

Visual Opacity Control and SO₃ Reduction Using UtiliMag® 40

585 MW Boiler with SCR burning 0.9% Sulfur oil

Without Treatment



- 15+ % Visual Opacity
- 12.0 ppm-v SO₃
- No MgO injection

With UtiliMag® 40 MgO Injection



- 5 % Visual Opacity
- 1.5 ppm-v SO₃
- 0.5 MgO : 1.0 SO₃ molar treatment
- Back End Injection after Air Heater

Martin Marietta Magnesia Specialties, LLC

2700 Wycliff Road, Suite 320
Raleigh, North Carolina USA
Phone: (800) 648-7400
www.magnesiaspecialties.com



UtiliMag® is a trademark
of Martin Marietta Magnesia Specialties, LLC

Produced under a Quality Management System certified
to ISO 9001:2015 by PRI Certification Registrar