

LA-UR-14-28221

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<i>Title:</i>	INDIVIDUAL PERMIT TARGET ACTION LEVEL (TAL) EXCEEDANCE REPORTS FOR 2013
<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 2013 Annual Report (published on March 1, 2014). 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 2013
 (CLICK ON TEXT IN BOX TO LINK DIRECTLY TO EXCEEDANCE REPROT)

VOLUME 1 Los Alamos/Pueblo	VOLUME 3 Sandia/Mortandad	VOLUME 3 Pajarito	VOLUME 4 Water/CDV	VOLUME 5 Ancho/CHQ
P-SMA-0.3	S-SMA-2	2M-SMA-1.43	CDV-SMA-1.7	A-SMA-2
P-SMA-3.05	S-SMA-3.53	2M-SMA-1.44	CDV-SMA-2.42	A-SMA-3
LA-SMA-0.85	S-SMA-3.6	2M-SMA-2	CDV-SMA-7	A-SMA-6
LA-SMA-1	CDB-SMA-0.25	2M-SMA-3	PT-SMA-0.5	CHQ-SMA-1.02
LA-SMA-2.1	CDB-SMA-0.55	PJ-SMA-11	W-SMA-1	CHQ-SMA-6
LA-SMA-5.51	CDB-SMA-4	PJ-SMA-11.1	W-SMA-8	
LA-SMA-5.91	M-SMA-1	PJ-SMA-17	W-SMA-8.7	
LA-SMA-5.92	M-SMA-1.2	PJ-SMA-19	W-SMA-8.71	
DP-SMA-0.4	M-SMA-1.22	PJ-SMA-20	W-SMA-9.7	
	Pratt-SMA-1.05	STRM-SMA-1.05		
	T-SMA-2.85	STRM-SMA-1.5		
	T-SMA-4			

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: P004

SMA: P-SMA-0.3

Associated Site(s): 00-018(b)

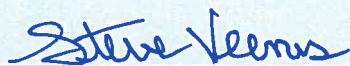
Station: SS080801

Collected: JUL. 25, 2013

Processed: SEP. 5, 2013

Oral Report: SEP. 5, 2013

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-13-32322	9.01	ug/L	.5	4.3	2.0953		NQ	NQ



Stormwater Project Manager

9.5.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: P004

SMA: P-SMA-0.3

Associated Site(s): 00-018(b)

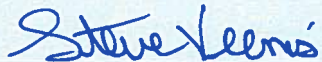
Station: SS080801

Collected: JUL. 25, 2013

Processed: SEP. 5, 2013

Oral Report: SEP. 5, 2013

Suite	Analyte	Analyte Description						
INORGANIC	Hg	Mercury						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result / TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-13-32227	39.3	ug/L	.005	1.4	28.0714		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: P009

SMA: P-SMA-3.05

Associated Site(s): 00-018(a)

Station: SS090802

Collected: SEP. 13, 2013

Processed: OCT. 22, 2013

Oral Report: OCT. 22, 2013

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-13-32353	5.2	ug/L	.5	4.3	1.2093		NQ	NQ

Steve Veenus

Stormwater Project Manager

10-22-13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: L001

SMA: LA-SMA-0.85

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

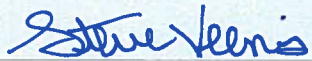
Station: SS121043

Collected: MAY. 15, 2013

Processed: JUN. 25, 2013

Oral Report: JUN. 25, 2013

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-13-32499	22.8	ug/L	.5	4.3	5.3023		NQ	NQ



Stormwater Project Manager

6.25.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: L001

SMA: LA-SMA-0.85

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

Station: SS121043

Collected: MAY. 15, 2013

Processed: JUN. 25, 2013

Oral Report: JUN. 25, 2013

Suite	Analyte	Analyte Description						
INORGANIC	Zn	Zinc						
Sample ID	Std Result	UOM	ML	MTAL	Std Result / TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-13-32499	78.2	ug/L	20	42	1.8619		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: L003

SMA: LA-SMA-1

Associated Site(s): 00-017, C-00-044

Station: SS121044

Collected: SEP. 13, 2013

Processed: OCT. 31, 2013

Oral Report: OCT. 31, 2013

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-13-32488	800	ug/L	2.5	750	1.0667	*	NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: L006

