



Via Electronic Filing

May 21, 2014

Ms. Carlotta Stauffer, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: Docket No.: 140001
Performance Data Report for April, 2014

Dear Ms. Stauffer:

Enclosed for filing in the above docket is Duke Energy Florida's Performance Data Report for April, 2014.

If you have any questions, please do not hesitate to contact me at 727-820-4692.

Sincerely,

A handwritten signature in black ink that reads "Dianne Triplett".

Dianne Triplett
Associate General Counsel

DT/emc
Enclosure

cc: Tom Ballinger
Director of Engineering
FPSC
Parties of Record

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2014

Bartow CC	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan - Apr Period
1. EAF	99.84	98.32	88.53	49.79									84.05
2. PH	744	672	743	720									2,879
3. SH	742.2	660.1	647.9	358.5									2,408.7
4. RSH	0.8	2.5	21.6	0.0									24.9
5. UH	1.0	9.4	73.5	361.5									445.3
6. POH	0.0	0.0	19.6	218.3									237.9
7. FOH	1.0	9.4	1.1	143.2									154.6
8. MOH	0.0	0.0	52.8	0.0									52.8
9. PPOH	0.0	0.0	18.1	25.6									43.7
10. LR PP (MW)	0.0	0.0	109.5	109.5									109.5
11. PFOH	2.2	20.8	2.4	0.0									25.4
12. LR PF (MW)	109.6	98.0	198.6	0.0									108.5
13. PMOH	0.0	0.0	110.8	0.0									110.8
14. LR PM (MW)	0.0	0.0	109.5	0.0									109.5
15. NSC (MW)	1074	1074	1074	1074									1074
16. OPER MBTU	5,364,255	4,662,389	4,443,220	3,075,679									17,545,543
17. NET GEN (MWH)	748,729	642,025	607,064	331,648									2,329,466
18. ANOHR (BTU/KWH)	7,164.5	7,262.0	7,319.2	9,273.9									7,532.0
19. NOF (%)	93.93	90.56	87.24	86.13									90.05
20. NPC (MW)	1074	1074	1074	1074									1074

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ACTUAL UNIT PERFORMANCE DATA -- YEAR 2014

CRYSTAL RIVER 4	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan - Apr Period
1. EAF	98.69	58.39	76.49	91.26									81.69
2. PH	744	672	743	720									2,879
3. SH	414.9	401.8	569.8	658.0									2,044.5
4. RSH	329.2	0.0	0.0	0.0									329.2
5. UH	0.0	270.2	173.2	62.0									505.4
6. POH	0.0	0.0	0.0	0.0									0.0
7. FOH	0.0	270.2	57.7	62.0									389.9
8. MOH	0.0	0.0	115.5	0.0									115.5
9. PPOH	0.0	0.0	0.0	0.0									0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0									0.0
11. PFOH	0.0	32.3	10.2	6.0									48.5
12. LR PF (MW)	0.0	144.4	60.6	117.1									123.5
13. PMOH	59.8	12.0	7.0	0.0									78.8
14. LR PM (MW)	116.2	169.3	65.0	0.0									119.8
15. NSC (MW)	712	712	712	712									712
16. OPER MBTU	2,600,473	2,343,253	3,476,791	4,058,267									12,478,784
17. NET GEN (MWH)	250,698	225,525	335,143	397,938									1,209,304
18. ANOHR (BTU/KWH)	10,372.9	10,390.2	10,374.1	10,198.2									10,319.0
19. NOF (%)	84.87	78.84	82.61	84.94									83.08
20. NPC (MW)	712	712	712	712									712

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ACTUAL UNIT PERFORMANCE DATA – YEAR 2014

