AQD #17 "A" and "B" Calciners
Compliance Testing - December 2006

DATE: 12/7/06 — **Ammonia Slip and SO_2 Testing**

OPERATIONAL DATA

	Run #1	Run #2	Run #3	
Start Time:	10:48	12:42	14:27	
Stop Time:	12:00	13:52	15:39	Average
Production Rate TPH	285	284	282	283.7
Urea Injection Rate GPH	11.0	12.5	13.7	12.4
Opacity	2.5	3.1	2.5	2.7

PRECIPITATOR DATA

	Field #1		Field #2		Field #3		Field #4		Field #5		Field #6	
EP-1	Secondary Voltage kV	Secondary Current mA	Secondary Voltage kV	Secondary Current mA	Secondary Voltage kV	Secondary Current mA	Secondary Voltage kV	Secondary Current mA	Secondary Voltage kV	Secondary Current mA	Secondary Voltage kV	Secondary Current mA
12/7/2006 10:00	32.5	982.9	32.1	1111.8	30.3	1398.0	32.0	1376.2	33.0	1405.7	32.5	1290.2
12/7/2006 11:00	32.3	998.2	32.3	1150.2	30.0	1395.1	31.4	1374.6	32.9	1405.2	32.0	1305.4
12/7/2006 12:00	32.1	1000.1	32.3	1164.0	30.0	1396.2	31.0	1375.3	32.1	1404.3	32.0	1308.4
12/7/2006 13:00	32.2	999.8	32.2	1149.8	30.0	1394.8	31.0	1374.5	32.3	1405.3	31.8	1313.4
12/7/2006 14:00	32.1	1003.9	31.9	1120.0	30.0	1393.6	31.0	1374.3	32.4	1404.0	32.0	1314.3
12/7/2006 15:00	32.2	1000.9	32.8	1166.5	30.0	1396.6	31.2	1374.5	32.8	1405.2	32.0	1311.5
12/7/2006 16:00	32.1	1006.2	32.0	1122.6	30.2	1394.7	31.3	1373.5	32.4	1406.0	32.1	1316.4
EP-2												
12/7/2006 10:00	39.9	1000.7	32.0	672.8	32.6	1370.1	32.0	1399.3	33.0	1392.3	24.0	1410.6
12/7/2006 11:00	39.8	1005.8	32.0	674.6	32.1	1369.9	32.0	1399.1	32.6	1392.6	24.0	1409.5
12/7/2006 12:00	39.8	1001.7	32.0	669.7	32.0	1370.9	32.0	1399.8	32.2	1393.0	24.0	1410.9
12/7/2006 13:00	39.8	1003.6	32.0	672.0	32.1	1371.0	32.0	1399.9	32.1	1392.5	24.0	1409.0
12/7/2006 14:00	39.5	1011.6	31.8	675.7	32.0	1369.7	32.0	1399.4	32.0	1390.8	24.0	1409.6
12/7/2006 15:00	39.8	1007.4	31.9	675.4	32.0	1370.1	32.0	1399.2	32.1	1393.3	24.0	1409.5
12/7/2006 16:00	39.5	1016.3	31.5	680.7	32.0	1368.3	32.0	1398.0	32.0	1390.1	24.0	1409.8

AQD #17 "A" and "B" Calciners
Compliance Testing - December 2006

DATE: 12/8/06 — **PARTICULATE TESTING**

OPERATIONAL DATA

	Run #1	Run #2	Run #3	
Start Time:	7:46	10:19	12:42	
Stop Time:	9:16	11:48	14:14	Average
Production Rate TPH	271	281	285	279.0
Opacity	2.3	2.2	2.5	2.3