SMA: LA-SMA-2.1

Associated Site(s): 01-001(f)

Station: SS081005

Collected: SEP. 13, 2013

Processed: OCT. 31, 2013

Oral Report: OCT. 31, 2013

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-13-32326	11.1	ug/L	.5	4.3	2.5814	*	NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: L018

SMA: LA-SMA-5.51

Associated Site(s): 02-003(a), 02-003(e), 02-004(a), 02-005, 02-006(b), 02-006(c), 02-006(d), 02-006(e), 02

Station: SS091015

Collected: JUL. 12, 2013

Processed: AUG. 22, 2013

Oral Report: AUG. 22, 2013

Suite	Analyte	Analyte Description						
INORGANIC	Hg	Mercury						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result / TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-13-32200	2.39	ug/L	.005	1.4	1.7071		NQ	NQ



Stormwater Project Manager

8.22.13

Date

IP 24-Hour Oral Exceedance ATAL Report

Monday, October 20, 2014

Permitted Feature: L019

SMA: LA-SMA-5.91

Associated Site(s): 21-009, 21-021, 21-023(c), 21-027(d)

Station: SS091019

ATAL Calc Period: JUL. 8, 2013 through

Stage: CAM5

Processed: AUG. 26, 2014

Reported: AUG. 26, 2014

Suite	Analyte	Analyte Description
RAD	GROSSA	Gross alpha

MQL	ATAL	Geomean	UOM	Geomean/TAL Ratio
0	15	51.5102	pCi/L	3.434

Geomean Details

Sample ID	Collected	Sym- bol	Std Result	Std MDL	Std MDA	Result UOM	Lab Qual	Concat Flag	Concat Reason	Value Used For GeoMean Calc	Running Geomean
WT_IPC-13-40974	12-SEP-13		15.7		4.96	pCi/L	NQ	NQ		15.7	15.7
WT_IPC-14-56132	15-JUL-14		169		13	pCi/L	NQ	NQ		169	51.5102

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: L019A

SMA: LA-SMA-5.92

Associated Site(s): 21-013(b), 21-013(g), 21-018(a), 21-021

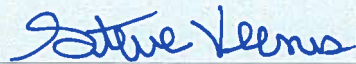
Station: SS091020

Collected: JUL. 12, 2013

Processed: AUG. 28, 2013

Oral Report: AUG. 28, 2013

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-13-32362	8.32	ug/L	.5	4.3	1.9349		NQ	NQ



Stormwater Project Manager

8-28-13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: L019A

SMA: LA-SMA-5.92

Associated Site(s): 21-013(b), 21-013(g), 21-018(a), 21-021

Station: SS091020

Collected: JUL. 12, 2013

Processed: AUG. 28, 2013

Oral Report: AUG. 28, 2013

Suite	Analyte	Analyte Description						
INORGANIC	Hg	Mercury						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result / TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-13-32245	2.89	ug/L	.005	1.4	2.0643		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: D002

SMA: DP-SMA-0.4

Associated Site(s): 21-021

Station: SS081901

Collected: SEP. 13, 2013

Processed: OCT. 28, 2013

Oral Report: OCT. 28, 2013

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-13-32335	3540	ug/L	2.5	750	4.72		NQ	NQ

Steve Velms

Stormwater Project Manager

10.28.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: D002

SMA: DP-SMA-0.4

Associated Site(s): 21-021

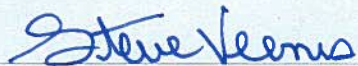
Station: SS081901

Collected: SEP. 13, 2013

Processed: OCT. 28, 2013

Oral Report: OCT. 28, 2013

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-13-32335	10.7	ug/L	.5	4.3	2.4884		NQ	NQ



Stormwater Project Manager

10.28.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: S003

SMA: S-SMA-2

Associated Site(s): 03-012(b), 03-045(b), 03-045(c), 03-052(b), 03-056(c)

Station: SS101626

Collected: JUL. 11, 2013

Processed: AUG. 27, 2013

Oral Report: AUG. 27, 2013

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-13-39143	4.43	ug/L	.5	4.3	1.0302		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: S003

SMA: S-SMA-2

Associated Site(s): 03-012(b), 03-045(b), 03-045(c), 03-052(b), 03-056(c)

