ITL RCR® | EROSION CONTROL TANK BATTERY PAD

Ground work preparation prior to RCR® Installation

RCR® installation to redirect water runoff and prevent further erosion.

PROJECT OVERVIEW

At a tank battery site in Eddy County, New Mexico, hillside stormwater runoff had caused severe erosion and damaged part of the battery pad. **Tex-Mex Construction, Inc.** used ITL Reinforced Concrete Roll® (RCR®) to armor a diversion berm and swale system before the approaching monsoon season.

PROJECT GOAL

- Protect the tank battery pad from stormwater runoff and erosion damage.
- Armor the berm and swale system with a durable hard armor solution.
- Complete installation quickly in a remote location before seasonal storms arrived.

KEY TAKEAWAYS

- Installed and hydrated in two days by a crew with no prior RCR experience.
- Reduced labor and logistics compared to rip rap or traditional concrete.
- Helped protect the tank battery pad from future erosion, downtime, and repair costs.

Rapid Deployment Ahead of Monsoon Season

The tank batteries were located near the bottom of a hillside, where stormwater runoff had already caused major erosion and damaged part of the pad. To redirect future flows, a protective berm was built along the uphill side of the site using native material, with a swale placed above it to move water downhill around the pad.

Both the berm and swale needed a hard armor surface before monsoon season arrived. Rip rap and traditional concrete were considered, but the remote location made concrete logistics difficult and costly. ITL Reinforced Concrete Roll® was installed and hydrated in two days by a crew with no prior experience in RCR application. No specialized training or equipment was required.

Protecting the Pad from Future Runoff Damage

Once hydrated, ITL RCR® formed a durable erosion control surface over the berm and swale. The material also allowed the crew to work around multiple pipe penetrations in the channel while preserving the intended flow path around the tank battery pad.

For remote oilfield sites, erosion damage can quickly become a maintenance or downtime issue. By armoring the diversion system ahead of seasonal storms, Tex-Mex Construction helped reduce future repair risk while finishing under budget through faster deployment and lessened labor requirements.

Inland® TARP & LINER

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Compacted subgrade preparation prior to RCR® Installation

Installing RCR®

Close up of panel overlap

Seam welding with handheld heat torch

Hydration

Scope of project to redirect runoff and prevent further erosion