

April 16, 2014

Ms. Andrea Keller
NCDENR
Asheville Regional Office
DWM - Solid Waste Section
2090 U.S. 70 Highway
Swannanoa, NC 28778

Delivery VIA, E-Mail April 16, 2014

Re: Debris Management Plan for Isaac Dickson Elementary School

Dear Ms. Keller,

I have prepared the attached "Debris Management Plan" for the Isaac Dickson Elementary School, Asheville, NC, dated April 15, 2014. On behalf of Asheville City Board of Education I am submitting this plan to you for information only concerning how the contractor will screen, segregate, and dispose of the buried debris. The contractor will be keeping records of the amount of materials by category and where the materials have been sent for disposal.

The screening operation should be completed with about thirty days. If you or others with DWM would like to visit the site, please contact me at least three business days in advance so that I can arrange to meet you for your visit.

If you have any questions, please free to contact me.

Sincerely,
Landis, PLLC



Barrett L. Kays, Ph.D.
Soil, Hydrologic, and Groundwater Scientist
blkays@aol.com
Direct 919-696-6930

Debris Management Plan for Isaac Dickson Elementary School,

Asheville, NC

Recommended Steps to Manage the Buried Debris Encountered During the Construction of the New Elementary School

April 16, 2014

Recently the grading contractor has encountered buried debris in a portion of the site. The grading contractor has excavated both demolition debris and soil materials that are not suitable for compaction under various facilities to be constructed for the new school. The subcontractor has been segregating the various types of material and intends to bring screening equipment to the site to further segregate the materials. This plan has been prepared to provide guidance to the grading contractor.

It has been determined that the 1950-circular demolition debris does not meet the definition and therefore any of the requirements of a "Pre-1983 Landfill" or "Pre-Regulatory Landfill". Therefore, the inert materials that have been or will be excavated can be reused as beneficial fill material on the site.

1. Inert Debris

Topsoil, unsuitable compaction soils, sand, and gravel will be screen to remove stones, bricks, concrete, asphalt and other larger inert debris¹ fragments. All of the soil, sand, gravel, stones, bricks, concrete, concrete blocks, and asphalt are considered to be inert materials. Painted bricks and painted concrete blocks will need to be separated and sent to a sanitary landfill, since the paint is presumed to be lead based due to the age of the debris. All other inert materials should be segregate to the extent that it is needed for fill material based upon soil compaction needed for construction. The larger inert debris can be layered into areas of fill as needed for construction.

15A NCAC 13B .0562 Beneficial Fill covers the requirements for use of inert debris for site fill without a permit. It can only apply to inert debris. The fill activity should only be used in areas of needed fill and involves no excavation of fill areas other than is required for construction purposes. The propose fill is to improve the land use potential. The fill

¹ Inert debris – "means solid waste which consists solely of material that is virtually inert and that is likely to retain its physical and chemical structure under expected conditions of disposal." Inert debris consists of soil, sand, gravel, stones, asphalt, unpainted bricks, unpainted concrete blocks, and concrete.

activity must comply with sedimentation and erosion control, wetland, and flood plain regulations.

The cleaner topsoil and unsuitable compaction soil can be used for surface fill in areas of the site to be planted. However, wet and anaerobic soils should be spread on the surface and allowed to dry and aerate for several weeks before planting.

Very small fragments of other materials such as wood, metal, etc. that cannot be removed by the screening equipment can be allowed in inert site fill. The inert debris may contain small amounts of paint and sealants associated with the inert debris.

2. Scrap Metal, Whole Scrap Tires & Other Recyclables

Scrap metal and white goods² will need to be segregated and sent to an approved metal recycling facility. Whole scrap tires and other recyclables will need to be sent to the Buncombe County Recycling Solid Waste Facility, 81 Panther Branch Road. Other items required to be recycled are listed on the attached list.

3. Miscellaneous Debris

Carpet and paper should be sent to the Buncombe County Solid Waste Landfill Facility, 81 Panther Branch Road. Consult the attachments regarding any other miscellaneous debris encountered.

4. Wood Debris

All types of wood including roots, limbs, trees, and lumber should be segregated. Painted wood should be sent to a sanitary landfill, since the paint is presumed to be lead based due to the age of the debris. All other wood should be either sent to an approved recycling facility or chipped/shredded and reused for landscape mulch or mixed with surface soils (mix about 3 to 4 inch layer in upper 12 inches of the surface soils by tillage; this can be done during the tillage work that is part of the landscaping work).

5. Extent of Debris Work

The extent of the removal of existing 1950-circular debris should be based upon good construction practices. The excavation should be limited in depth and area to what is needed for construction of the new school facilities. Deeper debris will not need to be removed unless it is needed for adequate compaction for the construction. A geotechnical fabric can be used to cover and bridge backfill over certain areas of debris.

² "White goods include refrigerators, ranges, water heaters, freezers, unit air conditioners, washing machines, dishwashers, clothes dryers, and other similar domestic and commercial large appliances.

