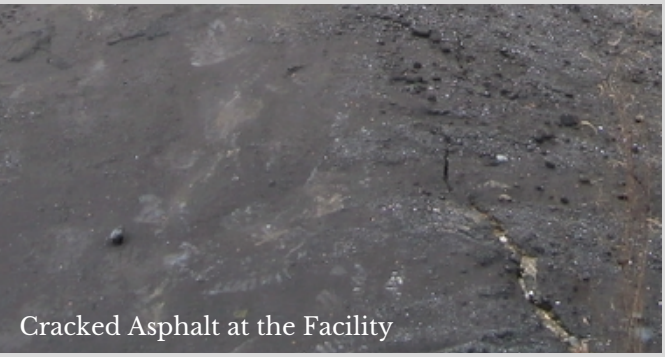
GEO PRODUCTS
CONCRETE CANVAS®

CASE STUDY
Washington, USA

BERM LINING | CASE STUDY

PRODUCT AMOUNT
55,973 square feet

PROJECT DURATION
7 Days | Installed by 8 Workers



Cracked Asphalt at the Facility

Concrete Canvas® GCCM (CC) was used to protect and provide erosion control at a refinery site in Washington. Previously, asphalt had been used to protect the berm, however, this required a high maintenance costs due to re-coating every 5-7 years to repair cracking, as well as patch repair work throughout the year.

*Geosynthetic Cementitious Composition Mat

CC has a 50 year lifespan and requires little to no maintenance, promising significant cost savings. Additionally, CC offers hydrocarbon resistance to BS: 14414, as well as UV resistance and weed suppression to not only reduce costs, but prevent fire hazards that vegetation can pose within refinery sites.

CC was installed by placing the rolls at the crest of the berm and unrolled down one side at a time. This process was repeated with a 4inch overlap created between the layers, which was then sealed with Sika 1-A sealant, and screwed using self tapping screws at 12 inch intervals.

Over 55,000 square feet of CC was installed by at team of 8 in just 7 days, resulting in drastically reduced maintenance costs, improved impermeability and fire resistance of the berm. This client was "very happy" with the outcome and are looking to install CC on other berms in their vast oil and gas network.

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