

OPERATING PROCEDURES:

EARTHWORK EQUIPMENT ON SITE;

1. Dozer D68
2. Dozer D8C
3. Pan 615C, self loading.
4. Track Hoe Catapilar 325, can dig to 20 ft. depth.
5. Pump, Gas driven, 35 Hp., 300 gpm., as requested by Huntersville Volunteer Fire Dept.
6. Pump, Electric, 3 Hp., 120 gpm., as requested by Huntersville Volunteer Fire Dept.

1. PLANS, PERMITS AND REPORTS:

- a. Latest approved plans, spec's. and Studies are on file at the Landfill Office.
- b. Well monitor reports are on file in office and are sent to DEHNR, Mooresville Office.

2. SPREADING AND COMPACTION:

- a. Waste is placed in about 4 ft. thick layers and in area sequence shown on "Plan of Development Phases", attached.
- b. Waste is compacted as densely as practical in 4 ft. cells.

3. SOIL COVER:

- a. Waste shall be covered at least weekly with 6 inch minimum layers. Actually some material is covered almost daily due to current intake rate.
- b. Areas not receiving additional waste for 12 months will be covered with 12 inches of soil and grassed.
- c. After final termination of disposal for a portion of site or final portion of a site, cover with at least 2 ft. of suitable compacted earth in the following manner:
  - (1) Retain a Soils Testing Lab. supervised by an Engineer registered in N.C. and have this Lab. perform these functions:
    - (a) Perform a compaction test on soils to be used for final 2 ft. cover for data to make periodic compaction tests as final cover is placed.
    - (b) As final cover is placed on a portion of the landfill (exterior slopes); have the Lab. make compaction tests before grassing.
    - (c) Have copies of compaction tests stored by the Lab. and furnished to Landfill. Have Lab. keep a Permanent Record Map of locations of all tests and periodically, as requested, furnish copy of map to Landfill for distribution.



- d. Cap System (Ref. sect. .1627 para. (c) (1 A - C)
  - (A) See Exhibit "B" attached for soil permeability of soil to be used for cap system.
  - (B) Closure Barrier soil shall be at least 18 inches thick and compacted and installed as per para. 3c. above.
  - (C) Have an erosion layer of 6 inches of material capable of sustaining native plant growth added to 18 inch, d.(B) above.
- e. Seed completed closure barrier area with lespedeza.

4. EROSION CONTROL:

- a. Install drainage ditches, conduit and catch basins at each bench level. See drawings, attached.
- b. Grass all slopes and benches.
- c. Clean out sedimentation basins after each rain.
- d. Clean out drainage ditches from sediment basins to to of drainage area after each rain.
- e. Maintain gravel access road ditches and sediment traps after each rain.
- f. Repair eroded areas after each rain and re-seed.

5. DRAINAGE CONTROL:

- a. Divert surface water from the landfill area in perimeter drainage ditches.
- b. No surface water shall be impounded within the landfill area.
- c. All surface water runoff within the landfill area must be routed by ditches and conduit to one of the sediment basins. Surfaces of active landfill areas shall be adequately sloped to provide for drainage at all times.

6. VEGETATION OF DISTURBED AREAS:

- a. Vegetate all exterior slopes as they are completed and after 2 ft. fill is installed, with lespedeza as approved in permit.
- b. Within six months after final termination of disposal operations at the site or a major part thereof or upon revocation of a permit, the area shall be stabilized with native grasses.
- c. Use temporary seeding to stabilize washout areas and erosion on all exterior slopes.

7. WATER PROTECTION:

- a. A separation distance of four feet between waste and water table shall be maintained.
- b. Solid waste shall not be disposed of in water.
- c. Leachate shall be contained on site or properly treated prior to discharge to surface waters.



8. ACCESS AND SECURITY:

- a. Site security shall be maintained by locking existing gates when some staff member is not on site.
- b. The attendant shall be on duty at the site at all times landfill is open to the public to ensure compliance with approved operational requirements.
- c. Signs shall be posted at appropriate locations stating that no hazardous or liquid waste will be accepted.
- d. Traffic signs shall be posted to provide orderly traffic patterns to and from discharge areas.

9. SINAGE:

- a. Directional Signs on Hwy. 115 at Holbrooks Rd. shall be maintained at all times landfill is in operation.
- b. Existing Landfill entrance Sign providing information on hours of operation, dumping procedures, Permit Number and other instructions, shall be maintained at all times.
- c. Signs shall be posted at appropriate locations stating that no hazardous or liquid waste will be accepted at the landfill.
- d. Traffic signs shall be posted to provide orderly traffic patterns to and from discharge areas.

