



North Carolina Department of Environment and Natural Resources

Dexter Matthews, Director

Beverly Eaves Perdue, Governor
Dee Freeman, Secretary

June 26, 2009

Ms. Josephine Valencia
Disposal Manager
City of Durham
101 City Hall Plaza
Durham NC 27704

Re: City of Durham Transfer Facility
Durham County, North Carolina
Permit # 32-12T: PTO Modification
Doc ID No: 7872

Dear Ms. Valencia:

Enclosed is a modified Permit to Operate (PTO) a solid waste Transfer Facility and the accompanying conditions for the above referenced facility.

Please note Operational Conditions, Part I of Attachment 3, which identifies the operational requirements for this facility. Please review the conditions of the permit carefully and if you have any questions or comments please contact Chris Marriott, Waste Management Regional Specialist for your area. You can reach Chris Marriott in our Winston-Salem Regional Office at phone number 336-771-5090. If you have any questions about your permit, please feel free to contact me at (919) 508-8520 or email me at agyemang.adupoku@ncdenr.gov.

Sincerely,

Agyemang Adu-Poku
Environmental Engineer II
Solid Waste Section

cc: Edward F. Mussler III, P.E./DWM/Solid Waste Permitting Branch Supervisor
Mark Poindexter/DWM/Field Operations Branch Supervisor
Jeff Skabo/DWM/Solid Waste Section
Chris Marriott/DWM/Solid Waste Section
DWM Central File – Durham County (32-12T)

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone: 919-508-8400 \ FAX: 919-715-4061 \ Internet: www.wastenotnc.org

Permit No. 32-12T



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Sincerely,

Agyemang Adu-Poku
NCDENR DWM Solid
Waste Section
2009.06.26 09:17:43
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Agyemang Adu-Poku
Environmental Engineer II
Solid Waste Section

cc: Edward F. Mussler III, P.E./DWM/Solid Waste Permitting Branch Supervisor
Mark Poindexter/DWM/Field Operations Branch Supervisor
Jeff Skabo/DWM/Solid Waste Section
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Facility Permit No: 32-12T
Part 2 - Permit to Operate: Modification
Durham County Transfer Station
Issuance Date: June 12, 2009
Doc ID: 7666
Page 1 of 9

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

MUNICIPAL SOLID WASTE TRANSFER FACILITY
Permit No. 32-12T

CITY OF DURHAM
is hereby issued a

PERMIT TO OPERATE

THE CITY OF DURHAM TRANSFER STATION
A MUNICIPAL SOLID WASTE TRANSFER FACILITY
(with a Pre-Loaded Compactor Unit)

Located at the City of Durham Landfill facility, at 2115 East Club Boulevard, City of Durham, Durham 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 facility is located and described by the legal description found in the approved application.

Edward F. Mussler III, P.E.
cn=Edward F. Mussler III, P.E.,
c=US, o=Division of Waste
Management, ou=Solid Waste
Section, email=ed.
mussler@ncmail.net
I have reviewed this document
and am approving this document
2009.06.12 11:12:32 -04'00'

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

ATTACHMENT 1

PART I: PERMITTING HISTORY

1. On June 12, 2009 a modification was made to the Permit to Operate (PTO) to include recycling transfer operations after normal municipal solid waste transfer operations.

Permit Type	Date Issued
Original Issue Permit to Construct (PTC)	December 9, 1997
Original Issue Permit to Operate (PTO)	May 12, 1999
Version 1: Modification (PTC)	April 26, 2001
Version 2: Modification (PTO)	July 25, 2001
Version 3: Modification (PTO)	April 28, 2005
Version 4: Modification (PTO) RCO643	December 18, 2006
Version 5: Modification (PTO)	June 12, 2009

PART II: LIST OF DOCUMENTS FOR THE APPROVED PLAN

1. Items 1 thru 10 listed in Version 4: Modification, Permit to Operate, December 18, 2006. DIN: RCO643
11. *Permit Modification, City of Durham Solid Waste Transfer Station.* Prepared by Donald Long, Solid Waste Director, Solid Waste Department, City of Durham. Prepared for City of Durham Solid Waste Transfer Station, North Carolina. May 22, 2009. DIN: 7709.

PART III: GENERAL PERMIT CONDITIONS

1. This permit shall expire April 28, 2010. Pursuant to 15A NCAC 13B .0201(g), no later than December 28, 2009, the owner or operator must submit a request to the North Carolina Department of Environment and Natural Resources, Division of Waste Management, Solid Waste Section ("Section") for permit review and must update pertinent facility plans including, but not limited to, the facility operation and waste screening plans.
2. The persons to whom this permit is issued ("permittee") are the owners and operators of the solid waste management facility.

