



Giant Resource Recovery – Sumter, Inc.

TSDF AUDIT INFORMATION

I. GENERAL INFORMATION

- 1. **Facility Name:** Giant Resource Recovery - Sumter, Inc.
- 2. **Address:** Post Office Box 1755, Sumter, South Carolina 29151
755 Industrial Road, Sumter, South Carolina 29150
- 3. **Telephone Number:** (803) 773-1400
- 4. **EPA ID Number:** SCD036275626

5. **Giant Resource Recovery – Sumter, Inc. (GRR-Sumter)** is a fully licensed, permitted hazardous waste recycling, processing and storage facility. The Part B permit was received in 1987 and reissued in 7/02. Though the permit expired in 7/07, a timely renewal was submitted in 3/07, and, therefore, the facility continues to operate under the existing permit while the renewal is being reviewed and finalized by the South Carolina Department of Health and Environmental Control (SCDHEC). Solid waste, oil processing and oil marketing permits were issued in 7/99 and modified in 9/05. The laboratory was certified in 10/06 and recertified in 9/07.

GRR-Sumter is a member of the Giant Cement family of companies. This includes Giant Cement in Harleyville, SC; Keystone Cement in Bath, PA; GRR-Arvonion in Arvonion, VA; GRR-Attalla, our sister fuel blending/solvent recovery facility in Attalla, AL; GRR Aerosols, also in Attalla, AL; and Dragon Cement located in Maine. GRR-Sumter also has a solvent distribution and 10-day transfer location in Norcross, GA. There is a separate 4-acre site in Sumter for rail cars and solvent distribution. Giant Cement Holding, Inc. in Summerville, SC, is owned by Cementos Portland Valderrivas of Madrid, Spain. Cementos Portland is one of the top cement producers in the world.

- 6. **Site Historic Use:** Prior to the start-up of GRR-Sumter (formerly Southeastern Chemical & Solvent Co.), the site was used for farming. Prior to that (during the 1920 - 1930's), the site was used by a manufacturer of wooden barrels.
- 7. **Site Location:** GRR-Sumter occupies eight acres of an 18-acre tract in a light industrial area approximately one mile south/southeast of the City of Sumter. Turkey Creek, which is a southward flowing tributary of the Pocotaligo River, borders the site to the east. Sherwin-Williams borders the site to the north. Florence Concrete Products, which manufactures prestressed concrete products, borders the facility to the south. Industrial Boulevard, the access road to the facility, borders the site to the west.
- 8. **Floodplain Location:** An eastern portion of the non-operational area within the 18-acre tract is located in the 100-year floodplain.
- 9. **Traffic Information:** Incoming waste arrives at the facility via Industrial Boulevard. The road entering the facility is constructed of compacted sand clay with asphalt covering. Waste delivery is by tanker, drum truck, drum van or roll-off container.
- 10. **Hours of Operation:** The plant operates 24 hours a day, five days a week. Waste is received Monday through Friday from 7am to 11pm.
- 11. **Site Access Control:** The facility is surrounded by a six-foot high chain link fence with three strands of barbed wire. There are two entry gates. The main gate (north) is controlled via an electronic gate opener and monitored by site personnel. The south gate access, where hazardous waste shipments enter for weighing, is monitored by site personnel. There are three additional gates that remain locked at all times. The site is actively monitored 24 hours a day.
- 12. **Warning Signs:** Required warning signs are posted at the main gate and along the perimeter of the site. Safety signs are posted at various locations in the plant.

13. Permits

	<u>Permit #</u>	<u>Date of Issue</u>
RCRA Part B	SCD036275626	July 2002
Solid Waste Processing	432675-2001	July 1999
Used Oil Marketing	432675-7301	July 1999
Used Oil Processing	432675-7101	July 1999
NPDES (Utility Water)	SCG250000	March 2006
NPDES (Storm Water)	SCR000000	July 2004
POTW	018 City of Sumter	November 2006
Laboratory Certification	43067001	September 2007
Air Permit	2140-0038	September 2005



- 14. Contingency Plan:** Fully operational, including arrangements with local authorities and evacuation plans
- 15. Training Programs:** Required Training Programs including HAZWOPER, Right-to-Know, Spill Response Safety, Fire Fighting, etc.
- 16. Inspections:** All equipment, processes and operating areas are inspected on a daily, weekly and annual basis with appropriate recordkeeping.
- 17. Communication:** Portable radios, telephone, audible alarms and loud speakers
- 18. Waste Analysis:** GRR's full-time chemists and assistants have extensive training in the treatment and recognition of chemical waste. Each inbound shipment is thoroughly tested for specific gravity, water content, heat value, halogen/chlorine, ash content and positive identification of each solvent through the use of several gas chromatographs. The waste is then either recycled for beneficial re-use in industry or mixed with other solvents for use as a source of energy at a cement kiln.

