

North Carolina  
Department of Environment and Natural Resources



Division of Waste Management

Michael F. Easley, Governor  
William G. Ross Jr., Secretary  
Dexter R. Matthews, Interim Director

September 7, 2001

*Carmen J.*

34-13 12/4/08

Mr. Bill Perry  
Atlantic Scrap Processing  
P.O. Box 608  
Kernersville, N.C. 27284

Re: Water Quality Assessment at the Atlantic Scrap Processing Landfill (formerly United Metals Recyclers Landfill), Kernersville, North Carolina.

Mr. Perry,

The Solid Waste Section has received and reviewed the phase I water quality assessment proposals dated August 27, 2001, submitted on behalf of Atlantic Scrap Processing via fax by W.Z. Baumgartner and Associates, Inc. The following items are approved for immediate implementation.

- 1) Installation of a deeper well clustered with existing monitoring well MW-3 as proposed. The proposed monitoring well shall be installed and constructed in accordance with the *NCAC 15A Subchapter 2C, Well Construction Standards*.
- 2) Relocation of the upgradient well (MW-1) as proposed. The existing monitoring well shall be abandoned in accordance with the *NCAC 15A Subchapter 2C, Well Construction Standards*.
- 3) A surface water sampling location will be added, as proposed, to the facility monitoring system.

The Section is requiring the items listed below be addressed during the phase I activity at the site:

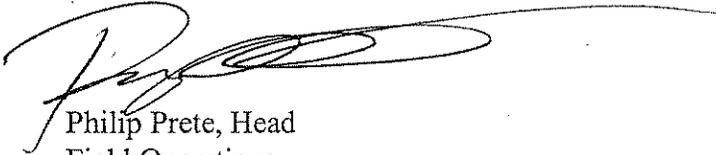
- 1) Please replace the concrete pads for MW-3 and MW-4 and attach permanent identification tags as required in the *NCAC 15A Subchapter 2C, Well Construction Standards*.
- 2) During a site visit in March several areas of erosion and small failures were observed on the east slope of the landfill. Please submit a plan that addresses routine inspection and

1646 Mail Service Center, Raleigh, North Carolina 27699-1646  
Phone: 919-733-0692 \ FAX: 919-733-4810 \ Internet: [www.enr.state.nc.us/](http://www.enr.state.nc.us/)

maintenance of the protective cover at the landfill.

If you have any questions, please call Mark Poindexter at 919-733-0692, extension 261.

Sincerely,

A handwritten signature in black ink, appearing to read 'Philip Prete', with a long horizontal flourish extending to the right.

Philip Prete, Head  
Field Operations  
Solid Waste Section

c: Mark Poindexter  
Brent Rockett  
Wendy Simmons  
central file

# W. Z. BAUMGARTNER & ASSOCIATES, INC.

ENVIRONMENTAL ENGINEERS AND CONSULTANTS

P. O. BOX 680369 • FRANKLIN, TN 37068-0369  
310 WILLIAMSON SQUARE • FRANKLIN, TN 37064  
615-595-0025 • FAX 615-595-1595

W. Z. BAUMGARTNER, JR., P.E., DEE, CHMM, REM  
MICHAEL E. TANT, P.E.  
J. CLAIBORNE THORNTON, III, P.E.

August 27, 2001



*Mr. Mark Poindexter*  
**North Carolina Solid Waste Section**  
401 Oberlin Road  
Suite 150  
Raleigh, NC 27605

**RE: Water Quality Assessment - Atlantic Scrap Processing Landfill**

Dear Mr Poindexter:

As discussed with you during recent telephone conversations, we have been directed by Atlantic Scrap Processing, LLC to submit the following plan for additional water quality assessment tasks at the above referenced landfill.

### **New Monitoring Well**

It is proposed to install a new, deeper monitoring well in the vicinity of existing MW-3. This well will be designated MW-3A. The existing well is screened at a interval 9 to 19 ft. BGS. It is proposed to install the new well with a screened interval approximately 30 feet deeper. This would place the screened interval at 55 to 65 ft. BGS. It is assumed that this well will be a bedrock well and an air rotary rig will be used for the installation. The well will be cased from the surface to the bedrock to assure no water from the surficial zone enters the well. The actual depth of the screened interval will be determined during the installation based on the fractured zones encountered. It is anticipated that the overall depth of the well will not exceed 70 feet. The primary purpose of this well will be the generation of sufficient data to determine if a vertical component to the groundwater flow exists below the landfill.

If, during the drilling process, a significant sandy water-bearing zone is encountered prior to reaching bedrock, the installation will be suspended until your office is consulted.

### **Relocate Upgradient Well**

There are changes proposed for the operation area of the scrap yard that will impact the existing MW-1 (upgradient). Present plans call for an expansion of the processing area and the construction of a building in the area of the well. Consequently, the company plans to relocate this well to the wooded area southwest of the existing well. The installation of the new well (MW-1R) and the abandonment of the existing well will be accomplished at the same time as the installation of the new well.

