



US EnviroPur's Remedial Coal Solutions Treatment Results

All testing was completed by Certified Independent Laboratories.

The standard BTU testing procedure is to dry all samples to the same moisture content prior to being analyzed ensuring that any BTU enhancement is due to the chemical treatment of the coal.

Testing was conducted on both Run of Mine Coal (ROM) and Waste Coal.

Reductions in Arsenic, Mercury, and Sulfur are shown in **Red**, Increases in BTU values are shown in **Green**
Specific Tests were conducted on each sample as per the coal provider's request.

Powder River Basin

Coballo Mine (ROM)

	Pre	Post	%Change
Mercury	.07	<.02	(71%)
BTU	8,687	11,940	37%
SO₃ in Ash	14.1%	0.20%	(98%)
Reduction in most Alkaline Oxides (ash analysis)			

Powder River Basin

Jacobs Ranch Mine (ROM)

	Pre	Post	%Change
Mercury	.02	.02	0%
BTU	8,952	11,830	33%

Northern Appalachian Basin

West Virginia (Waste Coal)

	Pre	Post	%Change
Mercury	.31	.25	(19.4%)
Pyretic Sulfur	3.98	1.35	(66.1%)
BTU	7,280	10,500	31%

Southern Appalachian

Black Warrior Basin (ROM) (Arsenic Problem)

	Pre	Post	%Change
Mercury	.10	.03	(70%)
Arsenic	60.2	26.6	(55.9%)

Greece

Greek Lignite (ROM)

	Pre	Post	%Change
Mercury	.04	<.02	(50%)
Total Sulfur	2.01	1.47	(26%)
BTU	3,705	6,702	80%

Southern Appalachian

Black Warrior Basin

American #2 Mine (ROM)

	Pre	Post	%Change
Mercury	.02	ND	(100%)
Organic Sulfur	1.14	.96	(15.8%)
Pyretic Sulfur	2.77	1.86	(32.8%)
Sulfate Sulfur	.04	.02	(50%)

Illinois Basin

Waste Coal

	Pre	Post	%Change
Arsenic	14	ND	(100%)
Mercury	.31	.28	(9.7%)
Total Sulfur	3.98	1.44	(63.8%)
BTU	7,280	9,840	35%

Southern Appalachian

Black Warrior Basin

Brook Wood Mine (Waste Coal)

	Pre	Post	%Change
Organic Sulfur	.53	.49	(7.5%)
Pyretic Sulfur	.94	.85	(9.5%)
Sulfate Sulfur	.04	.02	(50%)