COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3042-10

Product Evaluation Coordinator
Colorado Department of Transportation
4670 North Holly Street, Unit A
Denver, Colorado 80216

Material code: 604.04.04.02

FOR INTERNAL CDOT USE

Material code description full name: Storm Water Separator, High Flow

PART 1

Product name: Vortechs	Product category: Drainage\Storm Water Separator\High Flow Hydrodynamic
Product representative (name & address): Attn: Duane Herring CONTECH Stormwater Solutions 11835 NE Glenn Widing Drive Portland, Oregon 97220 Phone: (303) 204-8438 FAX: (800) 561-1271	Manufacturer (name & address): Attn: Duane Herring CONTECH Stormwater Solutions 11835 NE Glenn Widing Drive Portland, Oregon 97220 Phone: (207) 756-6200 FAX: (207) 756-6212
Web-site address: www.contech-cpi.com	Web-site address: www.contech-cpi.com

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)

The Vortechs® system is a high-performance hydrodynamic separator that removes sediment, free oil and grease, and debris. The Vortechs system is installed below grade and is designed for easy inspection and unobstructed maintenance access. The high performance system uses an effective combination of swirl-concentrator and flow-control technologies to maximize treatment. Each Vortechs system can be designed in accordance with local regulations or by using the Rational Rainfall Method™. This method combines site-specific information, including local historical precipitation records and laboratory-generated performance data (corroborated by third-party field studies) to ensure accurate long-term performance.

Restrictions, (installation and/or use):

Use of the product, (be specific to CDOT highway activities only):

Post-construction stormwater treatment for urban roadway runoff from public roadways. Removal of roadway pollutants such as suspended solids, oil, etc.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):

The Vortechs system is designed to provide indefinite storm water treatment with regular maintenance. No moving parts, filters, bags, or other components ever need be replaced. Maintenance is cost effective and efficient. The shallow system profile makes installation simple and less expensive than other treatment options. Flexible design fits multiple site constraints.

Specifications, (listing those applicable is required) **& Certificate of Compliance** (required to certify compliance with listed specifications):

- ☐ CDOT :
- ☐ ASTM :
- ☐ AASHTO :
- ☐ FHWA :
- ☐ other :

Product testing, (from national/independent laboratories or universities) **& Certified Test Report** (CTR required to validate all claims):

- ☐ NTPEP-AASHTO :
- ☐ FHWA :
- ☒ other : Effectiveness of a Vortechs Stormwater Treatment System in the Marine Village Watershed, NY (January 2001);
- ☒ other : Environmental Technology Verification Program (Sept. 2005)

State DOT Approvals, (current documentation required):

CT, OR

Sample submitted: ☐ yes ☒ no ☐ n/a | Materials Safety Data Sheets (MSDS): ☐ yes ☐ no ☒ n/a

Notes/Additional Comments

Manufacturer of the Vortechs System was previously Vortechs, Inc. of Scarborough, ME.