

# WOLF CREEK

NUCLEAR OPERATING CORPORATION

Michael J. Westman  
Manager Regulatory Affairs

August 7, 2013

RA 13-0091

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555

Reference: Letter RA 13-0052, dated April 29, 2013, from M. Westman, WCNOG, to  
USNRC

Subject: Docket No. 50-482: Correction to Wolf Creek Generating Station 2012  
Annual Radioactive Effluent Release Report – Report 36

Gentlemen:

Enclosed are corrected pages from the “Wolf Creek Generating Station 2012 Annual Radioactive Effluent Release Report – Report 36.” Subsequent to the original submittal of this report, numerous errors were discovered on pages 28-35 of the report in the “Hours at Each Wind Speed and Direction” tables for all stability classifications. These errors involved inaccurate trending data and the summation of the data in the tables, and had no impact on the curies released or the projected dose.

Wolf Creek Nuclear Operating Corporation (WCNOG) has corrected those errors and has enclosed corrected copies of the eight affected pages to replace those originally submitted in the reference. WCNOG regrets any inconvenience these errors may have caused.

This letter contains no commitments. If you have any questions concerning this matter, please contact me at (620) 364-4009 or Mr. William Mulenburg at (620) 364-4186.

Sincerely,



Michael J. Westman

MJW/rlt

Enclosure

cc: A. T. Howell (NRC), w/e  
C. F. Lyon (NRC), w/e  
N. F. O’Keefe (NRC), w/e  
Senior Resident Inspector (NRC), w/e

IE48  
NRC

**Enclosure to RA 13-0091**

**Corrected Pages 28-35 of the Wolf Creek Generating Station  
2012 Annual Radioactive Effluent Release Report – Report 36  
(8 pages)**

### Hours At Each Wind Speed and Direction

Period of Record:           JANUARY 1 THROUGH DECEMBER 31, 2012  
 Stability Class:             A  
 Elevation:                 10 Meters

Wind Direction	Wind Speed (mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
Cardinals							
N	0.75	7.00	28.00	28.00	6.25	0.00	70.00
NNE	1.00	22.50	36.50	15.50	0.75	0.00	76.25
NE	0.75	28.75	24.50	1.75	0.00	0.00	55.75
ENE	0.75	11.50	19.00	0.25	0.00	0.00	31.50
E	0.75	18.75	29.50	1.00	0.00	0.00	50.00
ESE	0.25	11.25	22.25	2.50	1.25	0.00	37.50
SE	1.25	13.75	23.50	4.00	0.00	0.00	42.50
SSE	1.75	23.00	85.75	48.25	15.00	4.75	178.50
S	1.50	19.75	74.50	116.75	43.50	16.00	272.00
SSW	0.50	10.75	36.50	78.00	11.25	0.75	137.75
SW	2.00	7.75	18.00	6.50	0.00	0.00	34.25
WSW	0.50	13.00	12.25	1.50	0.00	0.00	27.25
W	1.25	21.50	25.25	6.75	1.50	1.00	57.25
WNW	1.00	14.25	11.25	10.75	3.25	4.50	45.00
NW	0.25	7.50	13.75	25.75	8.00	0.00	55.25
NNW	0.00	5.75	18.00	40.50	10.50	0.75	75.50
Total	14.25	236.75	478.50	387.75	101.25	27.75	1246.25
Hours of Calm (<1.0 mph):	24.75						

### Hours At Each Wind Speed and Direction

Period of Record:           JANUARY 1 THROUGH DECEMBER 31, 2012  
 Stability Class:             B  
 Elevation:                 10 Meters

Wind Direction	Wind Speed (mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
Cardinals							
N	0.25	7.75	18.25	9.75	1.00	0.00	37.00
NNE	2.25	13.50	14.75	8.25	2.50	0.00	41.25
NE	1.50	20.50	5.50	0.25	0.00	0.00	27.75
ENE	0.75	7.25	5.25	0.50	0.00	0.00	13.75
E	1.25	9.75	8.75	0.50	0.00	0.00	20.25
ESE	0.50	7.25	4.50	0.25	0.75	0.00	13.25
SE	1.25	7.50	6.50	2.75	0.50	0.00	18.50
SSE	1.25	13.50	18.25	8.25	1.25	1.00	43.50
S	1.75	17.00	17.00	16.75	8.25	2.00	62.75
SSW	0.75	9.25	12.00	16.25	3.50	1.25	43.00
SW	0.50	5.25	4.25	2.00	0.00	0.00	12.00
WSW	1.25	11.25	2.00	1.00	0.00	0.00	15.50
W	1.00	10.50	7.50	1.00	0.50	0.25	20.75
WNW	1.25	6.75	5.50	1.75	1.25	1.00	17.50
NW	0.25	6.00	9.00	11.25	6.25	1.25	34.00
NNW	1.00	5.75	12.50	10.25	3.25	0.25	33.00
Total	16.75	158.75	151.50	90.75	29.00	7.00	453.75
Hours of Calm (<1.0 mph):	5.00						