6. Regulatory Permits

The site filling of inert debris is not considered a landfill and does not require any state permit as long as the work is completed consistent with the requirements for beneficial fill. The untreated wood debris can be chipped or shredded for mulch without any permit. The debris needing to be recycled can be sent to an approved recycling facility without a permit. The debris needing to be landfilled can be sent to an approved sanitary landfill facility without a permit.

7. Survey

The areas of debris that will not be excavated should be surveyed by the project surveyor and a recordable map prepared showing the remaining areas of debris. The recorded survey should indicate that "this map depicts the boundary of solid waste that was buried on the property in approximately the year 1950 and consists of debris from the demolition of the old Hill Street School".

8. Questions

Any questions or comments should be addressed to Dr. Barrett L. Kays, Soil, Hydrologic, and Groundwater Scientist, Landis, PLLC, Raleigh, NC. E-Mail at blkays@aol.com or direct phone 919-696-6930.

15A NCAC 13B .0562 BENEFICIAL FILL

A permit is not required for beneficial fill activity that meets all of the following conditions:

- (1) The fill material consists only of inert debris strictly limited to concrete, brick, concrete block, uncontaminated soil, rock, and gravel.
- (2) The fill activity involves no excavation.
- (3) The purpose of the fill activity is to improve land use potential or other approved beneficial reuses.
- (4) The fill activity is not exempt from, and must comply with, all other applicable Federal, State, and Local laws, ordinances, rules, and regulations, including but not limited to zoning restrictions, flood plain restrictions, wetland restrictions, mining regulations, sedimentation and erosion control regulations. Fill activity shall not contravene groundwater standards.

*History Note: Authority G.S. 130A-294;
Eff. January 4, 1993.*



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RECYCLING SOLID WASTE

The following materials are accepted at the Buncombe County Solid Waste Management Facility's Convenience Center at no charge:

- oil filters
- lead acid batteries
- newspaper, magazines, office paper & mixed paper
- corrugated cardboard
- blue bags or co-mingled recyclables including:
 - **Metal Cans** -Aluminum, Steel, Tin, EMPTY Aerosol cans (If the cans are not empty, they are considered a household hazardous waste (HHW) and needs to be brought to the landfill during HHW collection every Friday, except holidays, from 9am - 3pm.
 - **Plastic** - All Bottles, Jugs, and Containers #1 - #7 (EX: plastic yogurt containers, margarine tubs, plastic take out containers (i.e. clam shells)
 - **Glass** - Bottles and Jars (clear, brown, green)
 - **Aluminum** - Pie Tins, Food Trays
 - **Paper Cartons** - Milk & Juice Cartons and Juice Boxes
 - **Newspapers** and inserts
 - **Mixed Paper** - Catalogs, Junk mail, Magazines, Cereal boxes, Egg cartons (paper), Envelopes, Manila envelopes, Office paper, Paper, Phone books, Glossy paper, Post-It-Notes, Brown paper bags, Paper towel rolls, Shredded paper (place in paper bag with top rolled down)
- motor oils
- cooking oil
- tires - Residents may recycle 10 tires without rims at no charge. After that, tires may be recycled at \$2 per tire. All tires on rims (even the first 10) are \$2 per tire.

and white goods including:

- stoves
- refrigerators
- air conditioners
- freezers
- and all metals

Note: Buncombe County Landfill does not accept non-infectious medical waste.

Wood pallets MUST now be recycled, they will continue to be accepted at the landfill for \$20/ton, and will be ground up into mulch.

Solid Waste Management Facility	
Phone	(828) 250-5462
Address	85 Panther Branch Road Alexander, NC 28701
Hours of Operation	Monday through Friday 8:00 a.m. to 4:30 p.m. Saturdays 8:00 a.m. to 1:00 p.m.

Select Language ▼

CONTACT

Jerry Mears
Solid Waste Recycling
p. (828) 250-5460 or 5462

Address
81 Panther Branch Road
Alexander, NC 28701

Hours of Operation
Monday through Friday
8:00 a.m. to 4:30 p.m.



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LANDFILL

The Landfill's mission is to protect the health and safety of all citizens by disposing of all waste generated in Buncombe County in the most efficient, cost effective and environmentally sound manner possible.

- Wood waste disposal
- White goods recycling
- Construction and demolition debris disposal
- Residential, commercial, and industrial solid waste disposal
- Household hazardous waste disposal/recycling (periodically)
- Motor oil and battery recycling
- Pesticide container recycling
- Electronics recycling days
- Recycling convenience center

For information concerning the EPA Bioreactor Project, please visit buncombebioreactor.com