Station: SS101626

Collected: JUL. 11, 2013

Processed: AUG. 27, 2013


Oral Report: AUG. 27, 2013

Suite	Analyte	Analyte Description
INORGANIC	Zn	Zinc

Sample ID	Std Result	UOM	ML	MTAL	Std Result /TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-13-39143	54	ug/L	20	42	1.2857		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: S003

SMA: S-SMA-2

Associated Site(s): 03-012(b), 03-045(b), 03-045(c), 03-052(b), 03-056(c)

Station: SS101626

Collected: AUG. 1, 2013

Processed: SEP. 10, 2013

Oral Report: SEP. 10, 2013

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-13-39144	5.08	ug/L	.5	4.3	1.1814		NQ	NQ

Steve Veems

Stormwater Project Manager

9.10.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: S003

SMA: S-SMA-2

Associated Site(s): 03-012(b), 03-045(b), 03-045(c), 03-052(b), 03-056(c)

Station: SS101626

Collected: AUG. 1, 2013

Processed: SEP. 10, 2013

Oral Report: SEP. 10, 2013

Suite	Analyte	Analyte Description						
INORGANIC	Zn	Zinc						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result /TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-13-39144	44.2	ug/L	20	42	1.0524		NQ	NQ



Stormwater Project Manager

9.10.13

Date

IP 24-Hour Oral Exceedance ATAL Report

Monday, October 20, 2014

Permitted Feature: S003

SMA: S-SMA-2

Associated Site(s): 03-012(b), 03-045(b), 03-045(c), 03-052(b), 03-056(c)

Station: SS101626

ATAL Calc Period: JUL. 8, 2013 through

Stage: CAM3

Processed: SEP. 12, 2013

Reported: SEP. 12, 2013

Suite	Analyte	Analyte Description		
PCBCONGENE	1336-36-3	Total PCB		
RS				
MQL	ATAL	Geomean	UOM	Geomean/TAL Ratio
.00064	.00064	.1038	ug/L	162.2293

Geomean Details

Sample ID	Collected	Sym- bol	Std Result	Std MDL	Std MDA	Result UOM	Lab Qual	Concat Flag	Concat Reason	Value Used For GeoMean Calc	Running Geomean
WT_IPC-13-39141	11-JUL-13		.22			ug/L	NQ	NQ		.22	.22
WT_IPC-13-39142	01-AUG-13		.049			ug/L	NQ	NQ		.049	.1038

IP 24-Hour Oral Exceedance ATAL Report

Monday, October 20, 2014

Permitted Feature: S005B

SMA: S-SMA-3.53

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

Station: SS091605

ATAL Calc Period: MAY. 2, 2013 through

Stage: CAM3

Processed: AUG. 19, 2014

Reported: AUG. 19, 2014

Suite	Analyte	Analyte Description
RAD	GROSSA	Gross alpha

MQL	ATAL	Geomean	UOM	Geomean/TAL Ratio
0	15	34.4	pCi/L	2.2933

Geomean Details

Sample ID	Collected	Sym- bol	Std Result	Std MDL	Std MDA	Result UOM	Lab Qual	Concat Flag	Concat Reason	Value Used For GeoMean Calc	Running Geomean
WT_IPC-14-56117	07-JUL-14		34.4		3.92	pCi/L	NQ	NQ		34.4	34.4

IP 24-Hour Oral Exceedance ATAL Report

Monday, October 20, 2014

Permitted Feature: S005B

SMA: S-SMA-3.53

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

Station: SS091605

ATAL Calc Period: MAY. 2, 2013 through

Stage: CAM3

Processed: AUG. 13, 2014

Reported: AUG. 13, 2014

Suite	Analyte	Analyte Description
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PCBCONGENE RS	1336-36-3	Total PCB
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MQL	ATAL	Geomean	UOM	Geomean/TAL Ratio
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.00064	.00064	.0997	ug/L	155.7812
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Geomean Details

Sample ID	Collected	Sym- bol	Std Result	Std MDL	Std MDA	Result UOM	Lab Qual	Concat Flag	Concat Reason	Value Used For GeoMean Calc	Running Gecmean
WT_IPC-14-56117	07-JUL-14		.0997			ug/L	NQ	NQ		.0997	.0997

