COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

Reference No. 2109-00

Materials Laboratory
Colorado Department of Transportation
4201 East Arkansas Avenue
Denver, Colorado 80222

PART 1: Completed by Product Representative
PART 2: Completed by CDOT Product Evaluation Coordinator
PART 3: Completed by CDOT Expert Product Evaluator
PART 4: Completed by CDOT Materials Engineer

PART 1

Product name: Denver Terminal, Boral Class F Fly Ash

Product category: Concrete\Minerals\Fly Ash, Class F

Product representative (name & address):
Boral Material Technologies, Inc. {Rodney Cunningham}
45 N.E. Loop 410, Suite 700
San Antonio, TX 78216
Phone: (800) 964-0951 FAX: (210) 979-6110

Manufacturer (name & address):
Boral Material Technologies, Inc.
9000 E. 90th Street {Plant Location}
Henderson, CO 80640
Phone: (303) 288-8001 FAX: (303) 288-8988

Description of product, (be precise, include product differentiation between your products &/or competitor's products):
Denver Terminal produces a Class F fly ash. This fly ash is obtained from the combustion of Lignite coal.
Denver Terminal's Class F fly ash is from Henderson, Colorado.

Usage of product, (be specific to CDOT highway activities only):
It can be used as a partial replacement of cement in Portland Cement Concrete mixes. It can also be used for soil stabilization projects.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Can improve concrete impermeability, pumpability, finishability, resistance to sulfate attack, durability and can help prevent alkali-aggregate reaction.

Specifications, (identify specifically those applicable) **& Certificate of Compliance** (submittal required):

- ☐ CDOT :
- ☒ ASTM : C 618, Class F
- ☒ AASHTO: M 295, Class F
- ☐ FHWA :
- ☐ other :

Product testing, (national/independent laboratories) **& Certified Test Report** (submittal required):

- ☐ NTPEP-AASHTO:
- ☐ HITEC or FHWA :
- ☐ FHWA or other :
- ☒ other : CTL (Commercial Testing Laboratories)

State DOT Approvals, (current documentation required):

Evaluation Procedure, (recommended):
Ensure that the fly ash meets ASTM C 618 / AASHTO M 295.

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

Notes/Additional Comments
Previously submitted under Product Evaluation Reference No. 934-98.

Manufacturer's Web-site address: www.boralmti.com

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