



June 19, 2013

Mr. Andy Iturriria
 Terra Novo
 2930 Patton Way
 Bakersfield, CA 93308

Re: PEQ# 2013-053
 Section 805.2(a) 1 e
 Product Name – EarthGuard Fiber Matrix
 Supplier Code: **(TERRN)**

Dear Mr. Iturriria:

We are pleased to notify Terra Novo that EarthGuard Fiber Matrix, has been **approved** for listing in Bulletin 15 “Approved Construction Materials”. As a result, this product will be added as shown below.

SECTION 805.2(a) 1 e

Mulching

1. e. 1 Polymer or Hydrocolloid Binder Matrix

SUP. CODE	COMPANY	PRODUCT	TYPE	REF. NO.
TERRN	Terra Novo 2930 Patton Way Bakersfield, CA 93308 Plant Canton, OH 44707	EarthGuard Fiber Matrix	1.e. 1	13-053

This letter may be used as confirmation of Bulletin 15 approval for this product until your facility update appears in Bulletin 15.

It is mandatory that a “Certificate of Compliance”, Form CS-4171, be accurately completed and distributed as directed for all approved products/services shipped to PennDOT projects. Form CS-4171 is enclosed and may be duplicated as needed, or accessed on the PennDOT web site at the following address:

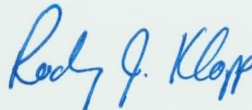
<ftp://ftp.dot.state.pa.us/public/PubsForms/Forms/CS-4171.pdf>.

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All products/services approved by the Pennsylvania Department of Transportation are subject to periodic quality assurance inspections by department staff, including inspections of the manufacturing facility itself. Any potential changes relative to the supplied product/service, such as company name, plant location, material suppliers, manufacturing process, etc. must be reported to this office within ten (10) days. If changes are not reported within the required time, your product will be subject to removal from Bulletin 15.

If you have any questions, please contact Mr. Rodney Klopp, P.E., New Products and Innovations Section at (717) 787-7287 or via email rklopp@pa.gov, and refer to PEQ# 2013-053.

Sincerely,



FOR James P. Tenaglia, P.E., Section Chief
New Products & Innovations Section
Innovation & Support Services Division
Bureau of Project Delivery

Enclosures
CS-4171
CAMMS Report A566576

PROGRAM:S4285150
REPORT: CAMLR510
LIBRARY:CAMSPROD
FINAL REPORT

PENNDOT CAMMS TESTING REPORT
CHEMICAL

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ENGLISH

Ref#:A566576

Lab#:13056201

Pass/Fail: P

Cont #: _____ QA Rtnng: _____ Cntrctr: _____
St P N:09008709000 4814 614 9998 Smp Cls:PE Suplier:NOBULL15
Pr O #: _____ Orgnztn:4814 Lctn Cd: _____
Mtl Cd:425 MULCH State R: _____ JMF #/Y: /
Mtl Ds:PEAT MOSS OR MULCH Section: _____ L/C Xrf: _____
408Y/S: _____ Station: _____ Collctd:05/09/2013
Supl #: _____ Prt Tkt: _____ Setup:06/10/2013
Plc Cl:CANTON, OH Lot Nbr: _____ RcvDock:06/10/2013
Smp By:JEFF WARD # Incrm:01 RcvdLab:06/10/2013
PE/PEQ:13053 447 XRF: _____ Releasd:06/13/2013

TR-447 Remarks: Terra Novo Earthguard Fiber Matrix - 1525 Waynesburg Dr.,
S.E., Canton, OH 44707

Test Code	Description	Inc Ver	Result Description	Result	P/F
304	MOISTURE	1	PER CENT	9.57	P
305	WATER HOLDING CAPACITY	1	PER CENT	1410	P
307	ORGANIC MATTER	1	PER CENT	98.95	P

Ash Content = 1.05 wt%,Maximum per manufacture 7% PASS
By ASTM D586 Note, Organic matter 97% minimum. PASS
Water Holding Capacity= 1410%,Min per manufacture 1200% PASS
By ASTM D7367 408 Section 805 Minimum 1000% PASS
Visual examination of fiber 25% Min.3/8"strand wood. PASS
Moisture Content =9.57% Range per manufacture 9% to 15% PASS
By ASTM D2974 408 Section 805 Maximum 15% PASS
Dye and Bonding agent both confirmed as present. PASS
pH measured = 5.3-5.4 depending upon dilution PASS
Manufacturer's pH range in QC plan is now 5.3 to 7.5.
Company revised QC plan as related to pH 6/12/13.
See Email correspondence with Andy Iturriria and John Ellis dated 6/11/2013.
Material as tested is now in compliance to the QC parameters provided.
PA 408 Section 805.2(a)1.e requirements have been met based upon evaluation of material by PennDOT testing and review of Manufacture provided information examined.
Terra Novo Earthguard Fiber Matrix is recommended for listing in Section 805.2(a)1.e of Bulletin 15.WPK 6/12/2013

This report is authorized by Timothy L. Ramirez, Engineer of Tests.

