

LCIDN34-BB Permit Myers  
LCID Landfill



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

April 28, 2004

Mr. Herb Myers  
820 Ellington Road  
Lewisville, North Carolina 27104

Re: Myers Land Clearing and Inert Debris Landfill 7775 Shallowford Road, Lewisville, Forsyth County, North Carolina. Permit No. **34-BB**

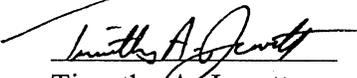
Dear Mr. Myers:

Enclosed please find a Solid Waste Permit, Conditions of the Solid Waste Permit, and a Certified Copy of the Solid Waste Permit for the above referenced Land Clearing & Inert Debris (LCID) landfill. This is a PERMIT TO CONSTRUCT & OPERATE in accordance with the approved plans and is for the **landfill only**. The LCID Treatment and Processing portion of the application is not approved at this time. The issuance of this permit does not exempt an applicant from any local ordinances that may regulate a facility and the responsibility of compliance with any applicable ordinance lies with the permit holder.

Please note Condition No. 3, which states that this permit shall not be effective unless the certified copy is filed in the Register of Deeds office and the copy is returned to the Solid Waste Section, within thirty (30) working days, from date received, with the page and book number, date of recordation, and Register's seal. Also note Condition No. 9, which requires that we hold a pre-operative meeting and that outlines the pre-operative conditions that need to be met prior to the acceptance of any LCID waste and operation. In particular, your design engineer must certify that base grades are at or above the elevations shown on the drawings after excavation is complete.

Please contact Wendy Simmons, Waste Management Specialist, when you are ready to schedule this meeting. Ms. Simmons can be reached at (336) 771-4608 ext. 208. If you have questions about your permit, please contact me at (336) 771-4608 ext. 204.

Sincerely,

  
Timothy A. Jewett  
Western Area Engineer  
Solid Waste Section

cc: Jim Coffey, SWS  
Brent Rockett, SWS  
Hugh Jernigan, SWS  
Richard Bennet, Allied Design, Inc.

Raleigh Central File: Permit No. 34-BB; Forsyth County file  
1646 Mail Service Center, Raleigh, North Carolina 27699-1646

Phone 919-733-4996 \ FAX 919-715-3605 \ Internet <http://wastenotnc.org>



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

PERMIT NUMBER: 34-BB  
DATE ISSUED: APRIL 28, 2004

**SOLID WASTE PERMIT**

Herbert G. Myers, Sr., and Marty Lee Myers

are hereby issued a permit to CONSTRUCT & OPERATE a

**LAND CLEARING AND INERT DEBRIS LANDFILL**

located at 7775 Shallowford Road (north side), between Dorse Road and Pilot View Drive, west of the Town of Lewisville, Forstyh 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 in the permit application and the site drawings.

James C. Coffey  
Section Chief  
Solid Waste Section

PERMIT NUMBER: **34-BB**

Page 2 of 4

PERMIT ISSUED: 28 APRIL 2004

FACILITY NAME: MYERS LAND CLEARING AND INERT DEBRIS (LCID) LANDFILL

CONDITIONS OF PERMIT

1. This permit is valid for a period of five years from date of issuance and shall **expire on 28 April 2009**. This permit is for the construction and operation of the **New Cell** of the landfill totaling approximately **1.6 acres**, according to the approved plans prepared by Allied Design, Inc. dated August 20, 2001 and revised April 25, 2002, June 19, 2003, and June 23, 2003. Any revisions of these approved plans must be approved by the North Carolina Solid Waste Section.
2. Amendments or revisions to the NC Solid Waste Management Rules or any violation of groundwater standards may necessitate modification of the approved plans or closure of the facility.
3. **This permit shall not be effective unless the certified copy is filed in the Register of Deeds office and indexed in the grantor index under the name of the owner of the land in the county or counties in which the land is located.** The certified copy of the permit, affixed with the Register's seal and the date, book, and page number of recording shall be returned to the Division of Solid Waste Management, within **THIRTY (30)** working days, from date received. Please send the recorded permit copy to:

SOLID WASTE SECTION  
585 WAUGHTOWN STREET  
WINSTON-SALEM, NORTH CAROLINA 27107-2241  
ATTN: TIM JEWETT

4. When this property is sold, leased, conveyed, or transferred, the deed or other instrument of transfer shall contain in the deed 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 land clearing and inert debris landfill.
5. This facility is permitted to receive land clearing waste, yard trash, untreated and unpainted wood, and inert debris such as rock, brick, concrete, concrete block, and uncontaminated soil. Waste acceptance requirements may be affected by future revisions and amendments to the NC General Statutes, or to the NC Solid Waste Management Rules.
6. Waste shall be placed a minimum of four (4) feet above the seasonal high water table.