10. SAFETY REQUIREMENTS:

- a. Huntersville Volunteer Dept. will service the landfill.  
This VFD requested electrical driven pumps be installed at Sediment Basin No. 1 to boost water to their pumpers. This VFD will be called to fight all fires with foam or as they see fit. The VFD is well trained and can call for support from Mecklenburg or Charlotte Fire fighting departments. Pumps are not to be used to boost water to fight fires using water.
- b. The two booster pumps also are used for a spray irrigation system to prevent dust along access road outside landfill area.
- c. Fires that occur in the landfill area should be immediately reported to Fire Dept. and Mecklenburg Co. and DEHNR, Mooresville. See attached Exhibit "A".
- d. Removal of solid waste from the landfill site is not permitted unless Owner/Operator approves and removal is not from the working face of the landfill.
- e. Barrels and drums shall not be disposed of unless they are empty and perforated sufficiently to ensure that no liquid or hazardous waste is contained therein.
- f. Personnel or Visitor Injuries shall be handled as detailed on Exhibit "A", attached.



- g. Opeator Training for the four on site landfill employees is on an individual on-site basis. The four employees have up to 8 years on site experience. The Landfill Manager has 2 years experience at this lanfill. One employee has been with this landfill for 8 years. The other two have over a years experience and were trained at this site. There have been no injuries requiring medical treatment at this landfill since 1988.

11. WASTE ACCEPTANCE AND DISPOSAL:

- a. The Landfill shall only accept those solid wastes which it is permitted to recieve. The landfill Operator shall notify DEHNR, Solid Waste Div. within 24 hours of attempted disposal any waste the landfill is not permitted to receive, including waste from outside the area the lanfill is permitted to serve.
- b. No hazardous or liquid waste shall be accepted or disposed of in the landfill.
- c. Wastewater treatment sludges may not be accepted.

12. ANTICIPATED LIFETIME AND PROJECT USAGE AFTER COMPLETION:

- a. Anticipated lifetime of landfill:  
average daily intake = 1500 CY/day.  
average operation of 5 days/week.  
total calculated volume in last phase = 842,510. CY

$$\text{Life of landfill} = \frac{842,510. \text{ cy}}{1500 \text{ cy/day} \times 5 \text{ day/wk.} \times 52 \text{ wk/yr.}} = 2.16 \text{ yrs.}$$

- b. Project usage of landfill after completion:  
As pasture for grazing cattle and horses.

13. MONITORING OF EXPLOSIVE GASES:

- a. Mecklenburg County EPD currently monitors at least monthly; however, if not monitored by County, Landfill will purchase equipment to monitor, keep and furnish records of monitoring program.

14. MISCELLANEOUS REQUIREMENTS:

- a. Appropriate methods such as fencing and diking shall be provided to confine solid waste subject to be blown by wind. At the conclusion of each day of operation, all windblown material resulting from the operation shall be collected and returned to the area by the Operator.



I N C A S E O F F I R E

1. CALL IN FIRE TO HUNTERSVILLE VOLUNTEER FIRE DEPARTMENT

PHONE: 911 OR 336-3333.

2. USE HAND HELD FIRE EXTINGUISHER TO FIGHT FIRE UNTIL  
FIRE DEPARTMENT ARRIVES.
3. COVER FIRE WITH SOIL TO SMOTHER OUT, IF POSSIBLE.
4. MONITOR AREA OF FIRE FOR 24 HOURS.

LANDFILL OFFICE

5. REPORT FIRE TO DEHNR, MOORESVILLE AND MECKLENBURG  
COUNTY EPD WITHIN 24 HOURS.
6. SUBMIT WRITTEN REPORT TO DEHNR, MOORESVILLE AND MECKLENBURG  
COUNTY EPD WITHIN 15 DAYS.

I N C A S E O F P E R S O N N E L I N J U R Y

1. IF MEDIC AND AMBULANCE SERVICE IS NEEDED, CALL 911.
2. FOR OTHER LESS SEVERE INJURIES TAKE EMPLOYEE TO  
NALLE CLINIC IN CHARLOTTE. EMPLOYEES ARE COVERED BY  
WORKMANS COMPENSATION AND INSURANCE.
3. IF INJURED IS A VISITOR CALL 911 FOR MEDIC IF NEEDED,  
AND NOTIFY INDIVIDUALS OFFICE.
4. FILE REPORT WITH OFFICE OF OCCUPATIONAL HEALTH AND SAFETY  
IF AND WHEN REQUIRED.
5. REQUIRED SAFETY EQUIPMENT IS ON PROJECT AND LANDFILL  
CONSTRUCTION EQUIPMENT.

NORTH MECKLENBURG LANDFILL

LARRY A. GRIFFIN, PRESIDENT.