



AMERICA'S NUCLEAR SOLUTION

June 15, 2016

VIA EMAIL AND FEDERAL EXPRESS

Harry Felsher, Sr. Project Manager
Low-Level Waste Branch
Division of Decommissioning, Uranium Recovery and Waste Programs
Office of Nuclear Material Safety and Safeguards
Attention: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington D.C. 20555-0001

References: (1) NRC Docket No. 70-7005

- (2) NRC Issuance of New Order dated December 3, 2014 (Superseding a Previously Issued Order of October 20, 2009 (2009 Order)) in Response to a July 18, 2014 Request by Letter from J. Scott Kirk (WCS) to Catherine Haney (NRC), New Order; (ML14238A268)
- (3) Letter from J. Scott Kirk (WCS) to Mr. Scott Moore (NRC) re: Request for Storage Time Extension in NRC Exemption Order, Order Condition 8.B.4 for WIPP-Bound LANL Waste in Storage at WCS, dated March 28, 2016 (ML16095A361)
- (4) Agreed Order between the TCEQ and WCS, TCEQ Docket No. 2015-0514-RAW-E; License R04100; dated December 9, 2015, signed December 10, 2015

Subject: Response to the Nuclear Regulatory Commission's Request for Information dated June 6, 2016

Dear Mr. Felsher,

This letter responds to the U. S. Nuclear Regulatory Commission's (NRC's) June 6, 2016 request for information regarding Waste Control Specialists LLC' (WCS) request to extend the time period in Condition 8.B.4 of its Special Nuclear Materials (SNM) Order (Reference 2). The Order permits WCS possession of the U.S. Department of Energy (DOE) Los Alamos National Laboratory (LANL) waste for two years. WCS seeks to extend the time period to December 23, 2018 (Reference 3). This extension is necessary in order for the DOE and WCS to develop safe and effective treatment, handling and disposal procedures for the LANL waste.

Corporate
5430 LBJ Freeway, Ste. 1700
Three Lincoln Centre
Dallas, TX 75240
972-715-9800
Fax. 972-448-1419

Facility
P.O. Box 1129
Andrews, TX 79714
888-789-2783
Fax. 432-525-8902

Specifically, NRC requested: 1) any available information that could impact the safety basis for the currently effective SNM Order related to storage of LANL waste at the WCS facility, including data on monitoring of temperature and any temperature spikes; 2) relevant information from the March 22, 2016 hearing held at the Defense Nuclear Facilities Safety Board (DNFSB); 3) relevant information from the April 29, 2016 meeting between the Texas Commission on Environmental Quality (TCEQ), DOE, LANL, Waste Isolation Pilot Project (WIPP), Carlsbad Field Office (CBFO), Nuclear Waste Partnership (NWP) and WCS; and 4) other interactions WCS has had with the DOE about WCS' storage of the LANL TRU waste.

- 1) Any available information that could impact the safety basis for the currently effective SNM Order related to storage of LANL waste at the WCS facility, including data on monitoring of temperature and any temperature spikes

Enclosed are WCS' records of daily work day temperatures to date. Thermocouples were placed within each Modular Concrete Canister (MCC) that was placed into the Federal Waste Facility to monitor heat generation within the MCC and act as an initial indicator of increased temperatures. The monitoring will detect a sudden spike of temperatures within any particular MCC. Daily temperature monitoring has shown that temperatures within the MCCs are consistent and stable and typically fluctuate with ambient temperatures. Thus far the monitoring has not detected any sudden temperature spikes.

- 2) Relevant information from the March 22, 2016 hearing held at the Defense Nuclear Facilities Safety Board (DNFSB)

WCS was not in attendance nor invited to the March 22, 2016 DNFSB hearing and therefore cannot provide any updates from the hearing.

- 3) Relevant information from the April 29, 2016 meeting by and among TCEQ, DOE, WIPP, CBFO, NWP and WCS

On February 26, 2016, in accordance with TCEQ's Agreed Order, Docket No. 2015-0514-RAW-E, WCS submitted a Plan for Disposition of LANL TRU Waste in Storage at WCS (the "Plan") to TCEQ (Reference 4). The Plan was developed jointly with the DOE, the owner and generator of the LANL TRU waste, and WCS. WCS provided the Plan to the NRC in its March 28, 2016 letter. DOE submitted an identical report in accordance with TCEQ's Agreed Order, Docket No. 2015-1139-IHW-E. The Plan discusses the different waste characteristics and health and safety concerns associated with the LANL TRU waste stored at WCS and divides the waste into three categories: Types 1, 2, and 3. The Plan also provides a waste disposition alternative analysis with recommendations on a potential path forward for each waste type.

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As a follow up to the DOE and WCS submittals of the Plan to TCEQ, in accordance with our enforcement orders, WCS, DOE, CBFO, NWP, LANL and WIPP held a meeting with TCEQ on April 29, 2016 to address any questions TCEQ had on the Plan and to brief TCEQ on updates and progress. DOE reported on information gained from its testing at LANL on the inventory of Type 3 waste located at LANL and potential Type 3 handling and treatment options. The information being developed by DOE may be applicable to potential handling and treatment options at WCS. Also, TCEQ was updated on preliminary options for WIPP-certified Type 1 waste and enhanced verification procedures that will take place for those waste streams prior to shipment to WIPP. Finally, the parties discussed planning for a May 5, 2016 meeting among technical experts for each organization at the WCS Andrews facility to begin discussions about options for Type 2 waste.

