JOC OXY-FUEL IPR* SYSTEM DETAIL: CLEAN COAL POWER GENERATION

*Integrated Pollutant Removal (IPR™) System, NETL US DOE

COAL SUPPLY

AIR SEPARATION UNIT

COAL FEEDER & PULVERIZER

OXYGEN SUPPLY

FLUE GAS RECIRCULATION

OXY-FUEL BURNER & FLAME

HEAVY PARTICULATE REMOVAL

PM Removal

Fly Ash Removal

SO₂, H₂O Removal

WET HEAT EXCHANGER

DRY HEAT EXCHANGER

CO₂ CAPTURE

POWER GENERATION

1 Compressor

2 Compressor

Water Recycling

Water Recycling

CO₂ Capture

FLUE GAS RECIRCULATION

LATENT HEAT RECOVERY

O₂ PIPELINE

WATER RECYCLING

CO₂ PIPELINE

CO₂ UNDERGROUND STORAGE AND USE

- Specific Geological Formation
- Enhanced Oil/Natural Gas Recovery

JUPITER OXYGEN CORPORATION

WWW.JUPITEROXYGEN.COM