

LA-UR-15-21002

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<i>Title:</i>	INDIVIDUAL PERMIT TARGET ACTION LEVEL (TAL) EXCEEDANCE REPORTS FOR 2014
<i>Author(s):</i>	Steve Veenis
<i>Intended for:</i>	Public
<i>Purpose:</i>	This report has been prepared to facilitate public review of activities under the Individual Permit for Storm Water (IP) (National Pollutant Discharge Elimination System Permit No. NM0030759). This report, not required by the IP, is a summary of TAL exceedances reported in the 2014 Annual Report (published on March 1, 2015). The report will be available on Los Alamos National Laboratory's public website established as required under Part I.I.7 of the IP.



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SMA_s WITH TARGET ACTION LEVEL (TAL) EXCEEDANCES IN 2014
(CLICK ON TEXT IN BOX TO LINK DIRECTLY TO EXCEEDANCE REPORT)

Volume 1	Volume 2	Volume3	Volume 4	Volume 5
Los Alamos/Pueblo	Sandia/Mortandad	Pajarito	Water/CDV	Ancho/CHQ
LA-SMA-5.35	S-SMA-0.25	2M-SMA-1.44	CDV-SMA-6.01	W-SMA-1
LA-SMA-5.52	S-SMA-3.53	2M-SMA-1.7	CDV-SMA-8	W-SMA-1.5
		3M-SMA-0.5	F-SMA-2	
		3M-SMA-4	PT-SMA-1	
		PJ-SMA-10	PT-SMA-2	
		PJ-SMA-9		

Individual Permit 2014 MTAL Exceedances

SMA	Analyte	Units	Total analyses	# of Detects	% of detect	MTAL	# of MTAL Exceedances	% MTAL Exceedances	Concentration Range	Date Processed	2nd Date Processed
2M-SMA-1.44	Copper	ug/L	1	1	100%	4.3	1	100%	27.6	10/21/14	
2M-SMA-1.7	Copper	ug/L	2	2	100%	4.3	1	50%	3.57 to 4.6	08/19/14	
3M-SMA-0.5	Copper	ug/L	1	1	100%	4.3	1	100%	4.35	08/19/14	
3M-SMA-4	Copper	ug/L	1	1	100%	4.3	1	100%	4.72	10/21/14	
CDV-SMA-6.01	Copper	ug/L	1	1	100%	4.3	1	100%	10	10/21/14	
CDV-SMA-8	Aluminum	ug/L	1	1	100%	750	1	100%	1360	10/08/14	
F-SMA-2	Copper	ug/L	2	2	100%	4.3	1	50%	3.79 to 10.8	08/26/14	
LA-SMA-5.35	Copper	ug/L	2	2	100%	4.3	1	50%	3.98 to 11.3	08/19/14	
LA-SMA-5.52	Aluminum	ug/L	1	1	100%	750	1	100%	1070	10/21/14	
PJ-SMA-10	Copper	ug/L	1	1	100%	4.3	1	100%	16.8	08/12/14	
PJ-SMA-9	Copper	ug/L	1	1	100%	4.3	1	100%	7.76	08/05/14	
PT-SMA-1	Copper	ug/L	2	2	100%	4.3	2	100%	21.4 to 45.5	08/12/14	10/08/14
PT-SMA-2	Copper	ug/L	1	1	100%	4.3	1	100%	10.3	08/12/14	
S-SMA-0.25	Copper	ug/L	2	2	100%	4.3	2	100%	9.79 to 15.2	09/23/14	10/15/14
S-SMA-0.25	Zinc	ug/L	2	2	100%	42	1	50%	27.1 to 103	09/23/14	
S-SMA-3.53	Copper	ug/L	1	1	100%	4.3	1	100%	7.41	08/19/14	
W-SMA-1	Aluminum	ug/L	1	1	100%	750	1	100%	858	08/29/14	
W-SMA-1	Copper	ug/L	1	1	100%	4.3	1	100%	4.45	08/29/14	
W-SMA-1.5	Copper	ug/L	1	1	100%	4.3	1	100%	6.9	08/29/14	

IP 24-Hour Oral Exceedance MTAL Report

Tuesday, October 21, 2014

Permitted Feature: E004

SMA: 2M-SMA-1.44

Associated Site(s): 06-001(b)