CRYSTAL RIVER 5	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan - Apr Period
1. EAF	100.00	80.05	49.80	99.37									82.23
2. PH	744	672	743	720									2,879
3. SH	623.4	541.1	375.4	720.0									2,259.9
4. RSH	120.6	0.0	0.0	0.0									120.6
5. UH	0.0	130.9	367.6	0.0									498.5
6. POH	0.0	130.9	344.5	0.0									475.4
7. FOH	0.0	0.0	23.1	0.0									23.1
8. MOH	0.0	0.0	0.0	0.0									0.0
9. PPOH	0.0	0.0	0.0	0.0									0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0									0.0
11. PFOH	0.0	0.0	6.8	12.9									19.6
12. LR PF (MW)	0.0	0.0	567.0	91.0									254.9
13. PMOH	0.0	9.5	0.0	28.7									38.2
14. LR PM (MW)	0.0	234.0	0.0	72.4									112.6
15. NSC (MW)	710	710	710	710									710
16. OPER MBTU	3,805,652	3,462,031	2,049,803	4,255,527									13,573,012
17. NET GEN (MWH)	389,220	358,201	206,286	433,804									1,387,511
18. ANOHR (BTU/KWH)	9,777.6	9,665.1	9,936.7	9,809.8									9,782.3
19. NOF (%)	87.93	93.24	77.40	84.86									86.47
20. NPC (MW)	710	710	710	710									710

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ACTUAL UNIT PERFORMANCE DATA – YEAR 2014

HINES 1	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan - Apr Period
1. EAF	100.00	100.00	100.00	100.00									100.00
2. PH	744	672	743	720									2,879
3. SH	631.5	672.0	601.0	202.7									2,107.2
4. RSH	112.5	0.0	142.0	517.3									771.8
5. UH	0.0	0.0	0.0	0.0									0.0
6. POH	0.0	0.0	0.0	0.0									0.0
7. FOH	0.0	0.0	0.0	0.0									0.0
8. MOH	0.0	0.0	0.0	0.0									0.0
9. PPOH	0.0	0.0	2.9	0.0									2.9
10. LR PP (MW)	0.0	0.0	60.4	0.0									60.4
11. PFOH	0.0	0.0	0.0	0.0									0.0
12. LR PF (MW)	0.0	0.0	0.0	0.0									0.0
13. PMOH	0.0	0.0	0.0	0.0									0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0									0.0
15. NSC (MW)	465	465	465	465									465
16. OPER MBTU	2,021,754	2,164,212	1,971,442	695,155									6,852,563
17. NET GEN (MWH)	288,843	292,673	276,429	81,914									939,859
18. ANOHR (BTU/KWH)	6,999.5	7,394.6	7,131.8	8,486.4									7,291.1
19. NOF (%)	98.36	93.66	98.92	86.89									95.92
20. NPC (MW)	465	465	465	465									465

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ACTUAL UNIT PERFORMANCE DATA -- YEAR 2014

HINES 2	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan - Apr Period
1. EAF	99.60	100.00	100.00	99.99									99.89
2. PH	744	672	743	720									2,879
3. SH	536.5	114.3	629.5	720.0									2,000.3
4. RSH	205.2	557.7	113.5	0.0									876.4
5. UH	2.3	0.0	0.0	0.0									2.3
6. POH	0.0	0.0	0.0	0.0									0.0
7. FOH	0.0	0.0	0.0	0.0									0.0
8. MOH	2.3	0.0	0.0	0.0									2.3
9. PPOH	0.0	0.0	0.0	0.0									0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0									0.0
11. PFOH	2.7	0.0	0.0	0.0									2.7
12. LR PF (MW)	123.1	0.0	0.0	0.0									123.1
13. PMOH	0.0	0.0	0.0	0.9									0.9
14. LR PM (MW)	0.0	0.0	0.0	51.9									51.9
15. NSC (MW)	490	490	490	490									490
16. OPER MBTU	1,695,005	294,120	1,950,580	2,292,997									6,232,702
17. NET GEN (MWH)	221,604	37,816	261,867	313,969									835,256
18. ANOHR (BTU/KWH)	7,648.8	7,777.7	7,448.7	7,303.3									7,462.0
19. NOF (%)	84.29	67.51	84.90	88.99									85.22
20. NPC (MW)	490	490	490	490									490

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ACTUAL UNIT PERFORMANCE DATA -- YEAR 2014

