Spin 3 3/4
Inner 1

ABT- predicted outer air register settings for air flow balancing

4/20/04

NOTE: U2 Spring Outage, 3/2004 ABT burners replaced and BPI overfire air added plus installed windbox baffles

$\Delta P_{WB} = .8$

UNIT 2			Outer Air Register settings initial	4/30/04					Outer Air Register settings initial	4/30/04	
Front	Pulv	1	8.1	6.5		Rear	Pulv	1	9.2	7.4	
		2	7.8	6.0				2	8.8	6.8	
	E	3	7.6	5.6	min		D	3	8.6	6.4	smokey
		4	7.6	5.8				4	8.6	6.6	
		5	7.8 3.5	6.1 4.8				5	8.8 3.3	7.0 4.0	
		6	8.1	6.8				6	9.2	7.7	
	Pulv	1	8.7	7.4			Pulv	1	9.9	8.4	
		2	8.4	6.8				2	9.5	7.7	
	A	3	8.2	6.4			H	3	9.3	7.3	
		4	8.2	6.6				4	9.3	7.4	
		5	8.4 3.5	7.0 4.2				5	9.5	7.9	
		6	8.7	7.7				6	9.9	8.8	
	Pulv	1	8.5	6.7			Pulv	1	9.6	7.6	
		2	8.1	6.1				2	9.2	6.9	smokey
	F	3	8.0	5.8			C	3	9.0	6.6	
		4	8.0	5.9				4	9.0	6.7	
		5	8.1 3.4	6.3 4.2				5	9.2 3.7	7.1 4.6	
		6	8.5	7.0				6	9.6	7.9	
	Pulv	1	9.7	8.4			Pulv	1	11.0	9.6	
		2	9.3	7.7				2	10.6	8.7	
	B	3	9.1	7.3			G	3	10.3	8.3	
		4	9.1	7.4				4	10.3 2.5	8.5 3.4	
		5	9.3 3.0	7.9 3.8				5	10.6	9.0	
		6	9.7	8.8				6	11.0	10.0	max
	ave (front)		8.4	6.8			ave (rear)		9.6	7.8	
							ave (total)		9.0	7.3	

Initial Outer Register Setting Reference (max setting on rear- 1st, row, outer)	initial 11.0	4/30/04 10.0 1000	4/30 1200

BIAS:

Front to Rear BIAS	Front	0.88	~~0.88~~ .85	
push to rear wall	Rear	1.00	1.00	

pushing air to outer

	outer (1/ 6)	inner (2/ 5)	center (3/4)
Inner to Outer Burner BIAS (w/ w/ baffles	1.00	0.96	0.94
	1.00	~~0.95~~ .92	~~0.92~~ .88

still low

	6 (west)	5	4	3	2	1 (east)
Side to Side Bias	1.00	1.00	1.00	1.00	1.00	1.00
push from east to west	1.00	0.95	0.92	0.90	0.92	0.96

Top to Bottom BIAS	4th- E/ D	0.88	0.86	.82
push to bottom	3rd- A/ H	0.90	0.88	.85
	2nd- F/ C	0.92	0.88	.85
	1st- B/ G	1.00	1.00	

Windbox Sizing Bias (rows 1&	2nd & 4th	0.95	0.90
	1st & 3rd	1.00	1.00

Spin 3 3/4 to 4 1/2
Backwall 6th Burner

add Results

RWOC R-2 ~~.90~~ .85
B 1.087