Mr. Mark Poindexter  
August 27, 2001  
Page 2

### Surface Water Sampling

The company proposes to establish a surface water sampling location in the stream north of the landfill. The approximate location will be just north of the gas pipeline crossing. The exact location will be determined in the field and marked with a painted metal post or some other permanent marker. No upstream sampling point is proposed at this time. This monitoring location will be sampled contemporaneous with a groundwater monitoring event and analyzed for the same analyte list. If elevated concentrations are detected at this location, an upstream sampling point will be added to determine the impact of the landfill.

### Monitoring Event

As soon as practical after the installation of the new monitoring wells, a groundwater monitoring event will be scheduled. During that event, wells MW-1R, MW-2, MW-3, MW-3A, MW-4, and the stream sampling location will be sampled. All samples will be analyzed for the list of parameters previously approved.

Based on his conversation with your office, Mr. Bill Perry of Atlantic Scrap has already obtained a preliminary commitment from a well driller and plans to proceed with the well installation as soon as possible.

If you have any questions or need additional information, please contact me.

Very Truly Yours,

**W. Z. Baumgartner & Associates, Inc.**



Michael E. Tant, P.E.  
Vice President

MET/mt/97054

cc: Mr. Bill Perry



~~# 315 Compliance~~

RECEIVED  
N.C. Dept. of EHNR  
SEP 10  
Winston-Salem  
Regional Office

Too Basic

**RECYCLING INDUSTRIES OF GREENSBORO, INC.**  
**dba UNITED METAL RECYCLERS**  
**P.O. BOX 159**  
**KERNERSVILLE, N.C 27285**  
**Phone 336-996-2241**  
**Fax 336-993-3064**

September 07, 1999

Mr. Julian Foscue  
Western Area Supervisor - Solid Waste Section  
North Carolina Department of Environment and Natural Resources (NCDENR)  
585 Waightown Street  
Winston-Salem, NC 27107-2241

Via: 1st Class Mail

**Subject: Operational Plan for the Industrial Monofill (Monofill) located at United Metal Recyclers ("UMR"); Permit ~~3413~~-TEMP, ID: P0853**

→ 3413-Temp

Dear Mr. Foscue,

Please find attached an "Operational Plan" for the above referenced Monofill for your review and comment. This is in response to our discussions and understandings from meetings held on July 29, 1999 and August 30, 1999 between myself, you, Frank Brenner (UMR), Roger Ruminski (UMR) and Daniel Hockett (NCDENR). The attached Plan should facilitate a better understanding of how waste disposal activities will be conducted at UMR until this Monofill is closed in accordance with a closure plan as approved by the NCDENR.

Issues such as peripheral slopes, surface drainage, final elevations, etc. will be addressed in the Closure Plan for the Monofill.

If you have any questions or need additional information, please feel free to call me. I can be reached at the above number or can be paged at 1-800-628-3913.

Sincerely,



Bill Perry

cc: Roger Ruminski  
Frank Brenner  
Daniel Hockett

RII-United Metal Recyclers  
RII-United Metal Recyclers  
NCDENR - Solid Waste Section - Winston-Salem, NC

# **OPERATIONAL PLAN**

**FOR THE  
MONOFILL LOCATED AT  
UNITED METAL RECYCLERS (UMR),  
FORSYTH COUNTY, KERNERSVILLE  
NORTH CAROLINA**

**SEPTEMBER - 1999**

**A. Spreading and Compacting**

- 1). Waste will be placed into areas not to exceed one acre with a maximum height of 10' before an interim cover of fill dirt is applied. The interim cover will consist of 8-10" of dirt spread over areas which will not receive waste for at least 30 days. The maximum area which does not have interim cover will not exceed one acre. Filling activities will be conducted in a manner so as to minimize any potential for impoundment of surface water. Fill dirt will be applied in a manner to help divert surface water off of the face of the Monofill as much as practicable. The locations and frequency of change of areas of filling will follow a logical pattern based on projected final elevations of waste, prior to final closure of the Monofill in accordance with an approved Closure Plan. Issues such as peripheral slopes, surface drainage, final elevations, etc. will be addressed in the Closure Plan for the Monofill.
  
- 2). Waste will be compacted upon spreading by using a wheeled - loader using a "sheep's-foot" compactor as appropriate.

**B. Erosion Control Measures**

- 1). The existing erosion control measures will be maintained in accordance with appropriate North Carolina Department of Environment and Natural Resources (NCDENR) rules and regulations. The

devices currently existing have been inspected by the Land Quality Section of NCDENR and found to be in compliance with UMR's approved erosion and sedimentation plan.

**C. Access and Security Measures**

- 1). The access and security measures currently in place at UMR will be continued as in the past. These measures are listed below:
  - a) An attendant will be in the Monofill area or within close proximity when it is in active use in order to ensure that waste is properly placed and compacted.
  - b) During non-business hours an hourly visual inspection of the Monofill area will be conducted by on-site security personnel.
  - c) The Monofill access is limited from the southern end by means of the fenced scrap processing area and from other directions by berms, topography and the side-slopes of the Monofill.