HINES 3	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan - Apr Period
1. EAF	99.55	83.94	23.24	100.00									76.33
2. PH	744	672	743	720									2,879
3. SH	704.5	154.4	120.0	715.1									1,693.9
4. RSH	36.2	409.7	52.7	4.9									503.5
5. UH	3.3	108.0	570.3	0.0									681.6
6. POH	0.0	0.0	515.3	0.0									515.3
7. FOH	0.0	106.7	55.0	0.0									161.7
8. MOH	3.3	1.3	0.0	0.0									4.6
9. PPOH	0.0	0.0	0.0	0.0									0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0									0.0
11. PFOH	0.0	0.0	0.0	0.0									0.0
12. LR PF (MW)	0.0	0.0	0.0	0.0									0.0
13. PMOH	0.0	0.0	0.0	0.0									0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0									0.0
15. NSC (MW)	488	488	488	488									488
16. OPER MBTU	2,261,854	401,229	351,207	2,223,381									5,237,670
17. NET GEN (MWH)	313,782	51,848	41,099	313,930									720,659
18. ANOHR (BTU/KWH)	7,208.4	7,738.6	8,545.4	7,082.4									7,267.9
19. NOF (%)	91.27	68.82	70.20	89.96									87.18
20. NPC (MW)	488	488	488	488									488

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ACTUAL UNIT PERFORMANCE DATA – YEAR 2014

HINES 4	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan - Apr Period
1. EAF	97.20	100.00	100.00	99.99									99.27
2. PH	744	672	743	720									2,879
3. SH	558.0	584.9	743.0	720.0									2,605.9
4. RSH	168.5	87.1	0.0	0.0									255.6
5. UH	17.5	0.0	0.0	0.0									17.5
6. POH	0.0	0.0	0.0	0.0									0.0
7. FOH	11.2	0.0	0.0	0.0									11.2
8. MOH	6.3	0.0	0.0	0.0									6.3
9. PPOH	0.0	0.0	0.0	0.0									0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0									0.0
11. PFOH	15.4	0.0	0.0	0.0									15.4
12. LR PF (MW)	80.0	0.0	0.0	0.0									80.0
13. PMOH	4.0	0.0	0.0	1.2									5.1
14. LR PM (MW)	80.0	0.0	0.0	37.8									70.4
15. NSC (MW)	472	472	472	472									472
16. OPER MBTU	1,735,706	1,745,274	2,390,791	2,277,278									8,149,049
17. NET GEN (MWH)	243,893	244,798	347,288	325,845									1,161,824
18. ANOHR (BTU/KWH)	7,116.7	7,129.4	6,884.2	6,988.8									7,014.0
19. NOF (%)	92.61	88.67	99.03	95.88									94.46
20. NPC (MW)	472	472	472	472									472

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ACTUAL UNIT EVENT DATA -- January - April 2014

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
BCC 4A	2/19/2014	FFO	29.83	173.0	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4A	3/28/2014	PO	496.12	173.0	GAS TURBINE - HOT END INSPECTION
BCC 4A	4/29/2014	FFO	1.77	173.0	PROTECTION DEVICES
BCC 4A	4/30/2014	FFO	2.70	173.0	GAS TURBINE - DIVERTER DAMPERS
BCC 4B	3/4/2014	FMO	11.15	175.0	4000-7000-VOLT CIRCUIT BREAKERS
BCC 4B	4/5/2014	FFO	31.65	175.0	SWITCHYARD SYSTEM PROTECTION DEVICES
BCC 4B	4/17/2014	PO	312.03	175.0	GAS TURBINE - HOT END INSPECTION
BCC 4C	1/24/2014	FFO	6.25	172.0	GAS TURBINE CONTROL SYSTEM - HARDWARE PROBLEM
BCC 4C	2/20/2014	FFO	9.93	172.0	GAS TURBINE - FUEL NOZZLES/VANES
BCC 4C	3/1/2014	FMO	156.40	172.0	GAS TURBINE - BOROSCOPE INSPECTION
BCC 4C	3/8/2014	FFO	6.75	172.0	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	4/5/2014	FFO	10.22	172.0	SWITCHYARD SYSTEM PROTECTION DEVICES
BCC 4C	4/21/2014	FFO	238.98	172.0	GENERATOR OUTPUT BREAKER
BCC 4D	2/8/2014	FFO	4.77	172.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
BCC 4D	2/11/2014	FFO	13.85	172.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
BCC 4D	3/8/2014	FMO	161.90	172.0	JET ENGINE - BOROSCOPE INSPECTION
BCC 4D	4/5/2014	FFO	11.17	172.0	SWITCHYARD SYSTEM PROTECTION DEVICES
BCC 4D	4/8/2014	FFO	25.52	172.0	GAS TURBINE - BATTERY AND CHARGER SYSTEM
BCC 4D	4/21/2014	FFO	38.45	172.0	GENERATOR OUTPUT BREAKER
BCC 4S	1/24/2014	PFO	6.25	109.5	GAS TURBINE CONTROL SYSTEM - HARDWARE PROBLEM
BCC 4S	2/8/2014	PFO	4.77	109.5	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
BCC 4S	2/11/2014	PFO	13.85	109.5	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
BCC 4S	2/19/2014	PFO	29.82	109.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4S	2/20/2014	PFO	9.93	42.1	GAS TURBINE - FUEL NOZZLES/VANES
BCC 4S	3/1/2014	PMO	156.40	109.5	GAS TURBINE - BOROSCOPE INSPECTION
BCC 4S	3/8/2014	PMO	11.68	109.5	GAS TURBINE - BOROSCOPE INSPECTION
BCC 4S	3/8/2014	PFO	6.75	198.5	GAS TURBINE - FUEL PIPING AND VALVES