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: S006

SMA: S-SMA-3.6

Associated Site(s): 60-007(b)

Station: SS12255

Collected: JUN. 14, 2013

Processed: JUL. 24, 2013

Oral Report: JUL. 24, 2013

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-13-32126	20.8	ug/L	.5	4.3	4.8372		NQ	NQ



Stormwater Project Manager

7.24.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: S006

SMA: S-SMA-3.6

Associated Site(s): 60-007(b)

Station: SS12255

Collected: JUN. 14, 2013

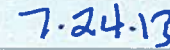
Processed: JUL. 24, 2013

Oral Report: JUL. 24, 2013

Suite	Analyte	Analyte Description						
INORGANIC	Zn	Zinc						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result /TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-13-32126	135	ug/L	20	42	3.2143		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: S006

SMA: S-SMA-3.6

Associated Site(s): 60-007(b)

Station: SS12255

Collected: JUL. 2, 2013

Processed: AUG. 13, 2013

Oral Report: AUG. 13, 2013

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-13-32127	15.4	ug/L	.5	4.3	3.5814		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: S006

SMA: S-SMA-3.6

Associated Site(s): 60-007(b)

Station: SS12255

Collected: JUL. 2, 2013

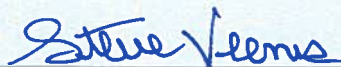
Processed: AUG. 13, 2013

Oral Report: AUG. 13, 2013

Suite	Analyte	Analyte Description
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INORGANIC	Zn	Zinc
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Sample ID	Std Result	UOM	MQL	MTAL	Std Result / TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-13-32127	108	ug/L	20	42	2.5714		NQ	NQ



Stormwater Project Manager

8.13.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: C002

SMA: CDB-SMA-0.25

Associated Site(s): 46-004(c2), 46-004(e2)

Station: SS091311

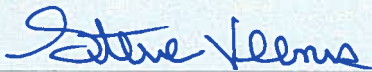
Collected: JUL. 26, 2013

Processed: AUG. 30, 2013

Oral Report: AUG. 30, 2013

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-13-39426	15.2	ug/L	.5	4.3	3.5349		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: C002

SMA: CDB-SMA-0.25

Associated Site(s): 46-004(c2), 46-004(e2)

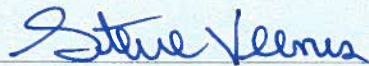
Station: SS091311

Collected: SEP. 10, 2013

Processed: OCT. 22, 2013

Oral Report: OCT. 22, 2013

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-13-32113	15.2	ug/L	.5	4.3	3.5349		NQ	NQ



Stormwater Project Manager

10.22.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: C003

SMA: CDB-SMA-0.55

Associated Site(s): 46-004(e2), 46-004(g), 46-004(m), 46-004(s), 46-006(f)

Station: SS091312

Collected: SEP. 13, 2013

Processed: OCT. 25, 2013

Oral Report: OCT. 25, 2013

Suite	Analyte	Analyte Description
INORGANIC	Cu	Copper

Sample ID	Std Result	UOM	MQL	MTAL	Std Result /MTAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-13-32368	16.3	ug/L	.5	4.3	3.7907	E	NQ	NQ



Stormwater Project Manager

10.25.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: C010

SMA: CDB-SMA-4

Associated Site(s): 54-017, 54-018, 54-020

Station: SS101317

Collected: JUL. 25, 2013

Processed: AUG. 28, 2013

Oral Report: AUG. 28, 2013

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-13-32416	8.14	ug/L	.5	4.3	1.893		NQ	NQ



Stormwater Project Manager

8-28-13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: M001

SMA: M-SMA-1

Associated Site(s): 03-050(a), 03-054(e)

Station: SS121238

Collected: JUN. 14, 2013

Processed: JUL. 24, 2013

Oral Report: JUL. 24, 2013

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-13-32501	31.2	ug/L	.5	4.3	7.2558		NQ	NQ



Stormwater Project Manager

7.24.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: M001

SMA: M-SMA-1

Associated Site(s): 03-050(a), 03-054(e)

Station: SS121238

Collected: JUN. 14, 2013

Processed: JUL. 24, 2013

Oral Report: JUL. 24, 2013

Suite	Analyte	Analyte Description		Std Result /TAL Ratio	Lab Qual	Concat Flag	Concat Reason
INORGANIC	Zn	Zinc					
Sample ID	Std Result	UOM	MTAL				
WT_IPC-13-32501	264	ug/L	20	6.2857		NQ	NQ