PERMIT NUMBER: **34-BB**

Page 3 of 4

PERMIT ISSUED: 28 APRIL 2004

FACILITY NAME: MYERS LAND CLEARING AND INERT DEBRIS (LCID) LANDFILL

7. This facility shall conform to the operational requirements of the NC Solid Waste Management Rules, 15A NCAC 13B .0566, and to the operational plan required by 15A NCAC 13B .0565(4) prepared by Allied Design, Inc. dated April 2002, revised 23 June 2003.
8. This permit is not transferable.
9. The following requirements shall be met **prior** to receiving solid waste, at the site:
  - a. A site inspection and pre-operative meeting shall be conducted by a representative of the Solid Waste Section.
  - b. A sign shall be posted at the entrance as required by the NC Solid Waste Management Rules Operational Requirements, 15A NCAC 13B .0566 (16).
  - c. A certification letter, from a Registered Professional Engineer (Design Engineer typically), shall be submitted to the Section stating that the facility has been constructed in accordance with the approved plans and that facility base grades have been raised four feet above the seasonal high ground water levels shown on drawing C3 dated 20 August 2001 and revised through 19 June 2003.
  - d. Survey stakes or other **permanent** markers shall be installed to delineate the landfill limits. Only the placement of clean soil shall be allowed in the buffer zones while the LCID landfill is active.
10. Ground water quality at this facility is subject to the classification and remedial action provisions of 15 NCAC 2L.
11. An approved sedimentation and erosion control plan shall be obtained prior to the beginning of earth disturbing activities and all such activities shall be conducted in accordance with the Sedimentation Pollution Control Act of 1973 (15 NCAC 4) along with any other state, federal or local requirements.
12. Side slopes for the landfill shall 3 (horizontal) to 1 (vertical) or flatter as required by the Solid Waste Management Rules.
13. Open burning of land clearing waste is PROHIBITED.

PERMIT NUMBER: **34-BB**

Page 4 of 4

PERMIT ISSUED: 28 APRIL 2004

FACILITY NAME: MYERS LAND CLEARING AND INERT DEBRIS (LCID) LANDFILL

#### ATTACHMENTS

1. Original permit submittal document titled "Permitting and Operations Manual, Myers Land Clearing and Inert Debris Landfill, Permit No.: FC 34-90-05" dated April 2002 and prepared by Allied Design, Inc.. Original submittal documents include the application narrative, Zoning Approval (dated 8 November 2001), design drawings, and site Operations Plan.
2. Revision to the original permit application submitted by Allied Design, Inc. dated 23 June 2003 including revised drawings C1, C2, C3, and C4 and a revised Section IV (Operations Plan) of the "Permitting and Operations Manual."
3. Letter dated 15 September 2003 from Allied Design Inc. with an attached letter from Soil Scientist, Richard Ferris, addressing evaluation of depth to groundwater.
4. Phase 1A Closure Plan Drawing (Dwg C5), submitted by Allied Design, Inc. and dated 25 September 2003, received 26 September 2003.
5. Building Permit from the Winston-Salem/Forsyth County Inspections Division dated 20 February 2004 submitted via Letter of Transmittal from Allied Design, Inc.. Received 18 March 2004.
6. Fax dated 23 April 2004 from Allied Design, Inc. showing application for a Watershed Protection Permit and Sediment and Erosion Control Plan approval from the Winston-Salem/Forsyth County Inspections Division (NC Div. of Land Quality delegated program). Approvals dependent upon issuance of NCDENR permit.



## IV. OPERATIONAL PLAN

### A. Name and Address

Mr. Herbert G. Myers  
820 Ellington Drive  
Lewisville, North Carolina 27104  
(336) 765-2362 (LCID Site)  
(336) 407-1010 (Mobile)

**APPROVED**  
DIVISION OF WASTE MANAGEMENT  
SOLID WASTE SECTION  
DATE 6/10/2004 BY JAG  
PERMIT # 34-BB  
CENTRAL FILE COPY  
(ALSO Refer to related file 34-18-TP LCID T&P)

### B. Project Land Use After Closure

The proposed land use after closure of the LCID will include a mix of residential and agricultural uses. If future zoning classifications permit, the property may realize commercial development.

