CALPUFF

PROJECT: White Oak Energy Center, Danville, VA

CLIENT: BEST Consulting

Epsilon conducted Class I impact analyses for a proposed power plant in Virginia using the CALMET meteorological model and the CALPUFF dispersion/deposition model. Three impact analyses were conducted for two Class I areas, James River Face Wilderness Area and Shenandoah National Park. Air quality impacts of SO_2, PM_{10} and NO_x concentrations were evaluated. Total sulfur and nitrogen deposition in the Class I areas were assessed and a visibility impact assessment was performed for each Class I area.

PROJECT: Indeck Energy Services, Elwood, IL

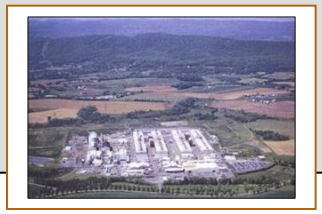
CLIENT: Indeck Energy, Buffalo Grove, IL

Epsilon performed a CALPUFF modeling and risk assessment for a 700 MW proposed coal-fired power plant. Analysis included assessment of deposition of nitrogen and sulfur on sensitive prairie flora, including a rare clover. The project included reconciliation of protocols with the U.S. EPA, U.S Fish and Wildlife, the Midewin National Prairie and Illinois EPA.

PROJECT: Eastalco Works, Frederick, MD

CLIENT: Alcoa

Epsilon performed meteorological and air quality dispersion modeling in support of a multi-site evaluation for a proposed grey and ductile iron foundry project in Tennessee using the CALMET and CALPUFF models. Ambient pollutant concentrations, wet and dry deposition, and visibility impacts at four Class I areas from long range transport were evaluated.



PROJECT: Mantua Creek, NJ

CLIENT: PG&E

Epsilon conducted Class I impact analyses for a proposed electric generating facility in New Jersey using the CALPUFF model in screening mode. IWAQM recommendations were followed in assessing the impacts at Brigantine National Wildlife Refuge. A visibility impairment assessment was performed, and total nitrogen deposition in the Class I area was modeled.