### Hours At Each Wind Speed and Direction

Period of Record:           JANUARY 1 THROUGH DECEMBER 31, 2012  
 Stability Class:            C  
 Elevation:                 10 Meters

Wind Direction	Wind Speed (mph)						Total
	Cardinals	1-3	4-7	8-12	13-18	19-24	
N	1.75	12.00	12.75	11.50	2.00	0.25	40.25
NNE	2.50	14.75	15.50	7.25	1.00	0.00	41.00
NE	3.25	14.50	7.50	0.75	0.00	0.00	26.00
ENE	1.00	13.00	5.50	0.25	0.00	0.00	19.75
E	0.00	12.00	7.00	0.50	0.00	0.00	19.50
ESE	1.00	5.25	7.25	1.25	0.75	0.00	15.50
SE	1.50	9.25	6.75	3.00	1.50	0.00	22.00
SSE	1.50	18.25	16.00	9.50	1.50	0.50	47.25
S	3.00	16.00	12.50	14.25	7.25	4.75	57.75
SSW	2.00	9.00	12.50	15.00	4.75	1.50	44.75
SW	2.00	8.50	2.75	2.00	0.25	0.00	15.50
WSW	4.25	12.00	1.75	0.50	0.00	0.00	18.50
W	3.25	7.25	5.00	1.00	0.25	0.00	16.75
WNW	2.25	4.00	3.00	1.75	1.25	0.50	12.75
NW	1.50	4.50	4.75	10.25	5.25	1.75	28.00
NNW	2.00	4.25	11.25	10.00	4.50	0.25	32.25
Total	32.75	164.50	131.75	88.75	30.25	9.50	457.50
Hours of Calm (<1.0 mph):	3.50						

### Hours At Each Wind Speed and Direction

Period of Record:           JANUARY 1 THROUGH DECEMBER 31, 2012  
 Stability Class:             D  
 Elevation:                 10 Meters

Wind Direction	Wind Speed (mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
Cardinals							
N	10.25	42.50	84.50	59.75	14.25	1.25	212.50
NNE	15.00	71.00	60.50	30.00	0.50	0.00	177.00
NE	19.00	50.50	30.50	1.75	0.00	0.00	101.75
ENE	10.75	38.00	30.50	4.75	0.25	0.00	84.25
E	16.00	31.00	29.75	6.75	1.25	0.00	84.75
ESE	11.75	30.00	35.25	11.25	8.00	0.25	96.50
SE	12.00	50.00	43.00	12.50	2.25	0.00	119.75
SSE	14.25	41.25	113.25	109.50	31.50	3.75	313.50
S	10.25	49.50	127.00	142.25	66.75	20.25	416.00
SSW	10.50	43.00	62.75	56.25	14.50	1.25	188.25
SW	10.25	35.25	14.75	5.50	0.25	0.50	66.50
WSW	8.75	28.50	13.25	6.75	1.25	1.50	60.00
W	4.25	23.75	18.00	9.25	1.75	1.25	58.25
WNW	4.00	13.50	23.00	27.50	6.75	2.00	76.75
NW	4.50	25.75	52.00	58.25	31.50	12.50	184.50
NNW	4.25	46.25	85.25	90.75	25.50	3.75	255.75
Total	165.75	619.75	823.25	632.75	206.25	48.25	2496.00
Hours of Calm (<1.0 mph):	16.00						

Hours At Each Wind Speed and Direction

Period of Record: JANUARY 1 THROUGH DECEMBER 31, 2012  
 Stability Class: E  
 Elevation: 10 Meters

Wind Direction	Wind Speed (mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
Cardinals							
N	9.00	47.25	40.00	10.75	0.50	0.00	107.50
NNE	17.25	45.75	14.25	2.25	0.00	0.00	79.50
NE	21.50	48.00	9.75	0.50	0.00	0.00	79.75
ENE	7.25	42.50	9.00	0.00	0.00	0.00	58.75
E	12.75	41.25	19.50	1.25	0.00	0.00	74.75
ESE	14.00	50.25	33.25	3.25	0.00	0.00	100.75
SE	9.25	82.00	71.50	8.00	0.25	0.00	171.00
SSE	8.25	91.50	225.75	113.75	23.75	4.75	467.75
S	6.25	60.50	130.00	158.25	58.25	28.00	441.25
SSW	8.50	41.75	84.00	21.50	1.00	0.50	157.25
SW	11.50	48.00	11.50	2.75	0.00	0.00	73.75
WSW	13.75	32.50	12.00	4.25	0.25	0.00	62.75
W	4.50	27.75	12.00	4.00	0.25	0.00	48.50
WNW	5.25	24.25	18.00	10.75	0.75	0.00	59.00
NW	6.50	29.00	27.00	2.75	1.50	1.25	68.00
NNW	10.50	38.75	52.25	11.50	1.75	0.50	115.25
Total	166.00	751.00	769.75	355.50	88.25	35.00	2165.50
Hours of Calm (<1.0 mph):	58.50						