Station: SS093205

Collected: JUL. 31, 2014

Processed: OCT. 21, 2014

Oral Report: OCT. 21, 2014

Suite	Analyte	Analyte Description						
INORGANIC	Cu	Copper						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result / TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-14-55939	27.6	ug/L	.5	4.3	6.4186		NQ	NQ

William Hardesty for Steve Teenis
Stormwater Project Manager

10/21/14
Date

IP 24-Hour Oral Exceedance MTAL Report

Tuesday, August 19, 2014

Permitted Feature: E009

SMA: 2M-SMA-1.7

Associated Site(s): 03-055(a)

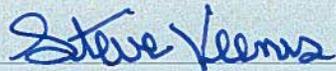
Station: SS2438

Collected: JUL. 8, 2014

Processed: AUG. 19, 2014

Oral Report: AUG. 19, 2014

Suite	Analyte	Analyte Description						
INORGANIC	Cu	Copper						
Sample ID	Std Result	UOM	ML	MTAL	Std Result / TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-14-55933	4.6	ug/L	.5	4.3	1.0698		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Tuesday, August 19, 2014

Permitted Feature: H003

SMA: 3M-SMA-0.5

Associated Site(s): 15-006(c), 15-009(c)

Station: SS141505

Collected: JUL. 9, 2014

Processed: AUG. 19, 2014

Oral Report: AUG. 19, 2014

Suite	Analyte	Analyte Description						
INORGANIC	Cu	Copper						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result / TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-14-76521	4.35	ug/L	5	4.3	1.0116		NQ	NQ

Steve Veenus

Stormwater Project Manager

8.19.14

Date

IP 24-Hour Oral Exceedance MTAL Report

Tuesday, October 21, 2014

Permitted Feature: H006

SMA: 3M-SMA-4

Associated Site(s): 18-002(b), 18-003(c), 18-010(f)

Station: SS101504

Collected: JUL. 29, 2014

Processed: OCT. 21, 2014

Oral Report: OCT. 21, 2014

Suite	Analyte	Analyte Description						
INORGANIC	Cu	Copper						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result /TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-14-55909	4.72	ug/L	.5	4.3	1.0977		NQ	NQ

William Hardesty for Steve Venis
Stormwater Project Manager

10/21/14
Date

IP 24-Hour Oral Exceedance MTAL Report

Tuesday, October 21, 2014

Permitted Feature: V012

SMA: CDV-SMA-6.01

Associated Site(s): 14-001(g), 14-006

Station: SS090410

Collected: JUL. 31, 2014

Processed: OCT. 21, 2014

Oral Report: OCT. 21, 2014

Suite	Analyte	Analyte Description						
INORGANIC	Cu	Copper						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result / TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-14-55864	10	ug/L	.5	4.3	2.3256		NQ	NQ

William Hardesty for Steve Keen
Stormwater Project Manager

10/21/14
Date

IP 24-Hour Oral Exceedance MTAL Report

Wednesday, October 8, 2014

Permitted Feature: V014

SMA: CDV-SMA-8

Associated Site(s): 15-011(c)

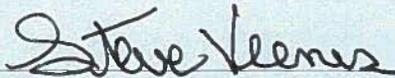
Station: SS25630

Collected: JUL. 31, 2014

Processed: OCT. 8, 2014

Oral Report: OCT. 8, 2014

Suite	Analyte	Analyte Description						
INORGANIC	Al	Aluminum						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result /TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-14-55822	1360	ug/L	2.5	750	1.8133		NQ	NQ



Stormwater Project Manager

10.8.14

Date

Hardesty, William B

From: Hardesty, William B
Sent: Tuesday, August 26, 2014 8:30 AM
To: Spencer.Everett@epa.gov; walker.jan@epa.gov; Veenis, Steve (veenis@lanl.gov)
Cc: McInroy, Dave; George, Victoria A; Rhodes,; Lynnes, Kate; Yurdin, Bruce; sarah.holcomb@state.nm.us; Mark, Paul
Subject: LANL 24-hour notice for MTAL exceedances in validated data - 8/26/2014
Attachments: 08-26-2014 EPA 24-hr notifications.pdf

