Database and Model of Coal-fired Power Plants in the United States for Examination of the Costs of Retrofitting with CO₂ Capture Technology

Appendix 3
Catalog of Power Plant Retrofit Imagery

All images at 1:7,000 scale
Lake Road (MO): 150.5MW, Saint Joseph, MO
Labadie: 2389.4 MW, Labadie, MO
45% load factor, 9% unit, Spread ECR. Missouri nuclear site.
San Juan: 1848.004MW, Waterflow, NM
570 ash basins, 24.5, 1.5 x 3.5 x 1.5 meters ash basins, 36 x 48 x 18 meters ash basins
W H Weatherspoon: 165.5MW, Lumberton, NC

66% Landscape: 3%

Vane-accurated FCR and back-up

[Diagram of a location with labeled areas]
Avon Lake: 766MW, Avon Lake, OH
80% Landscape: 20% Not much room between plant and river.
Gallatin (TN): 1255.2 MW, Gallatin, TN
50% load factor, 30% years under contract EGP
Johnsonville (TN): 1485.2MW, New Johnsonville, TN
30% Landscapes: 0%, 10 Units all need EGR. Must move substation.
White Bluff: 1700MW, Redfield, AR
Rush Island: 1242MW, Festus, MO
10% Landscape: 9% Grounded EGR and letdown turbines
Harrington: 1080MW, Amarillo, TX
30% Landscape: 0%
Crowded FGD, must move cooling towers
Nucla: 113.8MW, Nucla, CO
20% Landscapes, 8% Munt muse, coal mine, and substation.
Big Bend (FL): 1822.5MW, Apollo Beach, FL
Deerhaven Generating Station: 250.7MW, Paradise, FL
Paradise (KY): 2558.2 MW, Drakesboro, KY
33% Landscape: 0%
2088 Centennial Hardin (MT): 115.7MW, Hardin, MT
9% Landscape: 0%