***** end of report *****

CERTIFICATE OF COMPLIANCE

INSTRUCTIONS TO COMPLETE THE FORM

1. **COUNTY, LR/SR, SEC/SEG, ECMS#**
To be completed by the party that will ship the material to the construction project, otherwise leave blank.
2. **NAME OF MANUFACTURER, FABRICATOR, COATER, PRECASTER OR PRODUCER**
Check appropriate box; either manufactured, fabricated, coated, precasted or produced as appropriate. Also, provide the name and the supplier code of the manufacturer, fabricator, coater or precaster of the material listed in Bulletin #15 or the name and the supplier code of the Producer of material listed in Bulletin # 14, 41 or 42.; to be completed by the party that is shipping approved material to the next destination.
3. **MEETS SPECIFICATION REQUIREMENTS**
To be completed by the party that is shipping approved material to the next destination.
4. **SHIPPED TO**
List the name of the company that material is being shipped to.
5. **LOT NUMBER, QUANTITY, DESCRIPTION OF MATERIAL**
To be completed by the party that is shipping approved material to the next destination.
6. **CHECK THIS BLOCK IF YOUR PRODUCT CONTAINS IRON OR STEEL**
To be completed by the party that is shipping approved material to the next destination.
7. **VENDOR CLASSIFICATION (CHECK ONE BLOCK ONLY)**
If you are a Manufacturer, Fabricator, Coater or Precaster listed in Bulletin #15, or a Producer listed in Bulletin # 14, 41 or 42, check block # 1.

If you are a *Distributor, *Supplier or *Private Label Company of Bulletin #15 items, check block # 2.
(* - These categories are not eligible for listing in Bulletin #15, however, you may provide material for PennDOT projects on condition that the material being shipped is listed in Bulletin #15.)
8. **CERTIFICATION REQUIREMENTS, Name, Title, Date, Company Name, and Signature**
Enter the required information and sign the Certificate of Compliance form.
9. **COMPLETE LINE # 9 ONLY IF YOU CHECKED BLOCK # 2 ON LINE # 7, OTHERWISE LEAVE BLANK**
List company that sold the material to you. (Company Name)

IN ADDITION:

2. & 5. Private Label Companies who complete the Certificate of Compliance form CS-4171 must identify the true manufacturer (Line 2) and the approved material (Line 5) as it is listed in Bulletin # 15 under that manufacturers listing.

After completing the Certificate of Compliance form CS-4171, maintain the original at your company's location. A copy of the Certificate of Compliance form must accompany your material shipment to its next destination. Also, if you receive material shipments from other companies related to PennDOT projects, the accompanying Certificate of Compliance forms must be kept on file at your location. These files must be available for inspection and verification by a Department Representative for a period of not less than THREE years from the date of the last shipment.



CERTIFICATE OF COMPLIANCE

1. **◆COUNTY:** _____ **◆LR/SR:** _____ **◆SEC/SEG:** _____ **◆ECMS#:** _____
(◆ - To be completed by the party that will ship the material to the project, otherwise leave blank.)

2. I / WE hereby certify that the material listed on line 5 was:

Manufactured Fabricated Coated Precasted Produced

By _____
(Name of Manufacturer, Fabricator, Coater, Precaster or Producer) (Supplier Code)

3. and the party listed above certifies that the material(s) on line 5 meets the requirements of **Publication 408**, Section(s) _____
AASHTO, ASTM, Federal or other designation _____

4. The material listed below is being shipped to: _____
(Company Name)

5. LOT NO.	QUANTITY	APPROVED MATERIAL AS LISTED IN BULLETIN # 14 or 15 BULLETIN # 41 or 42 PRODUCERS, LIST HMA / PCC JMF.

6. **CHECK HERE IF YOUR PRODUCT CONTAINS IRON OR STEEL (AND check one of the following boxes, as appropriate.)** I / WE certify the material identified above conforms with Section 106.01 of Publication 408 as indicated below.

'Identifiable Steel' or Fabricated Structural Steel (Section 1105). Either Steel products that contain permanent markings that identify that the material was melted and manufactured in the United States or which have received in-plant inspection by the Department or a Department representative where verification of Mill Test reports was performed to verify conformance with the PA Steel Procurement Act. **Only Form CS-4171 is required.**

'Unidentified Steel' – Attach supporting documentation including invoices, bills of lading and mill test reports that positively identify that the steel was melted and manufactured in the United States.

All **manufacturing processes** including coatings application (e.g. epoxy, galvanizing, or painting) have occurred in the United States and we are maintaining copy(s), in our files in accordance with Section 106.03(b)3. Note: While coating materials themselves are not covered by Buy America, the application of these materials on steel or iron must occur in the United States.

7. **VENDOR CLASSIFICATION (CHECK ONE BLOCK ONLY) -**

#1 **Manufacturer, Fabricator, Coater, Precaster Listed in Bulletin # 15, or Producer Listed in Bulletin # 14, 41 or 42**

I certify that the above statements are true and to the best of my knowledge, fairly and accurately describe the product(s) listed.

#2 **Distributor, Supplier or *Private Label Company Not Listed in Bulletin # 15. Also, complete line 9**

I certify that the material being supplied is one and the same as provided to us by the manufacturer listed on this document and quantities listed above are accurate.

8. **NAME (print) :** _____ **TITLE:** _____

COMPANY NAME : _____

SIGNATURE : _____ **DATE:** _____

By Responsible Company Official (**QC Staff only if you checked block #1 on line 7**)

9. List company that sold you the material(s) documented above: _____
(Complete if you checked Block # 2 on line # 7, otherwise leave blank.) (Company Name)