

NC0005088 Cliffside Ash Pond Exceedances 2010-7/16/2013						2L		
Permit	Facility	Well	Month	Year	Parameter	Standard	Value	Units
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-21D	8	2011	00400 - pH	6.5-8.5	4.7	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-21D	8	2012	00400 - pH	6.5-8.5	4.8	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-21D	4	2013	00400 - pH	6.5-8.5	5	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-21D	4	2011	00400 - pH	6.5-8.5	5.1	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-21D	12	2012	00400 - pH	6.5-8.5	5.1	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-21D	12	2011	00400 - pH	6.5-8.5	5.2	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-21D	4	2012	00400 - pH	6.5-8.5	5.2	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-22DR	4	2013	00400 - pH	6.5-8.5	6	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-22DR	12	2011	00400 - pH	6.5-8.5	6.2	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-22DR	8	2012	00400 - pH	6.5-8.5	6.2	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-22DR	8	2011	00400 - pH	6.5-8.5	6.3	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-22DR	4	2012	00400 - pH	6.5-8.5	6.3	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-22DR	4	2011	00400 - pH	6.5-8.5	6.4	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-22DR	12	2012	00400 - pH	6.5-8.5	6.4	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24D	12	2012	00400 - pH	6.5-8.5	5.09	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24D	8	2012	00400 - pH	6.5-8.5	5.1	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24D	4	2011	00400 - pH	6.5-8.5	5.2	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24D	4	2013	00400 - pH	6.5-8.5	5.21	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24D	8	2011	00400 - pH	6.5-8.5	5.29	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24D	12	2011	00400 - pH	6.5-8.5	5.4	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24D	4	2012	00400 - pH	6.5-8.5	5.4	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-25DR	8	2011	00400 - pH	6.5-8.5	8.7	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-25DR	12	2011	00400 - pH	6.5-8.5	9	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-25DR	4	2011	00400 - pH	6.5-8.5	9.5	su
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	4	2011	00945 - Sulfate, Total (as SO4)	250	280	mg/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	8	2011	00945 - Sulfate, Total (as SO4)	250	300	mg/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	12	2011	00945 - Sulfate, Total (as SO4)	250	330	mg/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	4	2012	00945 - Sulfate, Total (as SO4)	250	370	mg/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	8	2012	00945 - Sulfate, Total (as SO4)	250	370	mg/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	12	2012	00945 - Sulfate, Total (as SO4)	250	420	mg/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	4	2011	01034 - Chromium, Total (as Cr)	10	14	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-25DR	4	2011	01034 - Chromium, Total (as Cr)	10	45	ug/l

Plaintiff's Exhibit
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Permit	Facility	Well	Month	Year	Parameter	Standard	Value	Units
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-20D	12	2012	01045 - Iron, Total (as Fe)	300	3470	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-20D	4	2013	01045 - Iron, Total (as Fe)	300	3890	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-20D	4	2012	01045 - Iron, Total (as Fe)	300	3950	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-20D	8	2012	01045 - Iron, Total (as Fe)	300	4050	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-20D	4	2011	01045 - Iron, Total (as Fe)	300	4970	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-20D	8	2011	01045 - Iron, Total (as Fe)	300	5070	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-20D	12	2011	01045 - Iron, Total (as Fe)	300	8620	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-20DR	8	2012	01045 - Iron, Total (as Fe)	300	330	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-22DR	4	2013	01045 - Iron, Total (as Fe)	300	4690	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-22DR	4	2012	01045 - Iron, Total (as Fe)	300	5280	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-22DR	12	2012	01045 - Iron, Total (as Fe)	300	6220	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-22DR	8	2012	01045 - Iron, Total (as Fe)	300	6490	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-22DR	12	2011	01045 - Iron, Total (as Fe)	300	6880	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-22DR	8	2011	01045 - Iron, Total (as Fe)	300	8510	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-22DR	4	2011	01045 - Iron, Total (as Fe)	300	9890	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	4	2011	01045 - Iron, Total (as Fe)	300	349	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	8	2011	01045 - Iron, Total (as Fe)	300	450	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	12	2011	01045 - Iron, Total (as Fe)	300	534	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	4	2012	01045 - Iron, Total (as Fe)	300	650	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	4	2013	01045 - Iron, Total (as Fe)	300	746	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	8	2012	01045 - Iron, Total (as Fe)	300	774	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	12	2012	01045 - Iron, Total (as Fe)	300	945	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-23DR	4	2012	01045 - Iron, Total (as Fe)	300	828	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-23DR	12	2011	01045 - Iron, Total (as Fe)	300	847	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-23DR	8	2012	01045 - Iron, Total (as Fe)	300	850	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-23DR	12	2012	01045 - Iron, Total (as Fe)	300	861	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-23DR	4	2013	01045 - Iron, Total (as Fe)	300	871	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-23DR	8	2011	01045 - Iron, Total (as Fe)	300	1010	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-23DR	4	2011	01045 - Iron, Total (as Fe)	300	1240	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24D	12	2011	01045 - Iron, Total (as Fe)	300	382	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24D	8	2011	01045 - Iron, Total (as Fe)	300	383	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24D	4	2012	01045 - Iron, Total (as Fe)	300	515	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24D	4	2011	01045 - Iron, Total (as Fe)	300	2170	ug/l