Ms. Walker and Mr. Spencer,

This notification is being made per the requirement in the NPDES Individual Permit (Permit # NM0030759) regarding exceedances of maximum target action levels in storm water samples for applicable pollutants. The exceedance(s) occurred at Site Monitoring Area(s):

Station	SMA	COC	Sample	Collection Date	Validation Date	Method	Analyte	Detect Flag	Result	Units	MTAL	Greater than MTAL	Ratio
F-SMA-2	SS092401	2014-3914	WT_IPC-14-81182	15-Jul-14	25-Aug-14	EPA:200.8	Copper	Y	10.8	ug/L	4.3	Y	2.51

The auto-validated sampling data was received in the EIM chemistry data view on 08/26/2013. The automated data validation did not identify any deficiencies.

Please let me know if you have any questions.

Thank you.

William Hardesty for Steve Veenis

IP 24-Hour Oral Exceedance MTAL Report

Tuesday, August 19, 2014

Permitted Feature: L014

SMA: LA-SMA-5.35

Associated Site(s): C-41-004

Station: SS091014

Collected: JUN. 21, 2014

Processed: AUG. 19, 2014

Oral Report: AUG. 19, 2014

Suite	Analyte	Analyte Description						
INORGANIC	Cu	Copper						
Sample ID	Std Result	UOM	ML	MTAL	Std Result /TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-14-55935	11.3	ug/L	.5	4.3	2.6279		NQ	NQ

Steve Veema

Stormwater Project Manager

8-19-14

Date

IP 24-Hour Oral Exceedance MTAL Report

Tuesday, October 21, 2014

Permitted Feature: L018A

SMA: LA-SMA-5.52

Associated Site(s): 02-003(b), 02-007, 02-008(c)

Station: SS091016

Collected: JUL. 29, 2014

Processed: OCT. 21, 2014

Oral Report: OCT. 21, 2014

Suite	Analyte	Analyte Description						
INORGANIC	Al	Aluminum						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result / TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-14-55873	1070	ug/L	2.5	750	1.4267		NQ	NQ

William Hardesty for Steve Keen
Stormwater Project Manager

10/21/14
Date

IP 24-Hour Oral Exceedance MTAL Report

Tuesday, August 12, 2014

Permitted Feature: J012

SMA: PJ-SMA-10

Associated Site(s): 40-006(a)

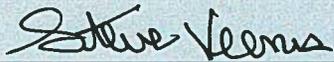
Station: SS132340

Collected: JUL. 7, 2014

Processed: AUG. 12, 2014

Oral Report: AUG. 12, 2014

Suite	Analyte	Analyte Description						
INORGANIC	Cu	Copper						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result /TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-14-55838	16.8	ug/L	.5	4.3	3.907		NQ	NQ



Stormwater Project Manager

8-12-14

Date

Hardesty, William B

From: Veenis, Steve
Sent: Tuesday, August 05, 2014 9:18 AM
To: Hardesty, William B
Subject: FW: LANL 24-hour notice for MTAL exceedances in validated data - 8/05/2014

Fyi, note change in EPA contacts.

From: Veenis, Steve
Sent: Tuesday, August 05, 2014 9:16 AM
To: Spencer, Everett (Spencer.Everett@epa.gov); Walker, Jan (walker.jan@epa.gov)
Cc: McInroy, Dave (mcinroy@lanl.gov); Tori George (torig@lanl.gov); Rhodes, David (DRhodes@doeal.gov); Kate Lynnes (klynnes@lanl.gov); 'Trujillo, Erin S, NMENV' (erin.trujillo@state.nm.us); Yurdin, Bruce, NMENV (Bruce.Yurdin@state.nm.us)
Subject: LANL 24-hour notice for MTAL exceedances in validated data - 8/05/2014

Ms. Walker and Mr. Spencer,

This notification is being made per the requirement in the NPDES Individual Permit (Permit # NM0030759) regarding exceedances of maximum target action levels in storm water samples for applicable pollutants. The exceedance(s) occurred at Site Monitoring Area(s):

Station	SMA	COC	Sample	Collection Date	Validation Date	Method	Analyte	Detect Flag	Report Result	Report Units	MTAL	Greater than TAL	Ratio
SS2427	PJ-SMA-9	2014-3623	WT_IPC-14-55842	6/21/2014	8/4/2013	EPA:200.8	Copper	Y	7.76	ug/L	4.3	Y	1.8

The auto-validated sampling data was received in the EIM chemistry data view on 08/05/2013. The automated data validation did not identify any deficiencies.

