

December 4, 2008

ULNRC-05569

U.S. Nuclear Regulatory Commission  
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Ladies and Gentlemen:

**DOCKET NUMBER 50-483  
CALLAWAY PLANT UNIT 1  
UNION ELECTRIC CO.  
FACILITY OPERATING LICENSE NPF-30  
2007 ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT ERRATA**

Reference: ULNRC-05508, dated April 30, 2008

An omission has been identified and corrected in the 2007 Annual Radioactive Effluent Release Report. The referenced letter transmitted this report in accordance with Sections 5.6.3 and 5.5.1 of the Technical Specifications. The missing information involved on-site meteorological data for the 60 meter tower elevation. The attachment provides the 60 meter wind speed and direction data for Table 4 of the report.

If there are any questions, please contact us.

Sincerely,

*Keith A. Mills 04 Dec 08*

Keith A. Mills  
Manager, Plant Engineering

DJW/nls

Attachment

IE48  
NRR

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cc: U.S. Nuclear Regulatory Commission (Original and 1 copy)  
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**Index and send hardcopy to QA File A160.0761**

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Meteorological Data  
 Totals of Hours at Each Wind Speed & Direction

1-JAN-2007 00:00:00.00 to 31-DEC-2007 23:59:59.00

Stability Class: A

	Wind Speed at 60.00 Meter Level (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	0	0	1	0	0	0	1
NNE	1	0	7	3	0	0	11
NE	0	1	1	0	0	0	2
ENE	0	2	4	0	0	0	6
E	0	2	1	0	0	0	3
ESE	0	2	1	3	1	0	7
SE	0	0	13	8	0	0	21
SSE	0	3	14	5	2	2	26
S	0	4	38	14	2	0	58
SSW	0	7	40	18	3	0	68
SW	0	2	29	28	6	0	65
WSW	0	1	11	3	3	3	21
W	0	4	18	15	2	4	43
WNW	0	2	17	28	4	0	51
NW	0	1	8	17	13	1	40
NNW	0	0	7	4	0	0	11
TOT	1	31	210	146	36	10	434

Hours of Calm Data: 0  
 Hours of Invalid Data: 46

Meteorological Data  
Totals of Hours at Each Wind Speed & Direction

1-JAN-2007 00:00:00.00 to 31-DEC-2007 23:59:59.00

Stability Class: B

	Wind Speed at 60.00 Meter Level (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	0	1	5	8	0	0	14
NNE	0	3	14	6	1	0	24
NE	0	0	7	0	0	0	7
ENE	0	1	5	0	0	0	6
E	0	3	7	0	0	0	10
ESE	0	0	3	5	2	0	10
SE	1	11	19	7	1	0	39
SSE	0	7	18	8	1	0	34
S	1	17	17	12	2	1	50
SSW	0	14	37	15	4	0	70
SW	0	8	25	12	3	0	48
WSW	1	5	12	4	2	1	25
W	0	4	17	7	0	2	30
WNW	0	3	10	14	6	0	33
NW	0	4	15	11	6	0	36
NNW	0	1	12	4	2	0	19
TOT	3	82	223	113	30	4	455

Hours of Calm Data: 0  
Hours of Invalid Data: 41

Meteorological Data  
 Totals of Hours at Each Wind Speed & Direction

1-JAN-2007 00:00:00.00 to 31-DEC-2007 23:59:59.00

Stability Class: C

Wind Speed at 60.00 Meter Level (MPH)							
	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	5	5	4	0	0	15
NNE	0	4	15	7	0	0	26
NE	0	6	3	1	1	0	11
ENE	1	17	9	0	0	0	27
E	0	12	5	0	0	0	17
ESE	0	3	10	8	1	0	22
SE	1	12	25	4	1	0	43
SSE	1	21	15	11	1	0	49
S	1	13	11	8	6	1	40
SSW	0	15	21	11	5	2	54
SW	0	15	27	14	1	0	57
WSW	1	11	10	2	2	1	27
W	0	12	9	8	0	2	31
WNW	1	11	8	12	4	0	36
NW	0	1	7	9	5	1	23
NNW	0	5	18	4	1	0	28
TOT	7	163	198	103	28	7	506