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - April 2014

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
BCC 4S	3/8/2014	PMO	143.47	109.5	GAS TURBINE - BOROSCOPE INSPECTION
BCC 4S	3/28/2014	PPO	50.75	109.5	GAS TURBINE - HOT END INSPECTION
BCC 4S	3/31/2014	PO	301.27	382.0	GENERATOR OUTPUT BREAKER
BCC 4S	4/17/2014	PPO	72.08	109.5	GAS TURBINE - HOT END INSPECTION
BCC 4S	4/21/2014	FFO	239.95	382.0	GENERATOR OUTPUT BREAKER

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ACTUAL UNIT EVENT DATA -- January - April 2014

Crystal River 4

Date	Outage Type	Hours	MW Affected	Description
1/2/2014	PMO	10.75	93.0	PULVERIZER FEEDER MOTOR
1/23/2014	PMO	48.00	112.0	AIR HEATER FOULING (REGENERATIVE)
1/31/2014	PMO	1.00	568.9	GENERATOR LIQUID COOLING SYSTEM
2/1/2014	PMO	8.00	93.0	PULVERIZER INSPECTION
2/9/2014	PFO	8.75	27.0	SOOT BLOWERS - STEAM
2/10/2014	PFO	23.55	188.0	MAIN TRANSFORMER
2/11/2014	PMO	4.00	322.0	CEMS - CERTIFICATION AND RECERTIFICATION
2/12/2014	FFO	229.87	712.0	SECOND SUPERHEATER LEAKS
2/27/2014	FFO	98.05	712.0	SECOND SUPERHEATER LEAKS
3/7/2014	PFO	5.83	93.0	PULVERIZER CONTROL SYSTEMS (TEMP AND PRESSURE)
3/7/2014	PMO	7.02	65.0	CEMS - CERTIFICATION AND RECERTIFICATION
3/17/2014	PFO	4.33	16.9	EXTERNAL SUPERHEATER LINK TUBING LEAKS
3/20/2014	FMO	115.48	712.0	SECOND SUPERHEATER LEAKS
4/1/2014	FFO	61.97	712.0	FURNACE WALL LEAKS
4/16/2014	PFO	0.78	117.3	PULVERIZER FEEDERS
4/17/2014	PFO	5.23	117.0	PULVERIZER FEEDERS

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ACTUAL UNIT EVENT DATA – January - April 2014

Crystal River 5

Date	Outage Type	Hours	MW Affected	Description
2/5/2014	PMO	9.50	234.0	CEMS - CERTIFICATION AND RECERTIFICATION
2/23/2014	PO	475.40	710.0	MINOR BOILER OVERHAUL (LESS THAN 720 HOURS)
3/15/2014	FFO	23.12	710.0	AIR HEATER (REGENERATIVE)
3/18/2014	PFO	6.75	566.9	PRIMARY AIR FAN
4/8/2014	PMO	21.67	91.0	PULVERIZER MILLS
4/18/2014	PFO	12.85	91.0	FLUE GAS EXPANSION JOINTS
4/19/2014	PMO	7.00	15.0	FLUE GAS EXPANSION JOINTS