Please let me know if you have any questions.

Thank you.

IP 24-Hour Oral Exceedance MTAL Report

Tuesday, August 12, 2014

Permitted Feature: I002

SMA: PT-SMA-1

Associated Site(s): 15-004(f), 15-008(a)

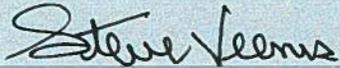
Station: SS124815

Collected: JUL. 9, 2014

Processed: AUG. 12, 2014

Oral Report: AUG. 12, 2014

Suite	Analyte	Analyte Description						
INORGANIC	Cu	Copper						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result / TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-14-55946	45.5	ug/L	.5	4.3	10.5814		NQ	NQ



Stormwater Project Manager

8-12-14

Date

IP 24-Hour Oral Exceedance MTAL Report

Wednesday, October 8, 2014

Permitted Feature: I002

SMA: PT-SMA-1

Associated Site(s): 15-004(f), 15-008(a)

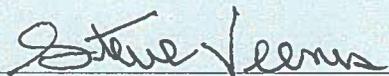
Station: SS124815

Collected: JUL. 31, 2014

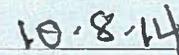
Processed: OCT. 8, 2014

Oral Report: OCT. 8, 2014

Suite	Analyte	Analyte Description						
INORGANIC	Cu	Copper						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result /TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-14-55951	21.4	ug/L	.5	4.3	4.9767		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Tuesday, August 12, 2014

Permitted Feature: I004

SMA: PT-SMA-2

Associated Site(s): 15-008(f), 36-003(b), 36-004(e), C-36-001, C-36-006(e)

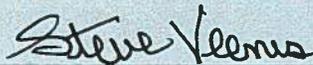
Station: SS2658

Collected: JUL. 7, 2014

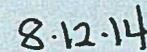
Processed: AUG. 12, 2014

Oral Report: AUG. 12, 2014

Suite	Analyte	Analyte Description						
INORGANIC	Cu	Copper						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result / TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-14-55843	10.3	ug/L	.5	4.3	2.3953		NQ	NQ



Stormwater Project Manager



Date

Hardesty, William B

From: Veenis, Steve
Sent: Tuesday, September 23, 2014 2:15 PM
To: Hardesty, William B
Subject: FW: LANL 24-hour notice for MTAL exceedances in validated data - 9/22/2014

FYI

From: Veenis, Steve
Sent: Tuesday, September 23, 2014 2:13 PM
To: Spencer, Everett (Spencer.Everett@epa.gov); Walker, Jan (walker.jan@epa.gov)
Cc: McInroy, Dave (mcinroy@lanl.gov); Tori George (torig@lanl.gov); Kate Lynnes (klynnes@lanl.gov); Yurdin, Bruce, NMENV (Bruce.Yurdin@state.nm.us); sarah.holcomb@state.nm.us; David Rhodes (david.rhodes@nnsa.doe.gov)
Subject: LANL 24-hour notice for MTAL exceedances in validated data - 9/22/2014

Ms. Walker and Mr. Spencer,

This notification is being made per the requirement in the NPDES Individual Permit (Permit # NM0030759) regarding exceedances of maximum target action levels in storm water samples for applicable pollutants. The exceedance(s) occurred at Site Monitoring Area(s):

SMA	Station	COC	Sample	Collection Date	Validation Date	Method	Analyte	Detect Flag	Result	Units	MTAL	Greater than MTAL	Ratio
S-SMA-0.25	SS091601	2014-4009	WT_IPC-14-85012	15-Jul-14	19-Sep-14	EPA:200.8	Copper	Y	15.2	ug/L	4.3	Y	3.5
S-SMA-0.25	SS091601	2014-4009	WT_IPC-14-85012	15-Jul-14	19-Sep-14	EPA:200.7	Zinc	Y	103	ug/L	42	Y	2.45

The auto-validated sampling data was received in the EIM chemistry data view on 09/19/2013 as an investigation sample. The compliance data was available on 9/22/2014. The automated data validation did not identify any deficiencies.

