

## **CONSERVATION PRACTICE STANDARD**

### **ROOFS AND COVERS**

**(No.)**

**CODE 367**

#### **“PA WAIVER FOR FABRIC ROOF MINIMUM THICKNESS”**

As per attached document, the Director of the Conservation Engineering Division has approved PA to set the minimum thickness criteria for fabrics used on roofs to be 23 mil.

Thickness requirements for flexible or composite geomembrane cover minimum thickness criteria of 40 mils for non-reinforced material and 36 mils for reinforced material geomembrane covers in the conservation practice standard is based on biogas collection.

United States Department of Agriculture



Natural Resources Conservation Service  
P.O. Box 2890  
Washington, D.C. 20013

2012 JAN 12 PM 1:52

JAN - 9 2011

SUBJECT: ENG – Variance Request, Conservation Practice Standard 367,  
Roofs and Covers – Pennsylvania

TO: Hosea Latshaw, P.E.  
State Conservation Engineer  
Harrisburg, Pennsylvania

File Code: 210

Your request of December 20, 2011, for a variance from the National Conservation Practice Standard (CPS) Code 367, Roofs and Covers, to allow the use of a membrane cover of 23 mil typical thickness for non-biogas collection purposes is granted.

The flexible or composite geomembrane cover minimum thickness criteria of 40 mils for non-reinforced material and 36 mils for reinforced material geomembrane covers in the conservation practice standard is based on biogas collection.

CPS Code 367, Roofs and Covers (formerly titled Waste Facility Cover) was completely revised and released in September, 2010. With newly released practice standards, we want to ensure that our standards provide the optimal balance between meeting site-specific conservation needs and minimizing risks of design failure and associated costs of construction and installation.

Please provide feedback on the 23 mil membrane cover and other suggestions for future revision needs of the standard. Such information will help us build the practice documentation file and provide support for new criteria of the national standard during the next revision. This variance shall remain in effect until the national standard is revised or monitoring in the State indicates the thinner cover is inadequate.

We appreciate your efforts to ensure that appropriate procedures and policies are being followed for the implementation of engineering conservation practices in Pennsylvania. If you have any questions or require further information, please contact the national environmental engineer at (202) 720-4485.

A handwritten signature in black ink, appearing to read "Noller P. Herbert", with a long horizontal line extending to the right.

NOLLER P. HERBERT, P.E.  
Director  
Conservation Engineering Division

cc: Denise Coleman, State Conservationist, NRCS, Harrisburg, PA  
Darren Hickman, National Environmental Engineer, NRCS, Washington, D.C.

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