The Owner/Operator currently operates a "Processing and Treatment Facility" on the site for recycling of materials received. The property will be continually used for processing and treatment as allowed by the local ordinance even after the fill areas are completely utilized.

The front portion of the property and the areas characterized by more desirable topography have been potentially identified for single-family residential development. The remaining portions of the property will be utilized for grass pastures and/or may be reforested.

If the zoning classifications in the area are revised to designations that allow commercial or higher intensity development, the property owner may investigate alternate development scenarios.

### C. Operational Plan<sup>1</sup>

1. The facility shall only accept those solid wastes that it is permitted to receive.
2. Solid waste shall be restricted to the smallest area feasible and compacted as densely as practical into cells.
3. Adequate soil cover shall be applied monthly, or when the active area reaches one acre in size, whichever occurs first.
4. 120 calendar days after completion of any phase of disposal operations, or upon revocation of a permit, the disposal area shall be covered with a minimum of one foot of suitable soil cover sloped to allow surface water runoff in a controlled manner. The Division may require further action in order to correct any condition

<sup>1</sup> North Carolina Administrative Code, NCAC 13B.0566

which is or may become injurious to the public health, or a nuisance to the community.

5. Adequate erosion control measures, structures, or devices shall be utilized to prevent silt from leaving the site and to prevent excessive on site erosion.
6. Provisions for a ground cover sufficient to restrain erosion must be accomplished within 30 working days or 120 calendar days upon completion of any phase of landfill development.
7. The facility shall be adequately secured by means of gates, chains, berms, fences, etc. to prevent unauthorized access except when an operator is on duty. An attendant shall be on duty at all times while the landfill is open for public use to assure compliance with operational requirements and to prevent acceptance of unauthorized wastes.
8. Access roads shall be of all-weather construction and properly maintained.
9. Surface water shall be diverted from the working face and shall not be impounded over waste.
10. Solid waste shall not be disposed of in water.
11. Open burning of solid waste is prohibited.
12. The concentration of explosive gases generated by the facility shall not exceed:
  - a. Twenty-five percent of the lower explosive limit for the gases in facility structures.
  - b. The lower explosive limit for the gases at the property boundary.
13. Leachate shall be properly managed on site through the use of current best management practices.
14. Should the Division deem it necessary, ground water or surface water monitoring, or both, may be required as provided for under Rules .0601 and .0602.
15. A sign shall be posted at the facility entrance showing the contact name and number in case of an emergency and the permit number. The permit number requirement is not applicable for facilities not requiring an individual permit.

D. Site Specific Operational Plan

1. Vehicles entering the site for LCID material disposition will be met by on-site employees/personnel. Staff will inspect to the extent possible the material content of the load. Vehicles loaded with material not acceptable for disposal in an LCID will be immediately turned around and not allowed to dump. Staff will estimate the volume of material to be received and make a record of the volume and type of material. Materials that will be accepted are specified in Section E below. Estimated waste stream volumes for the materials to be received in Section F below.
2. Materials deemed acceptable will be directed on-site to the general vicinity of the proper disposal or stockpile areas. Unsuitable materials that were not originally detected will be immediately reloaded on the truck. If during later screening operations, unsuitable materials are discovered, these items will be stockpiled in a suitable area on-site for later disposal in an approved sanitary landfill (most likely Hanes Mill Landfill). Unsuitable materials will be removed as the volume accumulates to a truckload capacity (approximately 6 cubic yards) or no less than annually.
3. Dumped materials that are not immediately processed will be stockpiled in designated areas. Materials will be processed prior to volumes exceeding 100 cubic yards or no less frequently than every two weeks.
4. Surface water will be directed via permanent and/or temporary ditches and swales to the necessary erosion control measures to prevent water from ponding and softening of work areas.
5. Asphalt, brick and concrete materials will be screened, sorted and stockpiled on site for processing and recycling. Excessive quantities will be landfilled at the appropriate time and as operations permit. Quantities and materials suitable for use as beneficial fill will be resold or removed from the site as the market determines.
6. Wooded materials brought on-site will be screened and separated. Materials will be processed to remove excessive soil materials. Logs and large limbs suitable for saw milling operations will be stored on-site in designated areas. These materials will be sold or removed from the site as market determines. Large stumps will be reduced in size suitable for grinding. Limbs and other wood debris will be ground on-site as well. Wood products will be processed, ground, composted and stored on-site to produce a viable and marketable mulch product. Mulch products will be made available for sale to the public.
7. Soil materials removed from the waste stream process will be stockpiled on-site and utilized for final covers. Final covers over fill areas will be provided as the