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ACTUAL UNIT EVENT DATA -- January - April 2014

Hines 1

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 1A	3/10/2014	PPO	2.90	67.0	INTAKE GRATING FOULING
HEP 1B	3/10/2014	PPO	2.90	66.0	INTAKE GRATING FOULING
HEP ST1	3/10/2014	PPO	2.90	49.0	INTAKE GRATING FOULING

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ACTUAL UNIT EVENT DATA -- January - April 2014

Hines 2

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 2A	4/28/2014	PMO	0.83	51.0	INTAKE GRATING FOULING
HEP 2B	1/15/2014	FFO	7.30	154.0	GAS TURBINE - FUEL PIPING AND VALVES
HEP 2B	4/28/2014	PMO	1.17	50.9	INTAKE GRATING FOULING
HEP ST2	1/15/2014	PFO	7.30	123.0	GAS TURBINE - FUEL PIPING AND VALVES
HEP ST2	4/28/2014	PMO	0.83	54.0	INTAKE GRATING FOULING

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - April 2014

Hines 3

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 3A	1/29/2014	FFO	1.57	155.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 3A	2/10/2014	FMO	51.00	155.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 3A	2/26/2014	FFO	0.70	155.0	OTHER FEEDWATER SYSTEM PROBLEMS
HEP 3A	3/4/2014	FMO	44.88	155.0	TURBINE TURNING GEAR AND MOTOR
HEP 3A	3/8/2014	PO	513.73	155.0	GENERAL GAS TURBINE UNIT INSPECTION
HEP 3A	3/30/2014	FMO	31.85	155.0	GAS TURBINE - HIGH ENGINE EXHAUST TEMPERATURE
HEP 3B	1/29/2014	FFO	2.58	155.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 3B	1/29/2014	FFO	1.42	155.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 3B	2/10/2014	FMO	51.00	155.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 3B	2/12/2014	FMO	175.22	155.0	GAS TURBINE - TURNING GEAR AND MOTOR
HEP 3B	2/25/2014	FFO	0.87	155.0	IP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 3B	2/25/2014	FFO	0.32	155.0	TURBINE SUPERVISORY SYSTEM
HEP 3B	3/4/2014	FMO	44.88	155.0	TURBINE TURNING GEAR AND MOTOR
HEP 3B	3/8/2014	PO	514.23	155.0	GENERAL GAS TURBINE UNIT INSPECTION
HEP ST3	1/29/2014	FFO	1.05	178.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP ST3	1/29/2014	FFO	3.27	178.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP ST3	2/10/2014	FMO	51.00	178.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP ST3	2/25/2014	FFO	1.90	178.0	IP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP ST3	3/4/2014	FMO	44.88	178.0	TURBINE TURNING GEAR AND MOTOR
HEP ST3	3/8/2014	PO	517.58	178.0	TURBINE - MISCELLANEOUS TURBINE PIPING

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - April 2014

Hines 4

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 4A	1/7/2014	FFO	18.75	151.0	GAS TURBINE - COOLING WATER SYSTEM
HEP 4A	1/8/2014	FMO	35.00	151.0	ECONOMIZER LEAKS
HEP 4A	4/27/2014	PMO	1.17	43.0	INTAKE GRATING FOULING
HEP 4B	1/26/2014	FFO	0.50	151.0	BLADE PATH TEMPERATURE SPREAD
HEP 4B	4/27/2014	PMO	1.17	43.0	INTAKE GRATING FOULING
HEP ST4	1/7/2014	PFO	42.75	80.0	GAS TURBINE - COOLING WATER SYSTEM
HEP ST4	1/9/2014	PMO	11.00	80.0	ECONOMIZER LEAKS
HEP ST4	1/26/2014	FFO	0.50	170.0	BLADE PATH TEMPERATURE SPREAD
HEP ST4	4/27/2014	PMO	1.17	29.0	INTAKE GRATING FOULING