PRECIPITATOR DATA

	Field #1		Field #2		Field #3		Field #4		Field #5		Field #6	
EP-1	Secondary Voltage kV	Secondary Current mA	Secondary Voltage kV	Secondary Current mA	Secondary Voltage kV	Secondary Current mA	Secondary Voltage kV	Secondary Current mA	Secondary Voltage kV	Secondary Current mA	Secondary Voltage kV	Secondary Current mA
12/8/2006 7:00	31.6	1017.1	32.0	1159.2	29.9	1393.7	31.0	1373.0	32.0	1404.3	31.8	1324.0
12/8/2006 8:00	31.8	1012.0	32.4	1151.2	29.9	1394.2	31.0	1371.4	32.1	1405.7	31.8	1327.0
12/8/2006 9:00	31.7	1012.3	32.2	1166.7	29.5	1393.4	30.7	1371.2	32.1	1404.2	31.8	1328.0
12/8/2006 10:00	32.0	1007.7	32.0	1161.7	30.0	1397.6	31.0	1374.5	32.0	1403.1	32.0	1313.8
12/8/2006 11:00	32.0	1015.1	32.0	1175.0	29.7	1392.7	31.0	1371.7	32.0	1404.8	32.0	1328.3
12/8/2006 12:00	31.9	1008.0	32.0	1169.6	29.5	1395.9	30.7	1373.9	32.0	1404.6	31.8	1314.9
12/8/2006 13:00	32.0	1005.3	31.8	1152.3	29.4	1396.7	30.7	1374.4	32.0	1404.0	31.7	1316.9
12/8/2006 14:00	32.3	987.7	32.4	1143.3	29.9	1397.1	31.0	1375.0	32.1	1404.0	32.0	1308.4
12/8/2006 15:00	32.2	990.2	32.7	1144.8	30.0	1397.0	31.0	1374.9	32.0	1404.0	32.0	1314.8
EP-2												
12/8/2006 7:00	39.0	1027.5	31.0	682.3	32.0	1367.9	31.9	1398.0	32.0	1390.3	24.0	1409.3
12/8/2006 8:00	39.2	1018.9	31.0	680.7	32.0	1368.1	32.0	1397.7	32.0	1389.0	24.0	1411.4
12/8/2006 9:00	39.3	1020.0	31.2	680.5	32.0	1369.6	32.0	1397.8	32.0	1390.2	24.0	1410.7
12/8/2006 10:00	39.8	1000.8	31.8	671.9	32.1	1372.1	32.0	1399.0	32.0	1393.8	24.0	1410.3
12/8/2006 11:00	39.6	1013.3	31.9	678.0	32.0	1368.6	32.0	1398.0	32.0	1391.1	24.0	1410.3
12/8/2006 12:00	39.6	1001.6	31.9	667.2	32.5	1373.2	32.0	1400.5	32.2	1393.9	24.0	1410.0
12/8/2006 13:00	39.5	1004.7	31.6	669.9	32.1	1372.7	32.0	1400.1	32.0	1394.6	24.0	1410.7
12/8/2006 14:00	40.2	979.6	32.2	660.6	32.7	1376.3	32.5	1401.4	32.5	1395.9	24.2	1409.0
12/8/2006 15:00	40.0	984.6	32.0	665.2	33.0	1374.9	32.0	1400.6	32.2	1394.9	24.0	1409.0

EI_B1EP003_AB_PV	40	:: Bad tag 'EI_B1	40	40	41	40	40
II_B1EP003_AB_PV	593		614	604	608	604	606
EI_B1EP003_BB_PV	44	:: Bad tag 'EI_B1	44	43	44	0	43
II_B1EP003_BB_PV	630		625	630	626	0	620
EI_B1EP003_CB_PV	44	:: Bad tag 'EI_B1	0	43	43	43	0
II_B1EP003_CB_PV	618		0	617	614	614	0
EI_B1EP003_DB_PV	37	:: Bad tag 'EI_B1	37	0	37	0	37
II_B1EP003_DB_PV	602		603	0	603	0	605
EI_B1EP003_EB_PV	40	:: Bad tag 'EI_B1	40	40	0	40	0
II_B1EP003_EB_PV	611		607	610	0	609	0

Date (compliance)	Parameter	Run No.	Start	Stop
8-Aug	Particulate	1	1303	1433
	SO2	1	13:06	14:05
	NH3	2	1500	1620
	SO2	2	1501	1600
	Particulate	2	1645	1805
	SO2	3	1646	1745
9-Aug	NH3	3	0745	0906
	Particulate	3	0933	1053
	NH3	4	1119	1242

Date (CAM)	Parameter	Run No.	Start	Stop
8-Aug	Particulate	1	1303	1433
	Particulate	2	1645	1805
9-Aug	Particulate	3	0933	1053
	Particulate	4	1351	1513
	Particulate	5	1615	1734
10-Aug	Particulate	7	1048	1206
	Particulate	8	1450	1609
11-Aug	Particulate	9	0752	0912
	Particulate	11	1320	1444
	Particulate	12	1535	1644