landfill volumes near the proposed finished grades. Temporary soil covers may be applied to active fill areas that remain inactive over four months.

8. The Operator will maintain appropriate equipment on-site to process and handle the waste products. Equipment will be of sufficient size and capacity to move, process and dispose of received materials.
9. Appropriate measure shall be taken to control flies, rodents and other insects and vermin on-site. This may include use of insecticides, traps and other measures.
10. The facility staff will perform routine inspections of the grounds and surrounding areas to collect and dispose of windblown materials from the site.
11. The Operator will provide sufficient means for dust control from the site. This may include watering and temporary ground covers. Necessary provisions will be in place to remove mud and sediment that may be transported from the site.

#### E. Acceptable Waste Stream

As defined by the North Carolina Solid Waste Section, "Land clearing debris is defined in the rules as waste that is generated solely through land clearing activities such as stumps, trees, limbs, brush, grass, and other naturally occurring vegetative matter.

A land clearing-inert debris landfill is defined in the rules as a facility for the land disposal of land clearing waste, concrete, brick, concrete block, uncontaminated soil, gravel and rock, untreated and unpainted wood, and yard trash.

Yard trash is defined as solid waste resulting from landscaping and yard maintenance such as grass, tree limbs, and similar material."

In accordance with these guidelines, only materials allowed under the rules will be received in the facility. These materials include, but are not limited to: stumps, logs, brush, limbs and other naturally occurring vegetative matter; unpainted concrete, concrete block, gravel, rock and unpainted asphalt; and unpainted and untreated wood and lumber.

F. Estimated Waste Stream Volume

It is estimated that approximately 10 to 12 truckloads of material are received daily with an average truck volume of six to eight cubic yards each. This equates to approximately 25,000 cubic yards of waste materials that are received and processed at the facility annually. This amount is broken down into the following estimated volumes:

Waste Stream Material (Estimated Annual Volumes)	Received		Recycled	
	%	Volume	%	Volume
1. Asphalt, Brick, Concrete	15%	3,750	6%	1,500
2. Saw Logs	8%	2,000	6%	1,500
3. Limbs, Brush, Stumps, Wood & Other Wood Materials	77%	19,250	50%	12,500
4. Unacceptable Materials	1%	50	NA	
<b>TOTAL</b>	<b>100%</b>	<b>25,000</b>	<b>62%</b>	<b>15,500</b>

The wood materials in the waste stream are ground into a mulch product. The volume of wood product is estimated to be reduced to one-third of its original volume. Based on the estimated 56% of the waste stream volume, or 14,000 cubic yards that are ground into mulch, the facility must be able to process and store approximately 4,700 cubic yards of mulch product.

G. Available Landfill Volume

Proposed finished cover contours are indicated on the Overall Site Plan, Sheet C1. This plan indicates proposed final grades over the future fill area on the north side of the creek. The available fill volumes for the new cell was computed utilizing earthwork computation software and an assumed cover of 12-inches. The available volume or landfill capacity is summarized as follows:

Landfill Area	Available Volume (cubic yards)
1. Proposed Cell South of Creek	60,000
<b>TOTAL</b>	<b>60,000</b>

H. Capacity Calculations

Based on the estimated waste stream volumes received and recycled as indicated in the table above in Section F, the total annual landfilled volume would be approximately 9,500 cubic yards of truck volume or 3,200 yards of reduced volume. The total available capacity for bury is approximately 60,000 cubic yards. Based on these volumes the Myers LCID would have a projected life span of over eighteen years.

Upon closure of the active fill area on the north end of the site, this area will be utilized to process the wood material (brush, logs and stumps). Mulch will be processed and ground in the areas indicated on the operations plan. Mulch will be stockpiled in windrows in the areas and in the general arrangement as also illustrated on the plan.