II. STORAGE AND PROCESSING CAPABILITIES

- Acceptable Wastes:** Permitted Hazardous Waste Codes – D001, F001, F002, F003, F005, D004 through D043
Non-hazardous, non-regulated waste is also accepted.
(NOTE: Codes are subject to change.)

III. TANK AND DRUM STORAGE AREAS

- 1. Description:** Seven areas are provided as follows:
- **Storage Area 1** holds eight 30,000-gallon horizontal bulk tanks, each with four 7500-gallon compartments.
 - **Storage Area 2** currently has six 20,000-gallon vertical bulk tanks.
 - **Storage Area 3** holds two 25,000-gallon horizontal tanks mounted on brick saddles on continuous concrete piers.
 - **Storage Area 4** holds three 6,000-gallon vertical tanks.
 - **Storage Area 5** is the Drum Storage and Process Area which holds 998 drums (55-gallon equivalent) maximum, or 54,890 gallons, arranged with proper aisle spacing.
 - **Storage Area 6** is the Drum Filling and/or Drum Storage Area which holds 580 drums maximum (55-gallon equivalent), or 31,900 gallons, arranged with proper aisle spacing.
- 2. Physical Details:** The tank storage pads are constructed of concrete with a comprehensive strength of 200 psi. A continuous curb wall lines the perimeter of these storage areas to provide holding capacity equivalent to the largest tank plus a 25-year, 24-hour storm.
- Container Storage Areas 5 and 6 consist of pre-engineered metal building structures that provide weather protection for drum storage on concrete slabs on grade. The grade slab provides secondary containment in the event of a leak or spill.

IV. INSURANCE

Wachovia Insurance Services of Atlanta GA is the agent for our pollution legal liability insurance. Our coverage includes \$5 million each occurrence, \$10 million each aggregate and \$25 million excess liability.



2600 Bull Street
Columbia, SC 29201-1708

OFFICE OF ENVIRONMENTAL QUALITY CONTROL
BUREAU OF LAND AND WASTE MANAGEMENT
HAZARDOUS WASTE PERMIT

Permit Number SCD 036 275 626

Issue Date: July 12, 2002 Effective Date: July 17, 2002

Expiration Date: July 17, 2007 Date Last Modified: _____

This Permit is hereby issued to: Southeastern Chemical and Solvent

Address: 755 Industrial Road
Sumter, SC 29151-1755

Facility Contact: Stanford Ray - Environmental Health & Safety Manager

Phone: (803) 773-1400 Extension 133

This Permit is for treatment in tanks and miscellaneous units, storage in tanks and containers, and identification and corrective action for solid waste management units (SWMUs) located at 755 Industrial Road in Sumter, South Carolina.

This Permit is issued pursuant to Section 44-56-10 *et seq.* Regulation 61-79 of the 1976 South Carolina Code of Laws, as amended. The authority granted hereunder is subject to the requirements of the aforementioned laws and regulations and the attached conditions.



John Litton, P.E., Director
Division of Waste Management
Bureau of Land and Waste Management

This Permit is the property of the Bureau of Land and Waste Management and must be surrendered on demand. This signature page must be posted at all times in a conspicuous place on the premises.



C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

OFFICE OF ENVIRONMENTAL QUALITY CONTROL
BUREAU OF LAND AND WASTE MANAGEMENT
SOLID WASTE PROCESSING FACILITY
FACILITY ID # 432675-2001

Date of Issuance: July 7, 1999
Date of Modification: September 28, 2005 Effective Date of Modification: September 28, 2005

Permission is hereby granted to:

Name of Facility: Giant Resource Recovery – Sumter Processing Facility
Permittee: Giant Resource Recovery – Sumter, Inc.
Address: 755 Industrial Road
Sumter, SC 29150
Supervisor: Karl B. Chandler
Phone: (803) 773-1400

for the operation of a solid waste processing facility, located in Sumter County, on Industrial Road, adjacent to and east of its hazardous waste facility. From US Highway 15, Lafayette Street, turn left onto Fulton Street for approximately 0.20 mile. Turn right onto Industrial Road for approximately 0.20 mile and the entrance to the facility is on the left.