Hours of Calm Data: 0  
 Hours of Invalid Data: 105

Meteorological Data  
Totals of Hours at Each Wind Speed & Direction

1-JAN-2007 00:00:00.00 to 31-DEC-2007 23:59:59.00

Stability Class: D

	Wind Speed at 60.00 Meter Level (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	6	49	71	42	5	0	173
NNE	9	54	73	19	4	0	159
NE	7	65	61	6	0	0	139
ENE	3	69	64	3	0	0	139
E	9	41	57	13	1	0	121
ESE	9	40	88	30	10	0	177
SE	8	51	65	41	2	0	167
SSE	11	45	62	31	5	0	154
S	7	39	56	44	28	5	179
SSW	10	29	74	46	22	6	187
SW	13	42	54	55	16	1	181
WSW	10	27	50	25	9	6	127
W	6	30	44	43	32	18	173
WNW	6	29	63	39	38	6	181
NW	8	28	78	77	50	5	246
NNW	4	23	68	50	14	3	162
TOT	126	661	1028	564	236	50	2665

Hours of Calm Data:  
Hours of Invalid Data:

2  
587

Meteorological Data  
Totals of Hours at Each Wind Speed & Direction

1-JAN-2007 00:00:00.00 to 31-DEC-2007 23:59:59.00

Stability Class: E

	Wind Speed at 60.00 Meter Level (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	3	16	43	21	2	0	85
NNE	2	18	44	10	0	0	74
NE	3	20	39	1	0	0	63
ENE	1	11	43	8	0	0	63
E	4	8	64	4	0	0	80
ESE	4	14	87	22	1	0	128
SE	4	22	97	68	3	0	194
SSE	1	23	101	74	14	0	213
S	2	13	88	111	46	1	261
SSW	1	15	77	96	18	0	207
SW	2	17	60	65	12	1	157
WSW	3	14	41	40	2	1	101
W	4	22	47	63	4	0	140
WNW	2	18	60	41	3	0	124
NW	0	5	40	40	6	0	91
NNW	3	6	51	13	1	1	75
TOT	39	242	982	677	112	4	2056

Hours of Calm Data: 3  
Hours of Invalid Data: 199



Meteorological Data  
Totals of Hours at Each Wind Speed & Direction

1-JAN-2007 00:00:00.00 to 31-DEC-2007 23:59:59.00

Stability Class: F

	Wind Speed at 60.00 Meter Level (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	2	6	16	12	0	0	36
NNE	2	12	24	11	0	0	49
NE	2	8	23	3	0	0	36
ENE	0	5	25	8	0	0	38
E	1	7	32	6	0	0	46
ESE	3	6	43	4	0	0	56
SE	2	12	63	5	0	0	82
SSE	2	15	63	75	0	0	155
S	5	10	59	37	0	0	111
SSW	1	11	58	60	0	0	130
SW	2	6	49	64	1	0	122
WSW	2	8	19	25	1	0	55
W	1	8	16	12	0	0	37
WNW	2	9	16	20	0	0	47
NW	3	6	28	9	1	0	47
NNW	4	8	20	14	0	0	46
TOT	34	137	554	365	3	0	1093

Hours of Calm Data: 0  
Hours of Invalid Data: 44

Meteorological Data  
Totals of Hours at Each Wind Speed & Direction

1-JAN-2007 00:00:00.00 to 31-DEC-2007 23:59:59.00

Stability Class: G

	Wind Speed at 60.00 Meter Level (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	0	3	6	7	0	0	16
NNE	1	4	17	5	0	0	27
NE	2	7	22	4	0	0	35
ENE	2	4	11	6	0	0	23
E	1	6	20	5	0	0	32
ESE	2	7	27	3	0	0	39
SE	3	14	16	4	0	0	37
SSE	3	12	19	7	0	0	41
S	1	9	39	22	0	0	71
SSW	5	5	34	17	3	0	64
SW	3	8	20	19	0	0	50
WSW	3	2	13	9	0	0	27
W	2	5	0	0	0	0	7
WNW	4	2	5	5	0	0	16
NW	3	5	4	1	0	0	13
NNW	4	4	5	2	0	0	15
TOT	39	97	258	116	3	0	513

Hours of Calm Data: 4  
 Hours of Invalid Data: 0  
 Hours of Good Data: 7731 = 88.3% of Total Hours