**D. Safety Requirements**

- 1). Equipment and fill dirt for suppression is provided for to control any accidental fires which may occur at the Monofill.

- a). The Town of Kernersville Fire Department is familiar with the best techniques of fire suppression at the Monofill and we have met with Officials from the Fire Department. The Town of Kernersville's Fire Department is the first responder to any incident pertaining to a fire at UMR's facility.
- 2). UMR will report any fires that may occur at the Monofill within 24 hours and follow with a written notification within 15 days.
- 3). UMR will not remove any waste from its Monofill with the knowledge and consent of NCDENR.
- 4). UMR will not dispose of any barrels and/or drums in the Monofill.

**E. Waste Acceptance and Other Requirements**

- 1). The waste disposed of at UMR's Monofill is generated from the various metal recovery and support operations located adjacent to the Monofill. The most predominate waste is shredder residue, which primarily consists of non-metallic solid material including, but not limited to plastic, broken glass, rubber, foam rubber, soil and fabric. Shredder residue is an unconsolidated non-homogenous solid with a medium to dark color. Freshly generated shredder residue may have a mild, musty odor. The wastes disposed of at the Monofill have been sampled and characterized on a periodic basis. The waste analysis demonstrates that it is not a hazardous waste under RCRA.

- 2). UMR has in place an in-bound acceptance criteria policy (attached) in order to ensure that it does not process certain items in its operations that may present an environmental or safety concern.
  
- 3). UMR will not dispose of any liquid wastes, hazardous wastes, or wastewater treatment sludges in the Monofill.

## **SHREDDER GUIDELINES**

September 15, 1998

In order to comply with existing Federal, State and Local safety and environmental laws and regulations, it is necessary that the following items **MUST BE REMOVED** from all scrap (including automobile bodies and hulks, loose light iron and tin, light iron logs and any other scrap) destined for **SHREDDING** operations **BEFORE IT IS DELIVERED TO OUR PLANT FOR SALE**.

We recognize that special circumstances may arise and will work with our suppliers on a case-by-case basis in order to recycle certain types of materials. Please feel free to bring to our attention any scrap materials as to their acceptance at our facility for recycling.

1. **BATTERIES OR PIECES OF BATTERIES - INCLUDING HOUSEHOLD BATTERIES**
- 2.\* **GAS TANKS**
3. **TIRES**
4. **LOOSE MUFFLERS OR TAILPIPES**
5. **CATALYTIC CONVERTERS**
6. **UNSPENT AIR BAG CANISTER AND OTHER EXPLOSIVE MATERIALS**
7. **BARRELS, DRUMS, PAILS AND BUCKETS**
8. **CLOSED CONTAINERS**
9. **GARBAGE, RAGS, PAPER AND OTHER DEBRIS**
- 10.\* **HEAVY UNSHREDDABLE SCRAP, CABLE AND WIRE**
- 11.\* **STEEL OR CAST IRON BORINGS OR TURNINGS**
12. **CAPACITORS**
- 13.\* **ELECTRIC MOTORS**
- 14.\* **FLUORESCENT LIGHT FIXTURES**
15. **MICROWAVES**

16. WINDOW AIR CONDITIONERS
17. HEAT PUMPS
18. CFCs AND OTHER REFRIGERANT MATERIALS
19. ALL FLUIDS
20. SMOKE DETECTORS (ALL TYPES)

\* DENOTES THAT THESE ITEMS MAY BE PURCHASED AS SEGREGATED LOTS.

**FAILURE TO COMPLY WITH THIS POLICY WILL RESULT IN REJECTIONS AND / OR OTHER MEASURES.**

We regret the necessity to place these restrictions on our suppliers, but we are forced to take these actions in order to protect the environment and be in compliance with governing environmental laws and regulations.

**THIS POLICY WILL BE STRICTLY ENFORCED !!!!!**

**WE WILL BE HAPPY TO DISCUSS THIS POLICY WITH YOU AT ANY TIME.**

Original	3-18-91
Updated	5-24-93
Updated	11-10-95
Updated	8-27-96
Updated	9-15-98

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UNITED METALS

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DATE: 11/24/98  
FROM: PHILIP J. PRETE  
RE: UNITED METALS SHREDDER FLUFF LANDFILL  
#34-13 *TEMP*  
PRIORITY: NORMAL

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Julian is to ask for the following:

- Fire safety plan – letter from fire marshal approving
- Cover plan
- Erosion control plan
- Operations plan
- ❖ Establish compliance file in central files [KC]
- ❖ Establish Groundwater file [LR]
- ❖ Summarize Environmental data [LR]

In compliance with the 98 rule in that they have submitted the modeling

*Modeling is currently under review by Ed / Matt*

11/24/98