3. (Intentionally Blank)
4. (Intentionally Blank)
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 I, 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

This Section is not applicable to this Permit issued June 12, 2009.

ATTACHMENT 3

CONDITIONS OF PERMIT TO OPERATE

PART I OPERATING CONDITIONS

1. The facility is permitted to receive solid waste as defined in NCGS 130A -290 (35).
2. The following, at a minimum, must not be accepted for disposal 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, and wastes banned from disposal in North Carolina by G.S. 130A-309.10(f).
3. This facility is permitted to receive municipal solid waste (MSW), commercial waste (CW), and construction & demolition debris (C&D) wastes, white goods, yard waste, brush and land clearing debris generated in the Counties, Durham, Chatham, Granville, Orange, Person and Wake in North Carolina. Waste shall be transported for disposal at the Allied Waste Industries, Inc. Landfill located in Brunswick, Virginia (Brunswick Waste Management Facility, LLC). Changes to the service area and/or the disposal facility shall be approved by the Division and will be subject to a permit fee.
4. This facility is permitted to receive single stream residential recyclables. However the daily recycling operation shall begin only when all the MSW has been removed from the tipping floor in accordance with the approved operations plan addendum, DIN: 7709.
5. 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.
6. 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.
7. 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.
8. The facility must not cause nuisance conditions.
 - a. The tipping floor and transfer trailer loading area must be maintained in a clean, sanitary condition at all times and must be cleaned at least daily in accordance with the approved Operational Plan.
 - b. Waste must only be deposited on a "tipping floor" or directly into a transfer container. Waste must not be stored on the "tipping floor" after operating hours.
 - c. Waste may be stored on-site, in leak proof transfer trailers, with watertight covers, a maximum of 24 hours except that a minimal amount of waste may be stored for a maximum of 72 hours when the facility is closed during a weekend or holiday. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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 the facility. Documentation that a copy of the report has been forwarded to the county managers must be sent to the Regional Environmental Specialist by the date due on the prescribed annual facility report form.

PART II- MISCELLANEOUS SOLID WASTE MANAGEMENT CONDITIONS

General Conditions

- 14. 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.
- 15. 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.
- 16. 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.
- 17. 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.
- 18. Effective vector control measures shall be applied as necessary to control flies, rodents, insects, or vermin.
- 19. The facility must manage all operations according to all applicable statutes and rules of the State of North Carolina.