This permit is issued pursuant to Sections 44-96-10 *et seq.* (Supp. 2004) and 25A S.C. Code Regs. 61-107.6 (Supp. 2004). The authority granted hereunder is subject to the requirements of the aforementioned laws and regulations and the attached conditions.



Arthur D. Braswell, Director



R. Craig Kennedy, P.G.
Assistant Director

Division of Mining and Solid Waste Management
Bureau of Land & Waste Management



C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

OFFICE OF ENVIRONMENTAL QUALITY CONTROL
BUREAU OF LAND AND WASTE MANAGEMENT
USED OIL MARKETING FACILITY
FACILITY ID # 432675-7301

Date of Original Issuance: July 8, 1999

Date of Modification: September 23, 2005

Effective Date of Modification: September 23, 2005

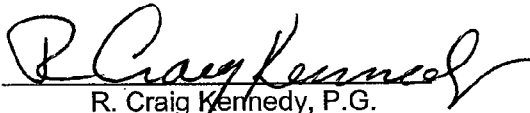
Permission is hereby granted to:

Name of Facility:	<u>Giant Resource Recovery-Sumter, Inc.</u>
Permittee:	<u>Giant Resource Recovery-Sumter, Inc.</u>
Mailing Address:	<u>755 Industrial Road</u> <u>Sumter, SC 29151</u>
Contact Person:	<u>Mr. Stanford Ray</u>
Telephone:	<u>1-803-773-1400</u>

for the operation of a used oil marketing facility, located in Sumter County, on Industrial Road. From US Highway 15, Lafayette Street, turn left onto Fulton Street for approximately 0.20 mile. Turn right onto Industrial Road for approximately 0.20 mile and the entrance to the facility is on the left.

This permit is issued pursuant to S.C. Code Ann. Section 44-96-160 et. Seq. (Supp 2004) and 25A S.C. Code Regs. 61-107.279 (Supp. 2004). The authority granted below is subject to the requirements of the previously mentioned law and regulations and the attached conditions.


Arthur D. Braswell, Director


R. Craig Kennedy, P.G.
Assistant Division Director

Division of Mining and Solid Waste Management
Bureau of Land and Waste Management



C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

OFFICE OF ENVIRONMENTAL QUALITY CONTROL
BUREAU OF LAND AND WASTE MANAGEMENT
USED OIL PROCESSING FACILITY
FACILITY ID # 432675-7101

Date of Original Issuance: July 8, 1999
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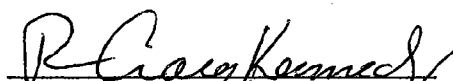
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Name of Facility: Giant Resource Recovery-Sumter, Inc.
Permittee: Giant Resource Recovery-Sumter, Inc.
Mailing Address: 755 Industrial Road
Sumter, SC 29151
Contact Person: Mr. Stanford Ray
Telephone: 1-803-773-1400

for the operation of a used oil processing facility, located in Sumter County, on Industrial Road. From US Highway 15, Lafayette Street, turn left onto Fulton Street for approximately 0.20 mile. Turn right onto Industrial Road for approximately 0.20 mile and the entrance to the facility is on the left.

This permit is issued pursuant to S.C. Code Ann. Section 44-96-160 et. Seq. (Supp 2004) and 25A S.C. Code Regs. 61-107.279 (Supp. 2004). The authority granted below is subject to the requirements of the previously mentioned law and regulations and the attached conditions.


Arthur D. Braswell, Director


R. Craig Kennedy, P.G.
Assistant Division Director

Division of Mining and Solid Waste Management
Bureau of Land and Waste Management



South Carolina Department of Health
and Environmental Control

National Pollutant Discharge Elimination System

General Permit

for

Utility Water Discharges

in accordance with limitations, monitoring requirements and other conditions set forth herein. This permit is issued in accordance with the provisions of the Pollution Control Act of South Carolina (S.C. Code Sections 48-1-20 *et seq.*, 1976), Regulation 61-9 and with the provisions of the Federal Clean Water Act (PL 92-500), as amended, 33 U.S.C. 1251 *et seq.*, the "Act."

Jeffrey P. deBessonet, P.E., Director
Water Facilities Permitting Division
Bureau of Water

Issue Date: March 21, 2006

Expiration Date: April 30, 2011

Effective Date: May 1, 2006

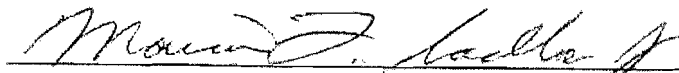
Permit No.: SCG250000



NPDES GENERAL PERMIT
for
STORM WATER DISCHARGES

Associated with
INDUSTRIAL ACTIVITY
(except construction activity).