### Hours At Each Wind Speed and Direction

Period of Record:           JANUARY 1 THROUGH DECEMBER 31, 2012  
 Stability Class:             F  
 Elevation:                 10 Meters

Wind Direction	Wind Speed (mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
Cardinals							
N	9.50	68.25	6.00	0.25	0.00	0.00	84.00
NNE	28.00	51.00	3.50	0.00	0.00	0.00	82.50
NE	32.75	33.00	1.00	0.00	0.00	0.00	66.75
ENE	8.25	41.75	1.50	0.25	0.00	0.00	51.75
E	14.75	55.50	3.75	0.25	0.00	0.00	74.25
ESE	11.00	82.75	6.50	0.00	0.00	0.00	100.25
SE	18.50	110.00	11.00	0.00	0.00	0.00	139.50
SSE	11.25	71.25	42.75	2.50	0.00	0.00	127.75
S	7.75	28.00	18.00	14.00	3.00	0.00	70.75
SSW	9.50	17.75	12.00	2.00	0.00	0.00	41.25
SW	12.25	35.50	1.25	0.25	0.00	0.00	49.25
WSW	10.25	14.75	2.25	0.25	0.25	0.00	27.75
W	9.75	9.00	1.00	0.00	0.00	0.00	19.75
WNW	5.50	10.00	1.25	0.00	0.00	0.00	16.75
NW	6.75	19.75	3.50	0.00	0.00	1.00	31.00
NNW	10.50	47.25	11.00	0.25	0.00	0.00	69.00
Total	206.25	695.50	126.25	20.00	3.25	1.00	1052.25
Hours of Calm (<1.0 mph):	5.00						



Hours At Each Wind Speed and Direction

Period of Record: JANUARY 1 THROUGH DECEMBER 31, 2012  
 Stability Class: G  
 Elevation: 10 Meters

Wind Direction	Wind Speed (mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
Cardinals							
N	11.75	30.25	2.50	0.00	0.00	0.00	44.50
NNE	42.50	68.50	0.50	0.00	0.00	0.25	111.75
NE	51.75	34.75	0.25	0.00	0.00	0.00	86.75
ENE	8.50	40.50	1.75	0.00	0.00	0.00	50.75
E	11.75	48.00	2.50	0.00	0.00	0.00	62.25
ESE	9.75	65.25	0.25	0.00	0.00	0.00	75.25
SE	15.25	61.50	0.25	0.25	0.00	0.00	77.25
SSE	13.00	35.25	1.00	0.00	0.00	0.00	49.25
S	7.75	13.00	1.75	0.25	0.00	0.00	22.75
SSW	3.25	2.75	1.00	0.00	0.00	0.00	7.00
SW	3.25	3.75	0.25	0.00	0.00	0.00	7.25
WSW	6.00	2.75	0.00	0.00	0.00	0.00	8.75
W	4.25	3.25	0.00	0.00	0.00	0.00	7.50
WNW	8.75	2.25	0.00	0.00	0.00	0.00	11.00
NW	12.25	21.75	1.50	0.00	0.00	0.25	35.75
NNW	10.00	24.75	10.50	0.00	0.00	0.00	45.25
Total	219.75	458.25	24.00	0.50	0.00	0.50	703.00
Hours of Calm (<1.0 mph):	7.25						

Hours At Each Wind Speed and Direction

Period of Record: JANUARY 1 THROUGH DECEMBER 31, 2012  
 Stability Class: ALL  
 Elevation: 10 Meters

Wind Direction	Wind Speed (mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	43.25	215.00	192.00	120.00	24.00	1.50	595.75
NNE	108.50	287.00	145.50	63.25	4.75	0.25	609.25
NE	130.50	230.00	79.00	5.00	0.00	0.00	444.50
ENE	37.25	194.50	72.50	6.00	0.25	0.00	310.50
E	57.25	216.25	100.75	10.25	1.25	0.00	385.75
ESE	48.25	252.00	109.25	18.50	10.75	0.25	439.00
SE	59.00	334.00	162.50	30.50	4.50	0.00	590.50
SSE	51.25	294.00	502.75	291.75	73.00	14.75	1227.50
S	38.25	203.75	380.75	462.50	187.00	71.00	1343.25
SSW	35.00	134.25	220.75	189.00	35.00	5.25	619.25
SW	41.75	144.00	52.75	19.00	0.50	0.50	258.50
WSW	44.75	114.75	43.50	14.25	1.75	1.50	220.50
W	28.25	103.00	68.75	22.00	4.25	2.50	228.75
WNW	28.00	75.00	62.00	52.50	13.25	8.00	238.75
NW	32.00	114.25	111.50	108.25	52.50	18.00	436.50
NNW	38.25	172.75	200.75	163.25	45.50	5.50	626.00
Total	821.50	3084.50	2505.00	1576.00	458.25	129.00	8574.25
Hours of Calm (<1.0 mph):	120.00		Maximum Hours of Invalid Data:	89.75			