



RECORD OF CERTIFIED WASTE-DERIVED PRODUCT APPROVAL

Issued by the NH Department of Environmental Services, Waste Management Division (Department), pursuant to RSA 149-M and Chapter Env-Sw 1500 of the New Hampshire Solid Waste Rules (Rules)

I. PRODUCT IDENTIFICATION:

Certified Waste Derived Product No.: 27

Common Name: construction aggregate

Name/ address of person having proprietary control of product: RMG Enterprise, LLC, 113 Hillside Avenue, Londonderry, NH 03053

Trade Name, if any: AggreGlass

Waste Content: Non-hazardous glass fraction (panel glass) from cathode ray tubes (CRTs)

General Product Use / Purpose: Aggregate for specified construction uses within the containment systems of single- or double-lined landfills designed pursuant to Env-Sw 805.05.

II. FILE REFERENCE/RECORD OF APPLICATION FOR CERTIFICATION:

Applicant Name: RMG Enterprise, LLC (RMG)

Applicant Mailing Address: 113 Hillside Avenue, Londonderry, NH 03053

Applicant Principal Business Address: 113 Hillside Avenue, Londonderry, NH 03053

Date(s) Received: October 19, 2011; March 23, 2012; May 1, 2012; June 18, 2012; July 10, 2012; February 1, 2013; April 11, 2013; July 17, 2013; and December 19, 2013

WMD Document Log #(s): 2011707, 10184, 10454, 10689, 10770, 11829, 12638, 12661, & 13172, respectively

III. PRODUCT SPECIFICATIONS AND AUTHORIZED USES: See page 2.

IV. RESTRICTIONS / LIMITATIONS: See page 3.

V. AUTHORIZATION & SIGNATURE: The waste-derived product identified above is hereby certified for distribution and use, subject to all terms, conditions and limitations specified herein. Accordingly, per Env-Sw 1502.02(a), the specified waste-derived product, if actively managed and used in accordance with the applicable provisions of the certification, shall be deemed not a solid waste and therefore not subject to regulation by the Rules. Per Env-Sw 1502.02, it is the specified waste-derived product, and not the waste used to make the product that is certified and thereby deemed not a solid waste. Per Env-Sw 1502.02, this certification shall not constitute an endorsement by the Department of the waste-derived product; nor does it mean the product is benign to the environment, public health and safety, nor does it assure that the product will perform according to consumer expectations or manufacturer or distributor representations; nor does it constitute authorization for any facility producing the product to be exempt from the Rules; nor does it eliminate a person's obligation to obtain all requisite federal, state or local permits, licenses or approvals, or to comply with all other applicable federal, state, district and local permits, ordinances, laws, approvals or conditions relating to producing, distributing, or using the product; nor does it exempt a person from the provisions of RSA 149-M and the Rules when the certified waste-derived product resumes the status of a solid waste, including when it ceases to be actively managed or is otherwise abandoned or discarded. No liability is incurred by the State of New Hampshire by reason of this approval. This approval is based on information and representations provided to the Department in the application identified in Section II above. No warranty/guarantee is intended or implied by reason of any advice given by the Department or its staff. This certification may be revoked or suspended in accordance with Part Env-Sw 1509 of the Rules. Failure to comply may result in civil or criminal penalties or administrative fine. Certification of this waste-derived product shall not limit the ability of a political subdivision or governmental unit of the State to further restrict use of this product or require more restrictive specifications


Michael J. Wimsatt, P.G., Director
Waste Management Division

April 28, 2015
Effective Date



Section III, continued from page 1---Product Specifications and Authorized Uses: Subject to the restrictions and limitations stated in Section IV of this approval, processed non-hazardous glass from cathode ray tubes (CRTs) is hereby certified for distribution and use in the State of New Hampshire as a substitute for construction aggregate within the containment systems of single- or double-lined landfills designed pursuant Env-Sw 805.05, provided that it meets the following specifications:

Finished Product Physical Specification--

(1) Engineering Specification. The finished waste-derived product (construction aggregate) shall meet the gradation and other applicable specifications for its intended use, as required by a qualified professional engineer licensed in New Hampshire.

Waste Feedstock Specifications--

(2) Source. The waste feedstock (non-hazardous waste CRT panel glass) used to produce the finished waste-derived product (construction aggregate) shall be obtained only from a CRT handling process under the control of RMG Enterprise, LLC (RMG) that is compliant with the Universal Waste requirements in Env-Hw 1101 through Env-Hw 1107 and Env-Hw 1113.

(3) Metals Content. The metals content of the waste feedstock (non-hazardous waste CRT panel glass) used to produce the finished waste-derived product (construction aggregate) shall not exceed the most current maximum concentration limits provided in 40 CFR 261, Subpart C, 261.24 (TCLP) and 40 CFR 268, Subpart D, 268.40 (LDR), which on the effective date of this approval are as shown in the table below, such concentrations to be determined through representative sampling in accordance with (4) of this section. The most limiting of the LDR and TCLP restrictions shall apply.