Please let me know if you have any questions.

Thank you.

Hardesty, William B

From: Hardesty, William B
Sent: Wednesday, October 15, 2014 8:16 AM
To: Veenis, Steve (veenis@lanl.gov)
Cc: MacGregor, Alan Scott; Mark, Paul; Marczak, Stanislaw; Kostrubala, Thaddeus Lewis; Walterscheid, Jeffrey Charles
Subject: LANL 24-hour notice for MTAL exceedances in validated data - 10/15/2014

Hi Steve,

The 24-hr MTAL EPA notification to forward is below. The SWTS reports are not attached because this sample was planned as investigation sample will be changed to a compliance sample. This change will not show up in the SWTS at the earliest tomorrow, so please send the EPA 24-hr notification without the SWTS MTAL attachment.

Thank you.

Bill

To: 'Walker, Jan; 'Spencer, Everett
CC: McInroy, Dave; George, Victoria A; 'Turner, Gene E.; 'Rhodes, David'; Lynnes, Kate; 'Trujillo, Erin S, NMENV'; 'Yurdin, Bruce, NMENV'

Ms. Walker and Mr. Spencer,

This notification is being made per the requirement in the NPDES Individual Permit (Permit # NM0030759) regarding exceedances of maximum target action levels in storm water samples for applicable pollutants. The exceedance(s) occurred at Site Monitoring Area(s):

SMA	Station	COC	Sample	Collection Date	Validation Date	Method	Analyte	Detect Flag	Result	Units	MTAL	Greater than MTAL	Ratio
S-SMA-0.25	SS091601	2014-4511	WT_IPC-14-85013	22-Aug-14	14-Oct-14	EPA:200.8	Copper	Y	9.79	ug/L	4.3	Y	2.28

The auto-validated sampling data was received in the EIM chemistry data view on 10/15/2014. The automated data validation did not identify any deficiencies.

Please let me know if you have any questions.

Thank you.

Steve Veenis

IP 24-Hour Oral Exceedance MTAL Report

Tuesday, August 19, 2014

Permitted Feature: S005B

SMA: S-SMA-3.53

Associated Site(s): 03-014(b2)

Station: SS091605

Collected: JUL. 7, 2014

Processed: AUG. 19, 2014

Oral Report: AUG. 19, 2014

Suite	Analyte	Analyte Description						
INORGANIC	Cu	Copper						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result /TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-14-55812	7.41	ug/L	.5	4.3	1.7233		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, August 29, 2014

Permitted Feature: W001

SMA: W-SMA-1

Associated Site(s): 16-017(j)-99, 16-026(c2), 16-026(v)

Station: SS133939

Collected: JUL. 19, 2014

Processed: AUG. 29, 2014

Oral Report: AUG. 29, 2014

Suite	Analyte	Analyte Description						
INORGANIC	Al	Aluminum						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result / TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-14-55959	858	ug/L	2.5	750	1.144		NQ	NQ

William Hardesty for Steve Keen
Stormwater Project Manager

8/29/14
Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, August 29, 2014

Permitted Feature: W001

SMA: W-SMA-1

Associated Site(s): 16-017(j)-99, 16-026(c2), 16-026(v)

Station: SS133939

Collected: JUL. 19, 2014

Processed: AUG. 29, 2014

Oral Report: AUG. 29, 2014

Suite	Analyte	Analyte Description
INORGANIC	Cu	Copper

Sample ID	Std Result	UOM	MQL	MTAL	Std Result / TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-14-55959	4.45	ug/L	.5	4.3	1.0349		NQ	NQ

William Hardesty for Steve Keen
Stormwater Project Manager

8/29/14
Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, August 29, 2014

Permitted Feature: W002

SMA: W-SMA-1.5

Associated Site(s): 16-026(b2), 16-028(d)

Station: SS103928

Collected: JUL. 19, 2014

Processed: AUG. 29, 2014

Oral Report: AUG. 29, 2014

Suite	Analyte	Analyte Description						
INORGANIC	Cu	Copper						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result / TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-14-55929	6.9	ug/L	.5	4.3	1.6047		NQ	NQ

William Hardesty for Steve Kenis
Stormwater Project Manager

8/29/14
Date