Solid Waste Rates for Citizens

- 33-gallon bags of household waste with recyclables removed: \$1.00 per bag
- Pick-up trucks, vans or small trailers: \$47.00 per ton at Transfer Station - \$12.00 Minimum, \$43.00 per ton at Landfill - \$10.00 Minimum
- Recyclables in blue bags: No Charge
- Newspapers, cardboard, or magazines prepared for disposal in accordance with the Solid Waste Department Policies: No Charge
- Household Hazardous Waste is accepted for \$2 per gallon for paint-related material, such as paint thinner, kerosene, gasoline and paint. Other materials, such as lawn and garden chemicals, are accepted from Buncombe County residents, at no charge.
- Electronics recycling: No Charge. Maximum of three (3) TVs and computers per month. Additional \$8 per TV or computer monitor over the initial \$10 for large console TV.
- Residents may recycle 10 tires without rims at no charge. After that, tires may be recycled at \$2 per tire. All tires on rims (even the first 10) are \$2 per tire.
- Untreated wood, limbs, yard wastes, etc. suitable for mulching: \$20.00 per ton
- Farm Animals: \$50.00
- 2 bags for \$1.00; leaves must be in bags and separated from wood and other yard waste

Solid Waste Rates for Commercial & Franchised Haulers

- All trucks, roll-offs, or flat bed (compacted or otherwise) of solid wastes which contain less than 5% by weight or volume, any of the following wastes: corrugated cardboard, untreated wood products suitable for mulching, concrete, cinder blocks, brick, concrete with steel or any type metals will pay \$47.00 Per Ton at the Transfer Station & \$43.00 Per Ton at the Landfill.
- First violation above the 5% limit: \$86.00 per ton
- Second violation or any subsequent violation occurring within 6 months of the first violation: \$129 per ton
- Untreated wood, limbs, yard wastes or other materials suitable for mulching: \$20.00 per ton
- Semi-liquid non-hazardous food waste: \$20.00 per ton
- Friable asbestos: \$100.00 per ton, \$100 minimum
- Tires accepted with original scrap tire certification form only: No Charge
- Tires without form: \$2.00 per tire
- Electronics recycling (limit 5 units): \$0.30 per pound. Businesses with large quantities of electronics must call for prior approval by dialing 250-5462.

Household Hazardous Waste & Electronics Disposal

Buncombe County accepts household hazardous waste (HHW) and electronics every Friday between 9 a.m. and 3 p.m. at a special drop-off area at the Landfill. (Excluding Fridays around a holiday)

Select Language ▼

CONTACT

Jerry Mears
Landfill Manager
p. (828) 250-5462

Address
81 Panther Branch Road
Alexander, NC 28701

Hours of Operation
Monday through Friday
8:00 a.m. - 4:30 p.m.
loads requiring more than 30 minutes to unload must be in the landfill by 4:00 p.m.

Saturday
8:00 a.m. - 12:30 p.m.
loads requiring more than 30 minutes to unload must be in the landfill by 12:00 p.m.

WastePro
www.wasteprousa.com
(828) 684-7790

HHW is closed on Fridays around a holiday, please call the landfill ahead of time at 250-5462 if there is a holiday coming up and you want to know if it will be open or not.

Each week, we accept electronics from residents at no charge. Businesses will also be able to drop off electronics, but they will be charged a fee of 30 cents per pound.

The following items must be separated out of loads and brought to the electronics recycling area:

- Computers (monitors, CPU's, keyboards)
- Calculators
- Copiers
- Fax Machines
- VCR's & DVD Players
- Telephones
- Stereos
- Televisions
- Cell Phones
- Video cameras

Household Hazardous Waste is also accepted on Fridays:

- Paint and paint related items such as water sealer, paint thinners, enamels, polyurethane, and flammable liquids (such as gas and kerosene) will be charged at \$2.00 per gallon. (20 gallon limit per week.)
- There is no charge for pesticides, herbicides, insecticides, motor oil, antifreeze and lead acid batteries.
- No hazardous wastes from businesses will be accepted.
- Bio-Hazardous materials, radioactive materials and explosives are NOT accepted at any time.

Recycling Price List

Television and electronics can be recycled at the landfill on Fridays from 9:00 a.m. to 3:00 p.m. during the Household Hazardous Waste (HHW) program.

For household quantities from residents of the county:

Waste Type	Maximum Amount	Price
Plastic Television	3 free/week, every TV after is	\$8.00 each
Wood Console Television	3 free/week, every TV after is	\$10.00 each
Broken/Stripped Television	Flat rate per TV	\$20.00 each
Computers/electronics	3 entire computer units free/week, then	\$0.30/pound

Businesses are permitted to recycle televisions and computer equipment at the landfill's HHW

The following fees apply for businesses:

Waste Type	Maximum Amount	Price
Plastic Television	20 per month	\$8.00 each
Wood Console Television	20 per month	\$10.00 each
Broken/Stripped Television	Flat rate per TV	\$20.00 each
Computers/electronics	3 entire computer units free/week, then	\$0.30/pound

Directions to the Landfill

[\[Download a map\]](#)

- From I-240, take 19/23 North and then take the UNC-A University exit.
- Turn left at the stop sign and go through the red light onto Riverside Drive.
- Go 10 miles north then turn right on Panther Branch Road. The landfill will be on the right.
- The new landfill is six miles north of the old landfill.



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