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NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24DR	12	2011	01045 - Iron, Total (as Fe)	300	962	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24DR	4	2011	01045 - Iron, Total (as Fe)	300	963	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24DR	12	2012	01045 - Iron, Total (as Fe)	300	1030	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24DR	8	2011	01045 - Iron, Total (as Fe)	300	1130	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24DR	4	2012	01045 - Iron, Total (as Fe)	300	1170	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24DR	4	2013	01045 - Iron, Total (as Fe)	300	1290	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24DR	8	2012	01045 - Iron, Total (as Fe)	300	1710	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-25DR	12	2011	01045 - Iron, Total (as Fe)	300	409	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-25DR	8	2011	01045 - Iron, Total (as Fe)	300	504	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-25DR	4	2012	01045 - Iron, Total (as Fe)	300	580	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-25DR	4	2011	01045 - Iron, Total (as Fe)	300	6610	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-20D	4	2011	01055 - Manganese, Total (as Mn)	50	459	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-20D	4	2012	01055 - Manganese, Total (as Mn)	50	478	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-20D	8	2012	01055 - Manganese, Total (as Mn)	50	496	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-20D	8	2011	01055 - Manganese, Total (as Mn)	50	516	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-20D	12	2011	01055 - Manganese, Total (as Mn)	50	549	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-20D	12	2012	01055 - Manganese, Total (as Mn)	50	591	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-20D	4	2013	01055 - Manganese, Total (as Mn)	50	649	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-20DR	4	2013	01055 - Manganese, Total (as Mn)	50	600	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-20DR	12	2012	01055 - Manganese, Total (as Mn)	50	610	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-20DR	4	2012	01055 - Manganese, Total (as Mn)	50	620	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-20DR	12	2011	01055 - Manganese, Total (as Mn)	50	632	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-20DR	8	2012	01055 - Manganese, Total (as Mn)	50	634	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-20DR	4	2011	01055 - Manganese, Total (as Mn)	50	683	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-20DR	8	2011	01055 - Manganese, Total (as Mn)	50	704	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-21D	8	2011	01055 - Manganese, Total (as Mn)	50	57	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-21D	4	2011	01055 - Manganese, Total (as Mn)	50	84	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-22DR	12	2012	01055 - Manganese, Total (as Mn)	50	82	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-22DR	4	2013	01055 - Manganese, Total (as Mn)	50	85	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-22DR	8	2012	01055 - Manganese, Total (as Mn)	50	90	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-22DR	12	2011	01055 - Manganese, Total (as Mn)	50	93	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-22DR	8	2011	01055 - Manganese, Total (as Mn)	50	114	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-22DR	4	2012	01055 - Manganese, Total (as Mn)	50	127	ug/l

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NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-22DR	4	2011	01055 - Manganese, Total (as Mn)	50	148	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	4	2011	01055 - Manganese, Total (as Mn)	50	410	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	8	2011	01055 - Manganese, Total (as Mn)	50	483	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	12	2011	01055 - Manganese, Total (as Mn)	50	542	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	4	2012	01055 - Manganese, Total (as Mn)	50	604	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	8	2012	01055 - Manganese, Total (as Mn)	50	610	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	4	2013	01055 - Manganese, Total (as Mn)	50	672	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	12	2012	01055 - Manganese, Total (as Mn)	50	750	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-23DR	4	2011	01055 - Manganese, Total (as Mn)	50	51	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-23DR	8	2011	01055 - Manganese, Total (as Mn)	50	51	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24D	4	2011	01055 - Manganese, Total (as Mn)	50	87	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24DR	12	2011	01055 - Manganese, Total (as Mn)	50	54	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24DR	4	2012	01055 - Manganese, Total (as Mn)	50	54	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24DR	12	2012	01055 - Manganese, Total (as Mn)	50	54	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24DR	4	2013	01055 - Manganese, Total (as Mn)	50	54	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24DR	8	2012	01055 - Manganese, Total (as Mn)	50	57	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24DR	4	2011	01055 - Manganese, Total (as Mn)	50	61	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-24DR	8	2011	01055 - Manganese, Total (as Mn)	50	61	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW-25DR	4	2011	01055 - Manganese, Total (as Mn)	50	213	ug/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	4	2011	70300 - Solids, Total Dissolved- 180 Deg.C	500	590	mg/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	8	2011	70300 - Solids, Total Dissolved- 180 Deg.C	500	600	mg/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	12	2011	70300 - Solids, Total Dissolved- 180 Deg.C	500	660	mg/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	4	2012	70300 - Solids, Total Dissolved- 180 Deg.C	500	709	mg/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	8	2012	70300 - Solids, Total Dissolved- 180 Deg.C	500	750	mg/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	12	2012	70300 - Solids, Total Dissolved- 180 Deg.C	500	790	mg/l
NC0005088	Duke Energy Carolinas LLC - Cliffside Steam Station	MW23-D	4	2013	70300 - Solids, Total Dissolved- 180 Deg.C	500	820	mg/l