



Project:

LIMA E-Pond BRITISH PETROLEUM

North American Wetland Engineering

LOCATION

Lima, Ohio

PROJECT TYPE

Industrial

WASTE TYPE

COMPLETION DATE

2003

DESIGN FLOW

TREATMENT

18 Acre Prairie Restoration

NEED

As part of the remedy at the Lima Refinery, BP capped a former hazardous materials storage area. The site remedy called for creation of a prairie habitat on top of the soil cap. A previous native prairie seeding attempt at the site had been unsuccessful. Less than 5% of the site had prairie plants germinating the year after the initial planting.

SOLUTION

NAWE worked with URS and BP staff to properly prepare the site. Grasses and forbs native to western Ohio were planted with a Truax seed drill. Periodic mowing and spot herbicide application was implemented over the first two growing seasons so that prairie plants could become fully established. NAWE developed a plan to control cool season grasses and to manage the growth of cottonwood seedlings, teasel and other pioneer and invasive species. By implementing this plan, prairie species are established over 95% of the site and are thriving today as a low maintenance landscape.

BENEFIT

The prairie restoration was fully successful in meeting the site remedy goal. The site has fulfilled the permitting requirements of the state and BP has also developed a walking trail alongside the prairie and river as an educational tool for native habitats. Prairie grasses and forbs are fully established at the site, which is used extensively by wildlife.



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