4) Other interactions WCS has had with the DOE about WCS' storage of TRU LANL waste

At the May 5, 2016 meeting, WCS and DOE discussed options for handling and treatment of Type 2 waste at WCS. WCS will continue to coordinate closely with DOE as DOE develops additional technical information and to work jointly with DOE to comply with the respective TCEQ enforcement orders.

Please let me know if you have further questions regarding the information provided in this response.

WCS requests that a copy of all correspondence regarding this matter be directly emailed to my attention (skirk@valhi.net) as soon as possible after issuance. If you have any questions or need additional information, please call me at 972-450-4284.

Sincerely,



J. Scott Kirk, CHP
Vice President of Licensing and Regulatory Affairs

Enclosure: Temperature Data

Cc: Charles Maguire, TCEQ
Rodney Baltzer, WCS
Elicia Sanchez, WCS
Jay Britten, WCS

Courtney Riley, WCS
Betsy Madru, WCS
WCS Regulatory Compliance
WCS Records Management

MCC Temperature Data
Attachment to Waste Control Specialists LLC
6-15-16 Response to NRC 6-6-16 RFI

Daily High Temp/F				40	44	50	55	47			46	60	60	64	56		
DATE	1/1/2016	1/2/2016	1/3/2016	1/4/2016	1/5/2016	1/6/2016	1/7/2016	1/8/2016	1/9/2016	1/10/2016	1/11/2016	1/12/2016	1/13/2016	1/14/2016	1/15/2016	1/16/2016	1/17/2016
MCC:	Temp Checks Not Required			deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F
C-0264*				60	55	52	56	54			49	68	78	69	66		
C-0315*				64	44	54	59	60			52	64	73	73	72		
C-0266				63	65	56	69	65			63	73	82	87	80		
C-0267*				67	55	57	58	57			62	63	70	73	75		
C-0262				57	55	54	59	55			57	64	69	69	66		
C-0273				56	50	48	60	54			52	66	75	78	72		
C-0278				69	56	61	74	58			70	75	83	83	77		
C-0281				75	63	66	79	59			75	81	88	96	84		
C-0277				59	55	54	68	65			72	72	72	81	69		
C-0280				53	48	42	56	51			51	62	72	75	70		
C-0274				63	64	55	59	63			55	65	70	70	69		
C-0272*				63	54	50	60	54			68	65	71	74	68		
C-0271				71	54	62	70	54			77	73	75	92	79		
C-0279				63	63	53	59	63			64	63	69	91	68		
C-0275				64	54	53	59	68			58	64	70	75	69		
C-0276				65	56	57	69	58			67	73	82	83	69		
C-0286				64	64	55	60	64			62	63	71	72	77		
C-0282				56	56	48	62	58			57	65	73	78	71		
C-0283				68	55	61	75	54			73	75	82	90	79		
C-0287				58	53	47	62	54			53	62	75	69	70		
C-0284				55	63	47	59	64			53	64	73	81	70		
C-0285				67	45	59	71	58			67	74	82	83	77		
C-0290				54	59	45	57	62			53	62	72	80	70		
C-0292				60	60	53	66	63			53	68	74	72	69		
C-0293				65	59	55	59	60			63	66	71	69	67		
C-0289				66	60	59	73	61			70	75	81	83	77		
C-0291				58	55	47	63	58			59	68	78	81	76		
C-0288*				71	60	66	79	62			76	78	86	85	79		
C-0295				68	55	63	75	66			73	77	82	86	77		
C-0294				54	42	45	59	49			55	63	71	73	67		
C-0470				66	49	60	73	50			69	74	81	88	76		

Daily High Temp/F				40	44	50	55	47			46	60	60	64	56		
DATE	1/1/2016	1/2/2016	1/3/2016	1/4/2016	1/5/2016	1/6/2016	1/7/2016	1/8/2016	1/9/2016	1/10/2016	1/11/2016	1/12/2016	1/13/2016	1/14/2016	1/15/2016	1/16/2016	1/17/2016
MCC:	Temp Checks Not Required			deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F
R-0020--E				65	65	58	72	65			70	74	82	86	77		
R-0020--W				61	56	55	67	56			61	71	80	82	67		
R-0021--E				57	51	57	63	61			67	69	72	71	70		
R-0021--W				59	55	54	66	60			60	74	79	81	78		
R-0024*--E				57	68	54	60	64			64	66	69	72	68		
R-0024*--W				60	54	58	69	70			56	68	72	75	71		
R-0027--E				65	55	55	66	57			64	72	81	82	78		
R-0027--W				63	54	53	67	71			62	65	81	74	79		

****Temperatures are monitored everyday at the same time. Between 2:00pm and 4:00pm****

 Indicates date MCC was moved to FWF Cell.