In compliance with the provisions of the S.C. Pollution Control Act (S.C. Code Sections 48-1-10 *et seq.*, 1976) and with the provisions of the Clean Water Act, 33 U.S.C. §1251 *et. seq.*, (hereafter CWA or the Act), as amended by the Water Quality Act of 1987, P.L. 100-4, operators of industrial activities that are described in Subpart 1.3.A and B of this National Pollutant Discharge Elimination System (NPDES) general permit, except for those activities excluded from authorization of discharge in Subpart 1.3.C of this permit, are authorized to discharge pollutants to waters of the State of South Carolina in accordance with the conditions and requirements set forth herein.



Marion F. Sadler Jr., Director

Industrial, Agricultural and Storm Water Permitting Division
Bureau of Water

Issued: July 22, 2004 ; Effective: July 1, 2005 ; Expires: August 31, 2008

Permit No.: **SCR000000**

CITY OF SUMTER
WASTEWATER DISCHARGE
PERMIT

TO DISCHARGE WASTEWATER IN ACCORDANCE WITH
THE CITY OF SUMTER PRETREATMENT PROGRAM

AND


THE SEWER USER ORDINANCE

GIANT RESOURCE RECOVERY-SUMTER, INC.

has been granted permission to discharge wastewater from a facility located at

755 INDUSTRIAL ROAD
SUMTER, SOUTH CAROLINA

to the sanitary sewer system of the City of Sumter in accordance with effluent limitations, monitoring requirements and other conditions set forth in Part I and II hereof. This permit is issued in accordance with the provisions of the South Carolina Procedures Manual for a POTW Pretreatment Program submission, and with the provisions of the Federal Clean Water Act (PL-95-217), and the General Pretreatment Regulations for existing and new sources of pollution (40 CFR Part 403), and pursuant to authority contained in Ordinance No. 2138 of the City of Sumter (commonly known as the City of Sumter Sewer Use Ordinance) as the same may from time to time be amended.



Charles Glasscho
Director of Utilities - City of Sumter

ISSUED: February 15, 2008

EXPIRES: February 28, 2013

EFFECTIVE: March 1, 2008

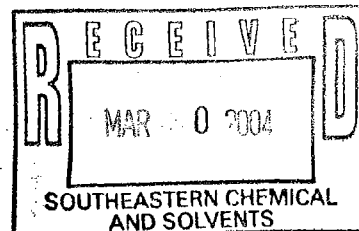
PERMIT NO. 018



NOTICE OF COVERAGE
Operating Permit: Satellite Sewer Systems
Operation and Maintenance Requirements

Date: *March 29, 2004*

SOUTHEASTERN CHEMICALS
P O BOX 1755
SUMTER, SC 29151



RE: Permit Coverage #: SSS000435

State regulation 61-9.610 became effective on July 27, 2003 (enclosed). It identifies requirements for operating a satellite sewer system and sets up a permitting program. Based on information we have at the Department, you (or your employer) owns a satellite system(s) that is addressed by this regulation.


Effective with this notice is your coverage under the Satellite Sewer System permit (enclosed). As required by this permit, please complete and submit the enclosed Form 2614 to this office within 60 days. If you own multiple satellite systems, please complete one form for each distinct satellite system. For example if the City of Spartanburg has collection systems connected to two different plants, this situation would be two separate satellite systems and would require the completion of two forms.

The permit coverage number has been assigned as referenced. However, if you have multiple satellite systems, a unique number will be applied to each upon receipt of each Form 2614. Use the permit coverage number in any reports to DHEC.

Please read the enclosed permit and fully comply with its requirements. Failure to comply will subject the owner to enforcement action under the provisions of the S.C. Pollution Control Act. If you believe that your system does not meet the definition of a satellite sewer system covered by R.61-9.610.2, please respond immediately to the address below. Questions can be addressed to my attention at debessjp@dhec.sc.gov or at:

Water Facilities Permitting Division
DHEC, 2600 Bull Street
Columbia, SC 29201

Sincerely,


Jeffrey P. deBessonnet, P.E.
Director, Water Facilities Permitting Division

enclosure: Satellite Sewer System Information Package (regulation, permit, forms)

This permit decision can be appealed by affected parties under State Regulation 61-72. To request a contested case hearing, a request must be made within 15 days to the Clerk of the DHEC Board. This request must include the following information: the name of the party requesting the hearing and the issue(s) for which the hearing is requested; the caption or other information sufficient to identify the decision, order, action or inaction which is the subject of the hearing; the relief requested. Note further that Administrative Law Judge (ALJ) Division rules require that a person requesting a contested case hearing must file a copy of the request and a filing fee in the amount of \$250 with the ALJ Division at the following address: Clerk, ALJ Division, 1205 Pendleton Street, Suite 224, P.O. Box 11667, Columbia, SC 29211.



