

## Secondary Containment - One Day Install with Time to Spare

Texas City, TX - July 2009

Texas New Mexico Power Co. had 34 old substations (40+ years) to retrofit with secondary containment. The first substation, Tejas, was in the gulf coast region on virtually flat land. The client chose the C.I.Agent<sup>®</sup> Barrier Boom System because he felt it was the fastest and easiest way to meet the SPCC regulations. Prior to a purchase order being cut, a meeting was held with the C.I.Agent Solutions' agent, the contractor, and the client. The three discussed the client's needs, the layout of the substation, and the installation procedures. This information was invaluable to the contractor who was then able to understand his roll and bid a reasonable price to the client.

The client chose to berm two sides of the substation with C.I.Agent<sup>®</sup> Barrier Boom and two sides with limestone. He also wanted to build a truck ramp for each transformer for easy access.

July 22, 2009 The client and contractor built the limestone berm on two sides of each transformer. They then laid out the C.I.Agent<sup>®</sup> Barrier Boom on the ground.

July 23, 2009 8:00 a.m. -Three men positioned the Barrier Boom and staked it in place. An angle iron, resting on the stakes, was put over the vertical Barrier Boom to prevent crushing when the gravel was poured. As the dike formed, stone was raked into position over the Boom. Within 48 minutes, 12 tons of gravel covered 60 feet of Barrier Boom. Additional stone was ordered to finish the job. The contractor estimated another two hours for the crew to complete the containment and true up the sides and top of the berms. Additional time would be required for the installation of the two truck ramps. The contractor finished the substation in one day and the equipment remained energized throughout the install.



*C.I.Agent<sup>®</sup> Barrier Boom staked in place.*



*An angle iron is held in place over the Barrier Boom while gravel is poured on both sides of the Boom.*



*Workers rake the finishing touches on the dike.*



*SPCC compliant containment in one day.*

**Benefit Summary:** The initial meeting between all parties allowed issues to be ironed out, which lead to an extremely fast turnaround time for the project. The client's request to install truck ramps will alleviate premature wear-n-tear on the C.I.Agent<sup>®</sup> Barrier Boom, thus allowing it to provide complete protection for the life of the equipment it protects.

After witnessing first hand the ease of which the C.I.Agent<sup>®</sup> Barrier Boom System installed, the highly satisfied client awarded both the contractor and C.I.Agent Solutions<sup>®</sup> additional substation installations.