MCC Temperature Data
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Daily High Temp/F	50	59	61	54	53			56	40	49	67	70			63	51
DATE	1/18/2016	1/19/2016	1/20/2016	1/21/2016	1/22/2016	1/23/2016	1/24/2016	1/25/2016	1/26/2016	1/27/2016	1/28/2016	1/29/2016	1/30/2016	1/31/2016	2/1/2016	2/2/2016
MCC:	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F
C-0264*	62	66	67	56	60			72	46	52	78	72			90	59
C-0315*	60	76	78	56	68			63	47	54	74	73			72	64
C-0266	69	84	86	64	60			78	50	61	94	96			93	66
C-0267*	62	66	68	56	65			66	36	53	88	94			89	58
C-0262	56	66	68	57	67			65	48	57	73	73			71	57
C-0273	61	78	80	58	65			72	44	55	89	90			88	60
C-0278	72	86	87	67	62			80	58	68	96	95			93	66
C-0281	74	88	89	68	60			79	58	70	98	97			93	67
C-0277	63	70	82	63	68			75	66	63	93	75			88	65
C-0280	61	75	76	54	66			67	38	52	84	89			85	57
C-0274	61	66	68	57	65			64	53	57	74	74			72	64
C-0272*	59	66	79	57	66			65	55	57	74	73			72	63
C-0271	77	86	88	74	68			83	62	72	80	74			72	67
C-0279	61	66	68	56	66			73	51	57	73	74			71	58
C-0275	61	84	68	56	65			63	52	54	93	73			72	59
C-0276	68	84	86	64	64			78	51	64	94	95			93	64
C-0286	60	75	78	58	65			66	56	56	75	75			72	65
C-0282	60	77	78	56	67			70	43	57	87	88			86	60
C-0283	65	70	72	68	68			80	57	65	80	93			72	66
C-0287	66	80	80	58	62			71	45	57	91	93			89	66
C-0284	60	76	78	56	68			72	42	55	86	88			86	58
C-0285	69	85	86	65	63			78	50	64	94	94			92	67
C-0290	58	75	76	54	68			70	40	50	84	87			85	58
C-0292	68	78	73	67	67			75	51	64	90	88			86	63
C-0293	60	67	70	57	66			74	56	58	75	74			72	64
C-0289	71	84	86	66	63			78	56	66	95	94			91	65
C-0291	58	75	67	56	68			70	43	54	87	94			89	62
C-0288*	78	88	90	73	60			83	60	71	99	97			94	67
C-0295	75	85	87	72	65			82	59	71	96	93			91	68
C-0294	59	75	76	55	67			70	43	59	86	87			85	62
C-0470	72	84	85	66	63			78	56	65	98	93			91	66

Daily High Temp/F	50	59	61	54	53			56	40	49	67	70			63	51
DATE	1/18/2016	1/19/2016	1/20/2016	1/21/2016	1/22/2016	1/23/2016	1/24/2016	1/25/2016	1/26/2016	1/27/2016	1/28/2016	1/29/2016	1/30/2016	1/31/2016	2/1/2016	2/2/2016
MCC:	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F
R-0020--E	69	84	85	64	64			69	60	65	78	94			91	65
R-0020--W	57	83	84	62	63			66	55	57	92	73			72	60
R-0021--E	62	69	72	59	68			68	59	63	88	75			88	65
R-0021--W	61	83	83	62	60			73	44	59	90	96			91	63
R-0024*--E	65	67	68	56	61			63	51	53	74	72			72	58
R-0024*--W	62	69	71	60	70			67	57	62	76	74			72	60
R-0027--E	68	84	85	63	58			75	55	61	93	96			93	66
R-0027--W	60	67	69	57	67			73	48	59	91	95			92	64

Indicates MCCs containing 'Suspect' SWBs and moved to FWF

E. & W. Indicate the direction of closest temp monitoring cord. This has changed from N. & S. on the Rectangles because of the new placement direction in the FWF.

MCC Temperature Data
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6-15-16 Response to NRC 6-6-16 RFI

Daily High Temp/F	40	48	50			48	59	71	68	71			59	67	73	77	82
DATE	2/3/2016	2/4/2016	2/5/2016	2/6/2016	2/7/2016	2/8/2016	2/9/2016	2/10/2016	2/11/2016	2/12/2016	2/13/2016	2/14/2016	2/15/2016	2/16/2016	2/17/2016	2/18/2016	2/19/2016
MCC:	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F
C-0264*	54	61	68			58	69	74	71	82			67	56	77	63	70
C-0315*	59	66	65			62	70	76	70	74			69	71	75	81	73
C-0266	52	65	67			68	85	97	86	102			84	86	101	110	107
C-0267*	47	67	68			60	82	98	83	101			80	84	102	111	107
C-0262	54	64	69			62	69	77	68	72			68	69	74	81	78
C-0273	46	62	67			59	80	93	81	95			79	81	99	106	107
C-0278	48	64	62			62	84	95	83	99			82	84	101	108	110
C-0281	63	77	64			74	91	98	88	100			86	87	98	107	103
C-0277	58	63	65			61	81	91	70	72			69	71	77	80	74
C-0280	43	61	70			57	78	95	79	95			78	80	98	107	105
C-0274	57	63	65			59	68	76	69	74			66	71	73	79	75
C-0272*	60	67	60			62	72	75	70	75			69	71	74	81	73
C-0271	69	69	61			67	74	97	71	73			72	73	75	82	106
C-0279	57	64	63			59	66	76	69	75			68	70	74	81	75
C-0275	59	68	63			61	70	76	70	76			69	71	74	82	73
C-0276	48	65	63			62	84	72	85	99			81	84	102	108	110
C-0286	57	64	58			51	70	75	69	73			71	81	75	80	106
C-0282	46	60	62			58	79	89	80	93			79	81	96	105	102
C-0283	63	71	54			66	73	72	70	72			71	73	74	80	91
C-0287	47	65	60			62	81	97	83	101			80	83	101	110	111
C-0284	54	67	60			63	81	90	80	94			81	83	94	105	102
C-0285	47	64	60			58	83	95	85	98			81	83	101	108	109
C-0290	52	66	60			62	81	91	80	95			80	82	95	106	101
C-0292	45	62	60			61	70	90	70	92			78	80	76	75	76
C-0293	56	62	59			57	69	75	68	72			66	69	77	81	77
C-0289	50	63	54			62	83	94	84	97			81	84	96	107	108
C-0291	48	63	58			61	83	98	84	73			68	70	77	81	76
C-0288*	50	66	58			63	85	97	87	99			83	85	102	109	111
C-0295	52	63	58			66	85	95	86	98			82	85	100	109	106
C-0294	44	58	55			55	76	88	78	93			77	80	97	105	105
C-0470	63	71	56			66	74	93	85	73			72	86	77	108	106

