CASE HISTORY NO. 2-7

COVERING AND SEEDING COAL REFUSE PILE

Vegetative cover established on covered refuse pile to minimize erosion.

MINING METHOD: Surface

LOCATION: Western Kentucky Coal Field, Hopkins County, Kentucky. Carbondale Formation, Seams 9, 11 and 12.

RESULT ACHIEVED: Acid water runoff from refuse pile to stream minimized.

DESCRIPTION: Old refuse pile in valley, compacted and graded on 23.2 acres. Cost of covering 23.2 acres of coal refuse with average of 3 ft. of overburden materials and soil:

Cost Breakdown	Per Acre	Total
Dirt Moving	$343.06	$7,959.06
Establishment of Vegetative Cover	95.73	2.220.97
	$438.79	$10,180.03

The spoil and soil used for covering the refuse pile were available immediately adjacent to the refuse dump which reduced the costs of earth moving. The covering material was moved with a self-propelled scraper pan and leveled off with a road maintainer. The covering material was native acid soil of sandstone origin and spoil. It was heavily limed with a lime-spreader truck, fertilized and drill-seeded to Balboa rye and Kentucky 31 fescue. Later on in the late winter it was also seeded to Korean lespedeza.