Based on the configuration as depicted, there will be approximately 3,100 linear feet of mulch stockpile windrows. The volume of the windrows was based on geometry of 1:1 side slopes, a base width of twenty feet and a height of 10 feet. The available volume per foot would be 3.7 square yards per linear foot or a total volume of 11,480 cubic yards.

This will provide more than twice the area as required to completely store the volume of mulch product produced in a year as determined in Section F above.

#### I. Emergency Management Plan

In the event of fire or accidents on-site during normal operating hours, the Operator or employee(s) on-site will make emergency contact through the Forsyth County 911 system who will dispatch the appropriate emergency unit(s). The Lewisville Fire Department is located approximately 2 miles from the site. *(See attached letter from Lewisville Volunteer Fire Department regarding response.)*

The operator maintains equipment on-site with capabilities of turning mulch piles and removing combustible materials from a fire. The Owner/Operator maintains a fire pumper truck on-site to assist in emergency management and fire control.

In the event of fire on-site during non-operating hours, persons observing the incident should be able to contact the Owner/Operator from the contact information provided on the front gate. The Owner/Operator will contact the 911 system and respond to the site. Persons observing an incident could also contact 911.

#### J. Equipment List

The Owner/Operator currently maintains the following equipment on-site:

1. 1-Grinder
2. 3-Track Loader
3. 1-Track Excavator
4. 2-Tandem Axle Dump Trucks
5. 1-Fire Pumper Truck

In the event of equipment failure, the Owner has arrangements with various local contractors to borrow equipment. Leasing options are also available to provide solutions for equipment replacement.

**K. Annual Notification**

The Annual Notification will be received from the Raleigh NCDENR office. The Owner/Operator will complete the form and return the completed form to the Division of Waste Management. Copies of the notification will be kept on file as required by the rules.



SOLID WASTE SECTION  
FACILITY DATABASE TRACKING FORM

Facility ID number: \_\_\_\_\_  
Date entered: \_\_\_\_\_

Circle One: Add New Facility      Edit Existing Facility      Add C&D Unit  
SW SITES TABLE

PERMIT NUM: (10) 34-BB  
SITE NAME: (40) MYERS LCID LANDFILL  
SITE ADDRESS: (30) 7775 SHALLOWFORD ROAD  
SITE CITY: (25) LEWISVILLE      COUNTY: FORSYTH

FACILITY TYPE TABLE

FACILITY TYPE: (circle one) MSWLF  
CDLF  
INCIN-M (Medical Waste)  
INCIN-I (Industrial Incinerator)  
INCIN (MSW Incinerator)  
INDUSTRIAL  
TRANSFER  
MWP (This is same as MRF)  
TP (Note: a C&D MRF should be treated as a MWP Facility)  
COMPOST  
LCID  
TIRELF  
TIRETP  
HHW

FACILITY INFO TABLE

STATUS: OPEN      CLOSED  
LINED: YES      NO  
PUB/PRIV: PUBLIC      PRIVATE  
REGIONAL: YES      NO  
IF REGIONAL, LIST COUNTIES \_\_\_\_\_

APPLICANT TABLE

APPLICANT NAME: (25) HERBERT G. MYERS, SR.  
APPLICANT TITLE: (30) OWNER / OPERATOR  
APPLICANT ROAD: (30) 820 ELLINGTON DRIVE  
APPLICANT CITY: (20) LEWISVILLE      STATE: (2) NC      ZIP: (10) 27104  
APPLICANT PHONE: (336) 765-2362      APPLICANT FAX: NONE  
CONTACT NAME: (25) HERB MYERS  
CONTACT TITLE: (30) SAME  
CONTACT ROAD: (30) \_\_\_\_\_  
CONTACT CITY: (20) \_\_\_\_\_      STATE: (2) \_\_\_\_\_      ZIP: (10) \_\_\_\_\_  
CONTACT PHONE: (336) 407-1010      CONTACT FAX: NONE  
OPERATOR NAME: (25) HERB MYERS  
OPERATOR TITLE: (30) OPERATOR  
OPERATOR ROAD: (30) 7775 SHALLOWFORD RD  
OPERATOR CITY: (20) LEWISVILLE      STATE: (2) NC      ZIP: (10) 27104  
Signature: Timothy A. Jewett      Date completed 4/28/2004