Daily High Temp/F	40	48	50			48	59	71	68	71			59	67	73	77	82
DATE	2/3/2016	2/4/2016	2/5/2016	2/6/2016	2/7/2016	2/8/2016	2/9/2016	2/10/2016	2/11/2016	2/12/2016	2/13/2016	2/14/2016	2/15/2016	2/16/2016	2/17/2016	2/18/2016	2/19/2016
MCC:	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F
R-0020--E	51	62	57			61	70	73	75	73			68	71	76	81	74
R-0020--W	47	63	60			58	69	73	68	74			67	70	74	80	110
R-0021--E	57	61	59			59	70	72	68	71			68	70	77	81	77
R-0021--W	54	63	57			63	81	101	75	103			82	70	101	83	113
R-0024*--E	61	68	60			65	69	77	71	77			71	73	76	81	73
R-0024*--W	67	69	61			64	73	98	70	74			69	72	75	80	73
R-0027--E	50	66	53			68	72	100	87	104			84	86	104	112	114
R-0027--W	60	73	55			69	89	101	87	102			87	89	101	110	108

MCC Temperature Data
Attachment to Waste Control Specialists LLC
6-15-16 Response to NRC 6-6-16 RFI

Daily High Temp/F			52	46	53	51	59			75	59	77	66	73			70	65
DATE	2/20/2016	2/21/2016	2/22/2016	2/23/2016	2/24/2016	2/25/2016	2/26/2016	2/27/2016	2/28/2016	2/29/2016	3/1/2016	3/2/2016	3/3/2016	3/4/2016	3/5/2016	3/6/2016	3/7/2016	3/8/2016
MCC:	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F
C-0264*			72	60	64	69	68			81	70	78	72	80			80	74
C-0315*			71	73	68	69	71			81	68	78	72	78			75	71
C-0266			71	62	65	66	78			104	83	103	94	100			94	88
C-0267*			70	60	61	69	67			104	80	104	93	104			93	89
C-0262			66	64	62	69	67			81	70	77	74	102			74	73
C-0273			69	57	60	69	76			101	80	101	92	95			92	87
C-0278			69	55	62	68	69			104	55	77	72	100			91	89
C-0281			75	65	75	68	89			104	80	101	90	100			88	90
C-0277			70	73	67	69	74			101	63	100	71	75			69	88
C-0280			67	57	62	70	74			102	80	101	91	100			90	96
C-0274			69	70	63	69	69			81	70	77	71	76			73	70
C-0272*			72	73	67	67	71			81	70	78	86	78			75	71
C-0271			74	79	71	68	74			83	70	101	71	74			70	74
C-0279			69	69	65	68	64			80	66	78	70	75			73	69
C-0275			70	73	68	66	71			81	70	78	80	78			75	71
C-0276			68	55	60	68	76			104	80	103	93	100			92	88
C-0286			68	71	66	68	70			79	70	78	71	75			75	70
C-0282			69	60	63	65	74			100	80	100	90	90			90	87
C-0283			73	77	70	68	74			81	70	78	71	75			70	73
C-0287			67	53	61	67	75			105	80	103	84	103			93	90
C-0284			74	62	66	67	76			100	80	100	90	95			89	90
C-0285			68	54	59	64	75			104	80	102	93	90			92	89
C-0290			72	62	66	66	75			99	80	99	90	100			87	89
C-0292			68	54	65	64	70			100	70	78	89	75			70	72
C-0293			69	68	64	67	69			80	70	78	72	76			75	69
C-0289			69	56	64	69	76			103	54	102	92	90			90	87
C-0291			68	57	63	69	69			83	73	80	74	80			70	71
C-0288*			70	56	60	61	77			105	84	103	93	95			91	89
C-0295			72	62	65	64	77			105	83	101	92	90			92	89
C-0294			68	56	63	63	75			101	80	100	92	100			90	87
C-0470			79	64	67	65	77			103	63	78	88	77			68	73

Daily High Temp/F			52	46	53	51	59			75	59	77	66	73			70	65
DATE	2/20/2016	2/21/2016	2/22/2016	2/23/2016	2/24/2016	2/25/2016	2/26/2016	2/27/2016	2/28/2016	2/29/2016	3/1/2016	3/2/2016	3/3/2016	3/4/2016	3/5/2016	3/6/2016	3/7/2016	3/8/2016
MCC:	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F
R-0020--E			69	72	65	65	70			82	68	79	72	75			73	70
R-0020--W			66	54	63	69	70			80	70	103	79	70			73	73
R-0021--E			68	67	65	69	67			81	68	78	75	75			75	69
R-0021--W			65	64	64	61	67			82	83	79	78	104			91	91
R-0024*--E			71	74	68	66	72			81	70	79	74	78			74	72
R-0024*--W			74	76	70	69	75			84	70	79	72	74			75	73
R-0027--E			71	57	64	67	78			106	83	105	80	103			93	92
R-0027--W			76	66	70	68	79			106	84	105	82	105			93	93

