Sustainable Technology Evaluation and Demonstration (STED) Program

Biobased Pavement Marking Paint Demonstration

Technology Description

Waterborne soy alkyd pavement marking paint that uses biobased materials in place of petroleum-derived components.

Potential Impact

- Reduce petroleum consumption by at least 30%.
- Low VOC (<85 g/L).
- Less hazardous to workers and the environment than solvent-borne paints.
- Easy cleanup, less downtime; No hazardous waste disposal.
- Comparable or improved durability, chemical resistance, dirt repellency, and color retention
- Excellent shelf life for extended storage

Benefits

- Less hazardous compared to solvent-borne paints.
- Compatible with conventional application equipment.
- BioPreferred Product Category: expand markets for domestic agricultural products.

Planned Sites

- Ft. Drum
- USAG West Point
- Dugway Proving Ground
- JBLM
- NS Norfolk
- NS Mayport

Biobased Marking Paint

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