of North Carolina.
27. White goods collection areas shall provide for the proper removal of chlorofluorocarbon refrigerants.

### Operational Conditions – Wood Grinding, for Boiler Fuel

28. The facility is permitted to receive land clearing waste as defined in 15A NCAC 13B, Rule .0101(23).
29. The facility is permitted to receive wooden pallets constructed of unpainted and untreated natural wood.

30. The facility is not permitted to receive yard trash as defined in 15A NCAC 13B, Rule .0101(56).
31. The facility must manage the storage and grinding of wood, for boiler fuel, according to the Operation Plan included in Attachment II, "List of Documents for the Approved Plan". This document is included in the approved plan. Any revisions to the approved plan shall be approved by the North Carolina Division of Waste Management (DWM), Solid Waste Section, prior to implementation.

#### Operational Conditions – Drywall Grinding

32. The facility must manage the storage and grinding of drywall according to the Operation Plan included in Attachment II, "List of Documents for the Approved Plan". This document is included in the approved plan. Any revisions to the approved plan shall be approved by the North Carolina Division of Waste Management (DWM), Solid Waste Section, prior to implementation.

#### Operational Conditions – Asphalt Shingles Grinding

33. The facility must manage the storage and grinding of asphalt shingles according to the Operation Plan included in Attachment II, "List of Documents for the Approved Plan". This document is included in the approved plan. Any revisions to the approved plan shall be approved by the North Carolina Division of Waste Management (DWM), Solid Waste Section, prior to implementation.

#### Operational Conditions – Inert Debris Pulverizing

34. This facility is permitted to receive “Inert debris” as defined in NCGS 130A-290(a)(14) means solid waste that consists solely of material such as concrete, brick, concrete block, uncontaminated soil, rock, and gravel.
35. This facility is permitted to receive “Asphalt” in accordance with NCGS 130A-294(m).
36. The facility must manage the storage and pulverizing of inert debris and asphalt according to the Operation Plan included in Attachment II, "List of Documents for the Approved Plan". This document is included in the approved plan. Any revisions to the approved plan shall be approved by the North Carolina Division of Waste Management (DWM), Solid Waste Section, prior to implementation.

#### Mobile Home Deconstruction

37. Storage of mobile homes, recyclable materials and deconstruction activities shall take place only in the designated mobile home deconstruction area, which shall be a graded area within the facility.
38. All mobile homes must be deconstructed within 45 days from acceptance at the facility. The date of receipt at the landfill shall be posted on the mobile home or its frame.
39. All material not planned for recycling will be placed in an appropriate approved disposal container before the end of the day in which deconstruction takes place.

40. Records shall be kept at the facility in accordance with the approved plan.
41. Mobile homes may be accepted for deconstruction from the facility's approved service area.

*- End of Permit Conditions -*