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Daily High Temp/F	60	63	65			74	75	73	66	61			66	80	72	56		
DATE	3/9/2016	3/10/2016	3/11/2016	3/12/2016	3/13/2016	3/14/2016	3/15/2016	3/16/2016	3/17/2016	3/18/2016	3/19/2016	3/20/2016	3/21/2016	3/22/2016	3/23/2016	3/24/2016	3/25/2016	3/26/2016
MCC:	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F
C-0264*	74	71	77			70	69	76	75	62			74	82	75	80		
C-0315*	68	83	73			70	73	95	70	69			73	79	74	73		
C-0266	75	70	83			70	87	75	80	68			81	100	84	77		
C-0267*	73	82	85			89	87	95	85	70			84	104	86	75		
C-0262	68	69	74			72	72	75	70	66			71	82	73	75		
C-0273	72	71	83			84	86	77	80	67			82	102	85	76		
C-0278	72	71	80			75	86	96	80	64			80	103	85	80		
C-0281	70	80	81			85	85	95	80	69			84	96	84	77		
C-0277	65	81	83			72	74	80	70	69			82	81	75	75		
C-0280	72	80	83			85	85	98	82	67			82	102	85	75		
C-0274	68	69	74			70	73	98	68	67			71	82	73	73		
C-0272*	68	80	74			72	73	98	68	70			74	79	74	73		
C-0271	68	79	77			70	76	98	70	72			74	75	72	75		
C-0279	67	69	73			70	73	76	70	67			71	81	73	74		
C-0275	66	78	73			72	73	97	70	69			73	80	73	73		
C-0276	70	69	81			85	85	76	80	65			80	103	85	77		
C-0286	68	79	74			83	74	98	68	67			72	82	73	75		
C-0282	70	78	81			85	86	98	80	69			82	100	85	75		
C-0283	68	80	73			70	76	98	70	71			73	76	72	74		
C-0287	72	79	83			85	86	99	83	65			80	103	85	75		
C-0284	72	70	81			84	85	76	80	71			82	96	85	77		
C-0285	70	78	81			85	85	96	80	65			79	103	84	78		
C-0290	71	69	82			84	85	97	80	70			82	96	85	75		
C-0292	70	69	82			84	73	98	70	65			71	102	84	77		
C-0293	70	70	74			70	73	77	68	66			71	83	74	74		
C-0289	72	70	81			85	85	98	85	65			82	101	85	76		
C-0291	68	80	73			72	73	77	72	67			80	82	70	74		
C-0288*	74	82	83			85	86	98	85	65			71	90	72	78		
C-0295	75	72	84			86	86	77	85	69			82	99	85	77		
C-0294	73	69	82			87	87	75	84	68			83	103	85	77		
C-0470	68	69	75			70	74	78	70	72			73	80	66	73		

Daily High Temp/F	60	63	65			74	75	73	66	61			66	80	72	56		
DATE	3/9/2016	3/10/2016	3/11/2016	3/12/2016	3/13/2016	3/14/2016	3/15/2016	3/16/2016	3/17/2016	3/18/2016	3/19/2016	3/20/2016	3/21/2016	3/22/2016	3/23/2016	3/24/2016	3/25/2016	3/26/2016
MCC:	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F
R-0020--E	65	68	72			70	73	78	80	69			73	81	74	75		
R-0020--W	70	68	73			70	72	75	70	65			80	82	73	77		
R-0021--E	68	71	72			73	73	75	68	66			72	83	74	73		
R-0021--W	68	70	75			73	87	75	83	66			83	104	88	73		
R-0024*--E	68	69	74			72	73	79	84	71			72	78	87	76		
R-0024*--W	68	70	71			73	75	81	70	71			73	76	73	74		
R-0027--E	75	77	86			86	88	74	83	67			83	106	87	80		
R-0027--W	75	70	74			70	74	75	68	69			84	77	87	80		