Steve Veema

Stormwater Project Manager

7.24.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: M001

SMA: M-SMA-1

Associated Site(s): 03-050(a), 03-054(e)

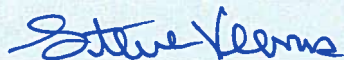
Station: SS121238

Collected: JUL. 2, 2013


Processed: AUG. 13, 2013

Oral Report: AUG. 13, 2013

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-13-38616	9.66	ug/L	.5	4.3	2.2465		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: M001

SMA: M-SMA-1

Associated Site(s): 03-050(a), 03-054(e)

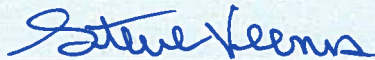
Station: SS121238

Collected: JUL. 2, 2013

Processed: AUG. 13, 2013

Oral Report: AUG. 13, 2013

Suite	Analyte	Analyte Description						
INORGANIC	Zn	Zinc						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result /TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-13-38616	53.4	ug/L	20	42	1.2714		NQ	NQ



Stormwater Project Manager

8.13.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: M002

SMA: M-SMA-1.2

Associated Site(s): 03-045(h), 03-049(a), 03-049(e)

Station: SS091202

Collected: SEP. 13, 2013

Processed: OCT. 31, 2013

Oral Report: OCT. 31, 2013

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-13-32364	38.4	ug/L	.5	4.3	8.9302		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: M002B

SMA: M-SMA-1.22

Associated Site(s): 03-045(h)

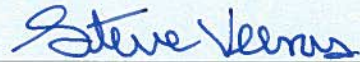
Station: SS091228

Collected: SEP. 12, 2013

Processed: NOV. 4, 2013

Oral Report: NOV. 4, 2013

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-13-34611	5.96	ug/L	.5	4.3	1.386		NQ	NQ



Stormwater Project Manager

11.4.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: T001

SMA: Pratt-SMA-1.05

Associated Site(s): 35-003(h), 35-003(p), 35-003(r), 35-004(h), 35-009(d), 35-016(k), 35-016(l), 35-016(m)

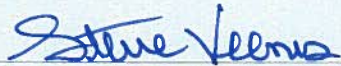
Station: SS093401

Collected: SEP. 13, 2013

Processed: OCT. 31, 2013

Oral Report: OCT. 31, 2013

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-13-32395	943	ug/L	2.5	750	1.2573		NQ	NQ



Stormwater Project Manager

11.4.13

Date

IP 24-Hour Oral Exceedance ATAL Report

Monday, October 20, 2014

Permitted Feature: T001

SMA: Pratt-SMA-1.05

Associated Site(s): 35-003(h), 35-003(p), 35-003(r), 35-004(h), 35-009(d), 35-016(k), 35-016(l), 35-016(m)

Station: SS093401

ATAL Calc Period: MAY. 13, 2013 through

Stage: CAM3

Processed: AUG. 5, 2014

Reported: AUG. 5, 2014

Suite	Analyte	Analyte Description
INORGANIC	Hg	Mercury

MQL	ATAL	Geomean	UOM	Geomean/TAL Ratio
.005	.77	.91	ug/L	1.1818

Geomean Details

Sample ID	Collected	Sym- bol	Std Result	Std MDL	Std MDA	Result UOM	Lab Qual	Concat Flag	Concat Reason	Value Used For GeoMean Calc	Running Geomean
WT_IPC-13-32212	13-SEP-13		.91	.067		ug/L	NQ	NQ		.91	.91

IP 24-Hour Oral Exceedance ATAL Report

Monday, October 20, 2014

Permitted Feature: T001

SMA: Pratt-SMA-1.05

Associated Site(s): 35-003(h), 35-003(p), 35-003(r), 35-004(h), 35-009(d), 35-016(k), 35-016(l), 35-016(m)