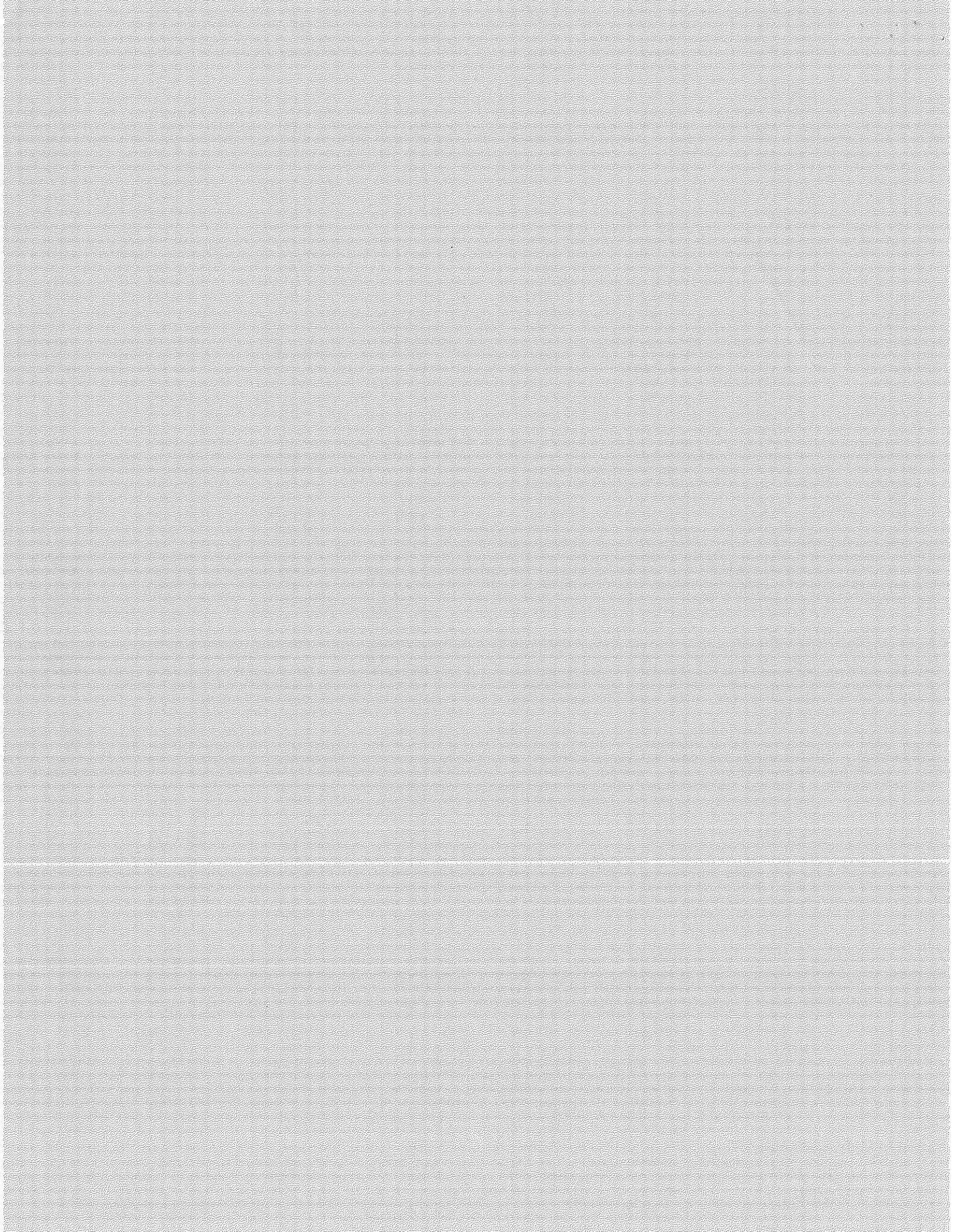
Operational Conditions – White Goods

20. The facility is permitted to receive white goods as defined in North Carolina General Statute Article 9, Chapter 130A-290(44).
21. The facility must manage white goods according to the Operation Plan included in Attachment I, Part 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.
22. White goods collection areas shall provide for the proper removal of chlorofluorocarbon refrigerants.

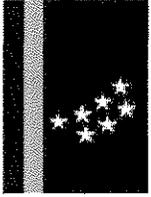
Operational Conditions – Yard Waste

23. The facility is permitted to receive yard waste as defined in North Carolina General Statutes Article 9, Chapter 130A-290 (45).
24. Yard waste collection areas shall be operated in accordance with the requirements of 15A NCAC 13B, Rule .1402(f)(6).
25. The facility must manage yard waste according to the Revised Operation Plan included in Attachment I, Part 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.

- End of Permit Conditions -



DURHAM



1 8 6 9
CITY OF MEDICINE

CITY OF DURHAM

Department of Solid Waste Management
101 CITY HALL PLAZA 27701
1833 CAMDEN AVENUE | DURHAM, NC 27704
919.560.4186 | F 919.560.4647

www.durhamnc.gov



May 22, 2009

Edward F. Mussler
Solid Waste Permitting Branch Head
NCDENR - Division of Waste Management
1646 Mail Service Center
Raleigh, NC 27699-1646

Subject: City of Durham transfer station
Facility ID # 32 -12T
Permit modification request

Dear Mr. Mussler:

Enclosed is a request to modify our existing transfer station permit. We would like to begin a recycling transfer operation on July 13, 2009 at the same location. The transfer of recycling would occur after our regular municipal solid waste operations have ceased for the day.

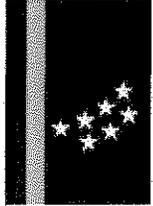
Your prompt attention to this matter would be greatly appreciated. If you need any additional information, please call me at 919-560-4186 ext 253 or on my cell at 919-452-2804. I can also be reached via email at Josephine.Valencia@DurhamNC.gov.

Sincerely,

Josephine Valencia
Disposal Manager

cc: Donald Long, Solid Waste Management Director
Chris Marriott, DENR

DURHAM



1 8 6 9
CITY OF MEDICINE

Permit Modification

City of Durham

Solid Waste Transfer Station

May 22, 2009

Solid Waste Director, Donald Long

Solid Waste Department

101 City Hall Plaza

Durham, NC 27704

919-560-4186

Facility Permit #: 32-12T

Type of facility: Solid Waste Transfer Station

Location: 2115 E Club Blvd, Durham, NC 27704

1.0 Purpose of Document

We are requesting a modification to the transfer station permit that was originally issued December 9, 1997 and last amended December 18, 2006. All portions of the existing operation plan will continue to be in effect. This document will be an appendix to the existing plan and outlines a recycling operation that will occur at the same location, after daily Municipal Solid Waste (MSW) processing has occurred.