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Daily High Temp/F		71	78	76	50	39			76	80	66	79	67			69	50	63
DATE	3/27/2016	3/28/2016	3/29/2016	3/30/2016	3/31/2016	4/1/2016	4/2/2016	4/3/2016	4/4/2016	4/5/2016	4/6/2016	4/7/2016	4/8/2016	4/9/2016	4/10/2016	4/11/2016	4/12/2016	4/13/2016
MCC:	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F
C-0264*		75	88	78	63	52			84	80	71	83	69			87	68	83
C-0315*		74	83	76	68	64			80	80	70	81	69			72	79	73
C-0266		90	104	84	73	46			96	100	84	101	76			78	66	76
C-0267*		90	105	92	73	53			99	105	87	102	77			83	59	80
C-0262		73	83	74	65	62			82	79	68	82	71			69	69	74
C-0273		90	104	92	73	47			97	100	83	100	77			79	63	80
C-0278		86	105	90	72	46			96	98	84	100	79			81	60	80
C-0281		87	103	86	76	50			98	100	80	100	76			76	73	81
C-0277		72	85	89	73	45			95	97	82	84	69			71	79	74
C-0280		88	103	91	71	46			98	101	83	100	76			81	61	78
C-0274		73	82	74	64	65			75	78	68	82	70			71	76	70
C-0272*		73	84	94	68	63			80	82	71	82	69			73	81	73
C-0271		72	86	79	71	67			73	75	72	82	70			72	81	72
C-0279		74	83	77	69	65			80	80	70	82	71			71	75	72
C-0275		73	83	75	68	62			80	80	72	81	68			73	75	73
C-0276		86	103	84	71	44			96	99	81	99	78			78	58	78
C-0286		73	103	90	67	63			95	79	71	82	74			72	76	72
C-0282		87	103	90	73	52			96	99	79	100	75			80	66	80
C-0283		72	84	85	70	64			73	75	71	82	69			72	82	70
C-0287		90	102	89	72	50			98	102	85	100	79			82	59	78
C-0284		88	103	90	77	50			96	100	82	101	77			78	74	77
C-0285		86	103	90	71	45			97	98	81	100	78			80	59	78
C-0290		87	103	88	76	50			96	100	82	101	77			79	71	76
C-0292		86	104	90	73	46			93	96	82	84	78			82	65	80
C-0293		73	83	76	65	65			75	80	71	82	70			70	72	70
C-0289		86	104	90	72	47			95	98	83	100	77			80	64	80
C-0291		74	83	76	66	60			82	82	68	82	71			73	72	74
C-0288*		86	105	90	72	45			95	97	84	83	77			72	71	72
C-0295		87	105	90	73	48			94	97	83	101	76			82	69	80
C-0294		89	105	92	73	48			97	99	83	102	79			82	65	81
C-0470		88	85	91	68	47			95	97	82	102	77			82	83	73

Daily High Temp/F		71	78	76	50	39			76	80	66	79	67			69	50	63
DATE	3/27/2016	3/28/2016	3/29/2016	3/30/2016	3/31/2016	4/1/2016	4/2/2016	4/3/2016	4/4/2016	4/5/2016	4/6/2016	4/7/2016	4/8/2016	4/9/2016	4/10/2016	4/11/2016	4/12/2016	4/13/2016
MCC:	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F
R-0020--E		93	84	88	66	63			70	78	70	82	75			70	66	77
R-0020--W		89	84	90	65	63			80	78	73	82	71			69	70	78
R-0021--E		72	84	74	65	65			75	78	69	82	71			69	74	73
R-0021--W		74	84	74	66	62			83	80	73	101	72			82	68	73
R-0024*--E		74	84	76	67	57			98	79	67	82	71			73	79	80
R-0024*--W		72	83	75	69	65			76	77	70	84	70			72	83	73
R-0027--E		90	106	87	65	49			98	104	85	102	71			70	69	80
R-0027--W		90	105	93	79	48			90	103	85	82	69			84	72	80

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Daily High Temp/F	73	78			65	67	71	73	73			85	80	78	81	78	
DATE	4/14/2016	4/15/2016	4/16/2016	4/17/2016	4/18/2016	4/19/2016	4/20/2016	4/21/2016	4/22/2016	4/23/2016	4/24/2016	4/25/2016	4/26/2016	4/27/2016	4/28/2016	4/29/2016	4/30/2016
MCC:	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F
C-0264*	75	77			81	88	72	73	76			85	97	74	81	76	
C-0315*	79	76			67	73	71	71	73			84	80	74	79	74	
C-0266	95	93			74	84	83	85	89			100	94	81	96	81	
C-0267*	78	78			80	88	89	90	95			85	80	86	105	87	
C-0262	81	77			70	75	73	73	76			84	80	75	83	76	
C-0273	96	95			76	85	85	88	93			104	95	85	102	86	
C-0278	98	93			77	85	84	87	92			96	94	83	99	82	
C-0281	97	90			74	84	81	85	86			92	87	80	93	77	
C-0277	80	75			67	74	72	72	74			78	82	74	81	75	
C-0280	96	94			76	85	85	88	93			105	90	85	102	85	
C-0274	79	75			65	75	70	72	74			82	80	74	79	74	
C-0272*	79	77			68	74	71	71	73			84	80	73	79	74	
C-0271	80	73			71	76	74	74	74			75	80	75	98	75	
C-0279	79	77			68	75	70	72	75			85	81	75	81	75	
C-0275	78	76			67	74	71	71	72			84	82	74	80	75	
C-0276	97	93			76	84	83	87	91			98	90	82	99	82	
C-0286	95	75			68	76	72	73	74			83	80	75	80	75	
C-0282	95	93			75	87	86	87	91			101	96	84	101	83	
C-0283	79	73			70	75	73	74	72			76	78	74	80	74	
C-0287	98	95			76	87	84	89	93			106	95	85	102	83	
C-0284	95	93			76	87	85	88	90			102	96	85	98	85	
C-0285	98	90			76	84	83	87	91			98	95	82	99	82	
C-0290	95	93			76	87	85	87	86			103	96	85	99	85	
C-0292	95	90			75	85	87	88	92			96	80	86	81	85	
C-0293	78	75			68	74	72	72	94			83	93	75	83	75	
C-0289	95	90			73	83	83	86	90			95	93	82	97	81	
C-0291	95	77			70	75	71	73	75			85	80	75	91	75	
C-0288*	81	75			71	75	84	87	88			92	93	82	98	81	
C-0295	95	90			74	85	85	86	88			93	80	75	97	84	
C-0294	97	95			76	87	87	91	95			103	96	75	104	89	
C-0470	79	75			69	88	73	87	74			97	96	85	79	85	