South Carolina Department of Health and Environmental Control

Environmental Laboratory Certification Program

In accordance with the provisions of Regulation 61 - 81, entitled
"State Environmental Laboratory Certification Regulation,"

GRR SUMTER ENVIRONMENTAL LABORATORY
755 INDUSTRIAL RD
SUMTER, SOUTH CAROLINA 29151

is hereby certified to perform analyses as documented on the attached parameter list(s). This certification does not guarantee validity of data generated, but indicates the laboratory's adherence to prescribed methodology, quality control, records keeping, and reporting procedures. This certificate is the property of S.C. DHEC and must be surrendered upon demand. This certificate is non-transferable and is valid only for the parameters and methodology listed on the attached parameter list(s).

Laboratory Director: JOSEPH STINNEY
Certifying Authority: SC
Date of Issue: September 10, 2007
Date of Expiration: October 01, 2010
Certificate Number: 43067001



Director
Office of Environmental Laboratory Certification

**SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM**

GRR SUMTER ENVIRONMENTAL LABORATORY (Laboratory ID 43067)
Laboratory Director: JOSEPH STINNEY
Certifying Authority: SC
Certificate Number: 43067001

Date of Issue: September 10, 2007
Expiration Date: October 01, 2010

CLEAN WATER ACT

INORGANIC - MINERAL

HYDROGEN-ION CONC. (PH) SM 4500HB (18TH)

INORGANIC - MISCELLANEOUS

TEMPERATURE SM 2550B (18TH)

SOLID & HAZARDOUS WASTES

INORGANIC - HAZARDOUS WASTE CHARACTERISTICS

IGNITABILITY (SETAFLASH) EPA 1020B
IGNITABILITY OF SOLIDS EPA 1030

INORGANIC - MINERAL

CHLORIDE EPA 9253
HYDROGEN-ION CONC. (PH) EPA 9040C
HYDROGEN-ION CONC. (PH) (SOIL AND WASTE) EPA 9045D

INORGANIC - MISCELLANEOUS

PAINT FILTER LIQUIDS TEST EPA 9095B



C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

**OFFICE OF ENVIRONMENTAL QUALITY CONTROL
BUREAU OF AIR QUALITY
OPERATING PERMIT**

Giant Resource Recovery - Sumter Inc.
755 Industrial Road
Sumter, South Carolina, 29150

Pursuant to the provisions of the *Pollution Control Act*, Sections 48-1-50(5) and 48-1-110(a), 1976 *Code of Laws of South Carolina* and the *South Carolina Air Quality Control Regulation 61-62.1*, Section II(B), the Bureau of Air Quality authorizes the operation of the equipment specified herein in accordance with the plans, specifications and other information submitted in the construction permit application. This permit is subject to all conditions and operating limitations contained herein.

TABLE 1. EQUIPMENT DESCRIPTIONS (BOILERS)					
Equip ID	Equipment Description	Design Capacity	Fuels	Install (Modify) Date	Control Device ID
B-03	Boiler No.3 CycloTherm Model C5200 SN 21272 (Generates steam for use by the solvent recovery equipment)	6.3E+06 Btu/hr	Natural Gas and No.2 Fuel Oil	1974	None
B-04	Boiler No.4 Cleaver Brooks Model CB900-200 (Generates steam for use by the solvent recovery equipment)	8.4E+06 Btu/hr	Natural Gas and No.2 Fuel Oil	1974	None
P-05	Portable Boiler Cleaver Brooks Model 4-X-156-S150-M SN L-66530 (Generates steam where needed)	3.6E+06 Btu/hr	No.2 Fuel Oil	1990	None

PERMIT NUMBER: 2140-0038
DATE OF ISSUE: September 23, 2005
EXPIRES ON THE LAST DAY OF: May 2010
PLANT LOCATION: 755 Industrial Road – Sumter
SIC/NAICS CODE: 7389/325998