Metal	TCLP Limits (mg/L)	Land Disposal Restrictions (LDR) Limits (mg/L)
arsenic	5.0	5.0
barium	100.0	21.0
cadmium	1.0	0.11
chromium	5.0	0.60
lead	5.0	0.75
mercury	0.2	0.20
selenium	1.0	5.70
silver	5.0	0.14

(4) Basis for Determining Metals Content. Representative sampling and analyses of the waste feedstock panel glass shall be undertaken in accordance with RMG's "CRT Panel (Non-Hazardous) Glass Quality Control & Quality Assurance Procedure"(WMD Log# 12661 and 13172), which shall be modified to include:

- (a) Monthly, analyze a composite sample of the panel glass destined for use as feedstock, comprised of representative weekly (or more frequent) grab samples obtained during that month.
- (b) Analyze the composite sample for the 8 RCRA metals identified in (3) of this section, above, to ensure that the feedstock used to produce the product meets the specifications stated in (3).
- (c) Samples shall be analyzed by a laboratory accredited by the New Hampshire Environmental Laboratory Accreditation Program.
- (d) Sampling records and results shall be provided to the Department upon request.



Section IV, continued from page 1---Product Restrictions and Limitations: Distribution and use of this certified waste-derived product is subject to the general requirements and limitations in Env-Sw 1502.02 and Env-Sw 1502.04, copies of which are appended hereto, and the additional provisions specified below.

(1) Use. The waste-derived product shall be marketed and distributed only for use as construction aggregate within the containment systems of single- or double-lined landfills designed pursuant Env-Sw 805.05, as specified pursuant to Section III(1) of this approval.

(2) Disclosure. Pursuant to Env-Sw 1502.04(e), this approval requires distributors of this certified waste-derived product to disclose the following information to consumers:

- (a) The nature of the waste used to produce the finished product;
- (b) The proper uses of the finished product and any restrictions related thereto, specifically including the use restriction specified in (1) of this section, the proper storage methods identified in (3) of this section, and the proper transportation methods specified in (4) of this section;
- (c) Any hazards that might result from use of the waste-derived product as directed;
- (d) Proper disposal methods of the waste-derived product if not actively managed for its intended purpose;
- (e) Other such information as may be required by applicable state or federal marketing or consumer protection laws.

(3) Storage. The waste feedstock (non-hazardous waste CRT panel glass) used to produce the finished waste-derived product (construction aggregate) and the finished product shall be stored in a building or container designed to minimize releases, including dust and storm water runoff.

(4) Transportation. The waste feedstock (non-hazardous waste CRT panel glass) and the finished product (construction aggregate) shall be transported in containers or in such manner as to minimize releases, including dust and storm water runoff.

Appendix A: Env-Sw 1502.02, effective 07-01-2014

Env-Sw 1502.02 Status of Certified Waste-Derived Products.

- (a) A waste-derived product certified for distribution and use pursuant to this chapter, which is actively managed and used in accordance with the applicable provisions of the certification, shall be deemed not a solid waste and therefore not subject to regulation by the solid waste rules.
- (b) Certification granted pursuant to this chapter shall not constitute an endorsement by the department of the waste-derived product.
- (c) Certification shall not mean that a product is benign to the environment, public health and safety or that the product will perform according to consumer expectations or manufacturer or distributor representations.
- (d) Certification shall not constitute authorization for a facility producing a waste-derived product to be exempt from the solid waste rules. It shall be the waste-derived product, not the waste used to manufacture the product, which is certified and thereby deemed not a solid waste.
- (e) Certification shall not affect any person's obligation to obtain all requisite federal, state or local permits, licenses or approvals to comply with all other applicable federal, state, district or local permits, ordinances, laws or approvals or conditions pertaining to distribution, use and disposal of a certified waste derived product.
- (f) Certification shall not exempt any person from the provisions of RSA 149-M and the solid waste rules when the certified waste-derived product resumes the status of a solid waste, including when it ceases to be actively managed or is otherwise abandoned or discarded.



Appendix B: Env-Sw 1502.04, effective 07-01-2014

Env-Sw 1502.04 General Requirements and Limitations. Certification of a waste-derived product, whether provided by rule pursuant to Env-Sw 1503 or pursuant to the application provisions of Env-Sw 1505, shall be subject to each of the following general requirements and limitations:

- (a) A certified waste-derived product shall not contain:
 - (1) A hazardous waste;
 - (2) A hazardous air pollutant including asbestos waste;
 - (3) Any waste identified in Env-Sw 900 as non-reusable, including asbestos waste and infectious waste; or
 - (4) Any other waste requiring treatment and disposal to protect human health and the environment from exposure hazards documented in nationally recognized scientific and public health studies and publications;
- (b) A certified waste-derived product, if produced from a waste identified in Env-Sw 900, shall be subject to the reuse requirements and limitations specified in Env-Sw 900;
- (c) The certified waste-derived product shall not be distributed or used except in compliance with all applicable state and federal laws;
- (d) Distributors and users of certified waste-derived products shall manage the products in conformance with the universal environmental performance standards in Env-Sw 1002;
- (e) When specified by the solid waste rules as a condition of the certification or when required to comply with state or federal marketing or consumer protection laws, distributors of certified waste-derived products shall disclose the following information to consumers:
 - (1) The content and nature of the waste-derived product contained in the product;
 - (2) The proper uses of the materials and any restrictions related thereto;
 - (3) Any hazards that might result from use of the waste-derived product as directed;
 - (4) Proper disposal methods; and
 - (5) Other such information as may be required by applicable state or federal marketing or consumer protection laws; and
- (f) Certification granted pursuant to Env-Sw 1505 shall be subject to revocation and suspension pursuant to Env-Sw 1509.