Daily High Temp/F	73	78			65	67	71	73	73			85	80	78	81	78	
DATE	4/14/2016	4/15/2016	4/16/2016	4/17/2016	4/18/2016	4/19/2016	4/20/2016	4/21/2016	4/22/2016	4/23/2016	4/24/2016	4/25/2016	4/26/2016	4/27/2016	4/28/2016	4/29/2016	4/30/2016
MCC:	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F
R-0020--E	93	90			72	84	72	84	74			80	80	75	80	75	
R-0020--W	82	95			71	75	83	75	97			83	80	75	100	75	
R-0021--E	80	75			67	74	71	73	75			82	81	76	82	76	
R-0021--W	82	78			69	85	73	74	93			105	83	75	100	75	
R-0024*--E	79	77			69	75	72	73	90			84	97	75	79	86	
R-0024*--W	79	74			70	76	72	74	75			82	80	74	79	75	
R-0027--E	82	76			78	75	86	90	94			83	95	86	103	85	
R-0027--W	96	95			77	75	85	72	73			103	80	84	78	84	

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Daily High Temp/F		65	74	75	82	84			80	86	87	73	84			86	58
DATE	5/1/2016	5/2/2016	5/3/2016	5/4/2016	5/5/2016	5/6/2016	5/7/2016	5/8/2016	5/9/2016	5/10/2016	5/11/2016	5/12/2016	5/13/2016	5/14/2016	5/15/2016	5/16/2016	5/17/2016
MCC:	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F
C-0264*		68	62	75	73	84			79	82	87	73	88			81	65
C-0315*		69	75	73	78	85			77	81	80	73	85			81	67
C-0266		66	83	87	99	99			86	95	101	82	102			96	53
C-0267*		69	89	76	98	110			91	103	105	77	110			104	57
C-0262		70	76	76	78	85			78	82	81	79	84			83	64
C-0273		69	88	92	102	102			90	99	106	74	107			102	57
C-0278		64	86	89	101	97			86	91	103	80	106			97	52
C-0281		72	84	87	98	95			81	87	96	71	99			97	55
C-0277		74	78	79	102	78			78	74	85	87	87			82	67
C-0280		68	87	89	100	109			91	101	104	80	107			101	57
C-0274		70	74	71	78	83			79	81	82	75	85			81	65
C-0272*		70	75	75	79	79			77	81	81	73	85			81	67
C-0271		72	74	78	82	76			77	73	85	71	85			81	68
C-0279		71	77	75	75	85			78	82	80	76	86			81	65
C-0275		70	75	73	75	84			76	82	81	75	85			81	67
C-0276		64	85	90	99	98			86	94	101	81	105			97	51
C-0286		69	86	75	79	79			78	80	79	75	86			80	66
C-0282		70	86	90	102	101			89	97	105	87	107			100	58
C-0283		71	74	77	81	77			76	72	85	72	84			80	67
C-0287		66	88	86	98	107			89	102	101	74	106			100	53
C-0284		72	86	90	101	101			88	98	104	86	106			100	60
C-0285		64	86	90	99	97			86	93	103	75	105			97	51
C-0290		71	86	91	100	102			89	100	105	86	106			100	59
C-0292		69	89	92	104	80			79	72	86	73	109			85	65
C-0293		70	76	76	80	80			80	81	81	76	87			82	65
C-0289		64	85	89	101	97			86	90	103	75	104			97	52
C-0291		70	77	74	78	85			78	83	80	75	87			81	65
C-0288*		64	87	89	101	96			85	89	102	79	105			97	64
C-0295		67	85	90	101	96			78	72	85	77	103			96	55
C-0294		71	79	77	105	79			78	97	109	74	111			106	65
C-0470		72	86	90	102	99			78	74	85	72	106			81	59

Daily High Temp/F		65	74	75	82	84			80	86	87	73	84			86	58
DATE	5/1/2016	5/2/2016	5/3/2016	5/4/2016	5/5/2016	5/6/2016	5/7/2016	5/8/2016	5/9/2016	5/10/2016	5/11/2016	5/12/2016	5/13/2016	5/14/2016	5/15/2016	5/16/2016	5/17/2016
MCC:	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F
R-0020--E		69	80	77	82	97			78	75	99	82	87			82	67
R-0020--W		66	79	79	80	79			79	79	103	79	88			83	64
R-0021--E		69	77	78	92	78			79	77	91	77	87			82	65
R-0021--W		71	77	75	95	86			80	83	97	78	106			83	65
R-0024*--E		68	87	74	76	86			77	81	102	86	106			99	68
R-0024*--W		70	74	76	80	78			76	77	84	73	86			81	68
R-0027--E		68	80	76	101	80			79	80	104	77	88			100	64
R-0027--W		69	74	74	99	85			76	80	81	73	85			80	68

