



Quantum Environmental & Engineering Services, LLC

EXAMPLE PROJECT

Cellulosic Ethanol Plant – Integrated Contingency Stormwater Pollution Prevention Planning

QE² was contracted by a joint venture between two chemical manufacturers that have aligned to deliver end to end production solutions for cellulosic ethanol production. Under the contract, QE² was requested to provide integrated contingency planning and stormwater pollution planning documents. The purpose of the plans is to manage hazardous materials and processes in a manner that complies with Federal, State and local rules and minimizes the potential for human health and environmental risks.

QE² developed the Integrated Contingency Plan (ICP) for the joint venture. The purpose of the plan is to have comprehensive emergency response guidelines to orchestrate emergency incident management in accordance with all local, State and Federal laws. The ICP provides instructions, communication, and roles and responsibilities to safely and responsibly respond to any emergency or chemical release so that any impact to the immediate environment and community can be minimized. The ICP identifies all processes, materials, and plant infrastructure for which emergency considerations might be related or required. The overall goal was to develop a broadly constructed plan to allow for the facility to respond to physical and chemical hazards associated with events such as chemical releases, oil spills, fires, explosions and natural disasters. Most important is to construct the plan in such a fashion that employees can organize a response with a simple straightforward regimen that emphasizes safety, efficiency and effective communication.

The plan follows the outline provided in the ICP guidance and is consistent with requirements of the National Incident Management System (NIMS) Incident Command System. The plan is also developed to streamline and reduce paperwork, so that the plan can be easily managed under emergency circumstances.