This document also updates the emergency contact personnel for facility operations.

2.0 Recycling Operations at the Transfer Station

Proposed recycling collection

The City currently uses a contractor to collect curbside residential recycling. The City intends to cancel this contract and begin providing this service to the public directly, using City staff. The planned start date for this program is **July 13, 2009**.

City staff will collect curbside residential recycling on a regular Monday through Thursday schedule from approximately 7:00 am to 5:00 pm. Collection schedule adjustments will be made as necessary to account for holidays, peak collections, equipment breakdowns, staffing issues, and other unforeseen circumstances.

At the completion of their daily routes, City trucks full of recycling will go across the scales to be weighed. However, they will not immediately proceed to the tipping floor; instead they will be parked on City property.

Unloading recycling on the tipping floor

Regular solid waste loading into trailers for transport to a landfill will continue as currently outlined in our operational plan. Only after all MSW has been removed from the tipping floor will the City recycling trucks proceed. They will then drive to the tipping floor, back into the bays, and dump their loads onto the tipping floor. Recycling will not be accepted from private customers or during any other times at the tipping floor.

The front gate will continue to be locked at 4:30 pm to limit access to the transfer station. City recycling trucks will either enter the facility before it closes to the public, or if arriving after 4:30 pm, access the transfer station via the rear gate which is controlled by keypad access.

Recycling will be loaded into trailers in the same manner as MSW is loaded into trailers: either through the use of a compaction unit or by being pushed into an open top trailer. No recycling will remain on the tipping floor overnight.

Expected Tonnage

The City recycling contractor currently collects approximately 11,000 tons of recycling each year. As part of the City change, we are switching from 18 gallon bins to 95 gallon recycling carts. We project our overall tonnage will increase about 35%, to about 14,175 tons each year. We expect this will translate into about 55 – 65 tons each day. This is based on 18 - 20 work days each month for recycling.

Because of the lower compaction rates necessary with recycling and the low weight of many recyclable materials in comparison to their volume, we believe that 3-5 trailer loads will be required to transport the recycling.

Contaminated Loads

Loads will come from residential recycling routes. Recycling loads may contain small amounts of household garbage mixed with the recycling. After each recycling load is dumped on the floor, the loader operator will conduct a visual inspection of the load. If the garbage contamination is less than 10%, all materials will be loaded into trailers for transport to a material reclamation facility (MRF). The MRF will be responsible for sorting the garbage from the recycling as part of their normal processing system. Our agreement with the MRF contractor will have guidelines to ensure proper disposal of any contaminants.

If a load is found to contain garbage contamination in excess of 10%, the loader operator will segregate this load from the other clean recycling materials. The contaminated load will be moved to an open top trailer for storage. The next work day, this open top will be loaded with garbage from the regular solid waste operations and transported to a landfill in Virginia for disposal.

The loader operator who identified the contaminated load will make written notice of which truck the load originated from. This information will be shared with City staff the next work day, so the City knows where to concentrate their educational efforts.

End Of Modification

Revised Emergency Contacts On The Next Page

EMRGENCY CONTACT INFORMATION
City of Durham Transfer Station, Facility ID # 32-12T
2115 E Club Blvd. Durham, NC 27704
updated 5/20/2009

Responsible agency: Solid Waste Management Department
Mailing address: 101 City Hall Plaza, Durham, NC 27701
Physical address: 1833 Camden Ave, Durham, NC 27704
Main phone line: 919-560-4186

City Staff - Primary Contacts

Emergency coordinators, listed in the order they should be contacted.

Josephine Valencia, Disposal Manger email: Josephine.Valencia@durhamnc.gov
1833 Camden Ave, Durham, NC, 27704
office: 919-560-4186 ext 253 cell: 919-452-2804 home:919-484-8121

Donald Long, Director email: Donald.Long@durhamnc.gov
1833 Camden Ave, Durham, NC, 27704
office: 919-560-4186 ext 222 cell: 919-201-0258 home:919-957-0234

Robert Williams, Assistant Director email: Robert.Williams@durhamnc.gov
1833 Camden Ave, Durham, NC, 27704
office: 919-560-4186 ext 224 cell: 919-201-3483 home:919-381-4613

Operating Contractor – Primary Contacts

Dan Jarboe, Durham Terminal Manager email: dan.jarboe@mrbults.com
MBI, cell: (708) 243-7270

Rick Prather, Allied Waste email: Rick.Prather@awin.com
5111 Chin Page Rd, Durham NC, 27703
office: 919-433-0901 cell: 919-669-3696