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Daily High Temp/F	52	57	79			91	90	88	89	83				81	74	72	82
DATE	5/18/2016	5/19/2016	5/20/2016	5/21/2016	5/22/2016	5/23/2016	5/24/2016	5/25/2016	5/26/2016	5/27/2016	5/28/2016	5/29/2016	5/30/2016	5/31/2016	6/1/2016	6/2/2016	6/3/2016
MCC:	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F
C-0264*	59	70	100			118	111	76	87	81				87	71	80	80
C-0315*	61	71	77			90	82	78	82	84				85	74	79	84
C-0266	39	67	91			112	103	100	99	83				94	80	77	88
C-0267*	43	71	96			116	109	99	107	79				88	75	84	93
C-0262	59	71	82			92	84	80	87	75				85	74	79	79
C-0273	42	70	93			114	106	104	106	88				100	86	81	92
C-0278	37	67	96			114	105	105	103	84				88	84	72	87
C-0281	45	72	95			103	97	97	88	77				86	80	73	91
C-0277	60	71	80			91	105	85	84	77				74	80	84	82
C-0280	42	70	96			115	105	102	106	88				102	85	78	92
C-0274	60	73	75			91	84	79	85	77				84	76	78	81
C-0272*	61	70	77			89	82	80	81	76				83	75	74	84
C-0271	63	69	74			88	82	79	70	73				73	79	80	84
C-0279	61	72	76			92	83	77	85	82				86	71	79	81
C-0275	62	71	76			89	81	78	82	75				85	73	78	84
C-0276	36	67	95			114	104	101	102	82				94	82	79	86
C-0286	61	74	77			91	84	80	85	88				85	77	83	81
C-0282	43	71	95			113	106	104	103	87				95	86	74	94
C-0283	63	69	74			86	80	84	78	73				74	80	81	83
C-0287	39	69	96			92	86	97	88	87				88	77	83	89
C-0284	46	68	91			111	105	103	99	87				99	85	75	95
C-0285	36	67	96			114	105	103	103	84				92	84	83	86
C-0290	46	68	92			111	104	87	100	88				100	85	74	96
C-0292	59	76	81			92	84	86	86	72				73	80	79	81
C-0293	59	72	81			94	84	81	87	76				87	77	72	77
C-0289	38	69	95			113	103	104	101	82				87	81	80	88
C-0291	60	71	80			91	84	98	102	84				86	76	73	79
C-0288*	40	69	83			93	84	105	87	75				75	80	73	76
C-0295	39	71	80			90	102	87	99	82				72	79	75	89
C-0294	46	71	82			118	85	110	86	90				77	80	83	81
C-0470	58	70	92			88	104	87	102	86				74	80	73	84

Daily High Temp/F	52	57	79			91	90	88	89	83				81	74	72	82
DATE	5/18/2016	5/19/2016	5/20/2016	5/21/2016	5/22/2016	5/23/2016	5/24/2016	5/25/2016	5/26/2016	5/27/2016	5/28/2016	5/29/2016	5/30/2016	5/31/2016	6/1/2016	6/2/2016	6/3/2016
MCC:	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F
R-0020--E	59	72	91			91	102	84	85	82				75	81	75	81
R-0020--W	58	68	82			93	84	81	88	75				82	78	78	78
R-0021--E	59	72	81			93	84	82	87	76				80	79	78	80
R-0021--W	58	73	83			93	85	78	89	74				85	73	76	80
R-0024*--E	62	71	92			88	103	101	102	77				85	70	78	82
R-0024*--W	63	68	76			89	84	92	80	75				79	79	76	83
R-0027--E	58	71	96			93	106	102	87	87				87	82	81	88
R-0027--W	63	67	76			89	81	99	81	80				85	75	79	83

MCC Temperature Data
Attachment to Waste Control Specialists LLC
6-15-16 Response to NRC 6-6-16 RFI

Daily High Temp/F			85	86	89	91	
DATE	6/4/2016	6/5/2016	6/6/2016	6/7/2016	6/8/2016	6/9/2016	6/10/2016
MCC:	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F
C-0264*			93	100	88	90	
C-0315*			77	75	85	84	
C-0266			100	97	99	106	
C-0267*			114	96	98	115	
C-0262			82	76	88	92	
C-0273			107	103	98	116	
C-0278			106	105	96	112	
C-0281			84	97	90	93	
C-0277			80	86	90	86	
C-0280			107	98	98	114	
C-0274			91	76	75	85	
C-0272*			93	76	83	84	
C-0271			75	88	73	77	
C-0279			83	75	85	88	
C-0275			78	78	85	83	
C-0276			107	100	98	112	
C-0286			81	76	80	86	
C-0282			104	104	98	110	
C-0283			74	85	74	81	
C-0287			112	93	99	116	
C-0284			113	102	98	105	
C-0285			107	101	97	112	
C-0290			96	99	98	107	
C-0292			84	88	74	93	
C-0293			83	78	80	91	
C-0289			103	105	96	112	
C-0291			88	94	97	90	
C-0288*			88	87	94	93	
C-0295			98	106	95	106	
C-0294			85	110	80	120	
C-0470			74	84	98	85	

Daily High Temp/F			85	86	89	91	
DATE	6/4/2016	6/5/2016	6/6/2016	6/7/2016	6/8/2016	6/9/2016	6/10/2016
MCC:	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F	deg-F
R-0020--E			81	83	75	87	
R-0020--W			90	80	80	91	
R-0021--E			86	82	76	91	
R-0021--W			88	90	82	90	
R-0024*--E			96	96	85	83	
R-0024*--W			74	91	78	81	
R-0027--E			91	96	84	112	
R-0027--W			76	95	83	81	