AQD #18
(#1 Coal Fired Boiler - BO-1)

	8/29/2005			OPERATIONAL DATA			8/30/2005
	Run #1	Run #2	Run #3	Run #4	Run #5	Run #6	Run #7
Steam Load #	206352	212228	229034	227194	200594	200675	211400
Opacity	4.10	3.90	3.80	3.70	4.00	4.20	4.30
Total Inorganic Particulate, lb/hr	4.0	2.4	1.91	1.72	3.07	2.43	3.71
Permitted Emission Rate lb/hr	5.0						

PRECIPITATOR DATA

	Run #1	Run #2	Run #3	Run #4	Run #5	Run #6	Run #7
FIELD 1							
PRIMARY CURRENT Amp AC	98	98	98	98	98	100	98
SECONDARY VOLTAGE Kilovolts DC	41	41	41	39	41	40	40
FIELD 2							
PRIMARY CURRENT Amp AC	98	OFF	98	98	98	OFF	98
SECONDARY VOLTAGE Kilovolts DC	44		44	43	44		43
FIELD 3							
PRIMARY CURRENT Amp AC	97	97	OFF	97	97	97	OFF
SECONDARY VOLTAGE Kilovolts DC	44	43		43	43	43	
FIELD 4							
PRIMARY CURRENT Amp AC	98	98	98	OFF	98	OFF	98
SECONDARY VOLTAGE Kilovolts DC	37	37	37		37		37
FIELD 5							
PRIMARY CURRENT Amp AC	98	98	99	98	OFF	98	OFF
SECONDARY VOLTAGE Kilovolts DC	41	40	40	40		41	

NOTE: Since AQD #18 and #19 have identical pollution control devices and permitted emission limits, AQD #18 (BO-1) was the only unit tested with results being applied to both units (AQD #18 and #19).

PRECIPITATOR DATA

	Run #1	Run #2	Run #3	Run #4	Run #5	Run #6	Run #7	AVERAGE	MAXIMUM	MINIMUM	RECOMMENDED INDICATOR MINIMUM
FIELD 1											
SECONDARY VOLTAGE kV	40	40	40	40	41	40	40	40	41	40	30
SECONDARY CURRENT mA	593	609	614	604	608	604	606	605	614	593	445
FIELD 2											
SECONDARY VOLTAGE kV	44	OFF	44	43	44	OFF	43	44	44	43	32
SECONDARY CURRENT mA	630		625	630	626		620	626	630	620	465
FIELD 3											
SECONDARY VOLTAGE kV	44	43	OFF	43	43	43	OFF	43	44	43	32
SECONDARY CURRENT mA	618	613		617	614	614		615	618	613	460
FIELD 4											
SECONDARY VOLTAGE kV	37	37	37	OFF	37	OFF	37	37	37	37	28
SECONDARY CURRENT mA	602	603	603		603		605	603	605	602	452
FIELD 5											
SECONDARY VOLTAGE kV	40	40	40	40	OFF	40	OFF	40	40	40	30
SECONDARY CURRENT mA	611	608	607	610		609		609	611	607	455

A Minimum of three fields must be in operation with recommended indicator minimums that provide a reasonable probability of compliance with PM emission limits.

NOTE: Since AQD #18 and #19 have identical pollution control devices and permitted emission limits, AQD #18 (BO-1) was the only unit tested with results being applied to both units (AQD #18 and #19).

EI_B1EP003_AB_PV	40	102: Bad tag 'EI_B1EP	40	40	41	40	40
II_B1EP003_AB_PV	593		614	604	608	604	606
EI_B1EP003_BB_PV	44	102: Bad tag 'EI_B1EP	44	43	44	0	43
II_B1EP003_BB_PV	630		625	630	626	0	620
EI_B1EP003_CB_PV	44	102: Bad tag 'EI_B1EP	0	43	43	43	0
II_B1EP003_CB_PV	618		0	617	614	614	0
EI_B1EP003_DB_PV	37	102: Bad tag 'EI_B1EP	37	0	37	0	37
II_B1EP003_DB_PV	602		603	0	603	0	605
EI_B1EP003_EB_PV	40	102: Bad tag 'EI_B1EP	40	40	0	40	0
II_B1EP003_EB_PV	611		607	610	0	609	0