Station: SS093401

ATAL Calc Period: MAY. 13, 2013 through

Stage: CAM3

Processed: AUG. 5, 2014

Reported: AUG. 5, 2014

Suite	Analyte	Analyte Description
RAD	GROSSA	Gross alpha

MQL	ATAL	Geomean	UOM	Geomean/TAL Ratio
0	15	96.5	pCi/L	6.4333

Geomean Details

Sample ID	Collected	Sym- bol	Std Result	Std MDL	Std MDA	Result UOM	Lab Qual	Concat Flag	Concat Reason	Value Used For GeoMean Calc	Running Geomean
WT_IPC-13-32212	13-SEP-13		96.5		8.06	pCi/L	NQ	NQ		96.5	96.5

IP 24-Hour Oral Exceedance ATAL Report

Monday, October 20, 2014

Permitted Feature: T001

SMA: Pratt-SMA-1.05

Associated Site(s): 35-003(h), 35-003(p), 35-003(r), 35-004(h), 35-009(d), 35-016(k), 35-016(l), 35-016(m)

Station: SS093401

ATAL Calc Period: MAY. 13, 2013 through

Stage: CAM3

Processed: AUG. 5, 2014

Reported: AUG. 5, 2014

Suite	Analyte	Analyte Description
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PCBCONGENE	1336-36-3	Total PCB
RS		

MQL	ATAL	Geomean	UOM	Geomean/TAL Ratio
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.00064	.00064	.447	ug/L	698.4375
--------	--------	------	------	----------

Geomean Details

Sample ID	Collected	Sym- bol	Std Result	Std MDL	Std MDA	Result UOM	Lab Qual	Concat Flag	Concat Reason	Value Used For GeoMean Calc	Running Geomean
WT_IPC-13-32212	13-SEP-13		.447			ug/L	NQ	NQ		.447	.447

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: T004

SMA: T-SMA-2.85

Associated Site(s): 35-014(g), 35-016(n)

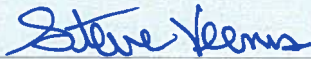
Station: SS093714

Collected: JUL. 12, 2013

Processed: AUG. 22, 2013

Oral Report: AUG. 22, 2013

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-13-32396	5.64	ug/L	.5	4.3	1.3116		NQ	NQ



Stormwater Project Manager

8.22.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: T006

SMA: T-SMA-4

Associated Site(s): 35-004(a), 35-009(a), 35-016(c), 35-016(d)


Station: SS20136

Collected: SEP. 13, 2013

Processed: OCT. 25, 2013

Oral Report: OCT. 25, 2013

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-13-32437	6.61	ug/L	.5	4.3	1.5372		NQ	NQ



Stormwater Project Manager

10.25.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: T006

SMA: T-SMA-4

Associated Site(s): 35-004(a), 35-009(a), 35-016(c), 35-016(d)

Station: SS20136

Collected: SEP. 13, 2013

Processed: OCT. 25, 2013

Oral Report: OCT. 25, 2013

Suite	Analyte	Analyte Description						
INORGANIC	Hg	Mercury						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result /TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-13-32274	2.14	ug/L	.005	1.4	1.5286		NQ	NQ

Steve Veerus

Stormwater Project Manager

10-25-13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: E003

SMA: 2M-SMA-1.43

Associated Site(s): 22-014(a), 22-015(a)

Station: SS093204

Collected: JUL. 12, 2013

Processed: AUG. 22, 2013

Oral Report: AUG. 22, 2013

Suite	Analyte	Analyte Description						
INORGANIC	Al	Aluminum						
Sample ID	Std Result	UOM	SQL	MTAL	Std Result / TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-13-32394	1500	ug/L	2.5	750	2		NQ	NQ

Steve Velenus

Stormwater Project Manager

8.22.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: E004

SMA: 2M-SMA-1.44

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

Station: SS093205

Collected: SEP. 12, 2013

Processed: OCT. 31, 2013

Oral Report: OCT. 31, 2013

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-13-32120	39.5	ug/L	.5	4.3	9.186		NQ	NQ



Stormwater Project Manager

11.4.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: E012

SMA: 2M-SMA-2

Associated Site(s): 03-050(d), 03-054(b)

Station: SS123221

Collected: JUN. 14, 2013

Processed: JUL. 24, 2013

Oral Report: JUL. 24, 2013

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-13-34609	18.5	ug/L	.5	4.3	4.3023		NQ	NQ

Steve Veenus

Stormwater Project Manager

7.24.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: E012

SMA: 2M-SMA-2

Associated Site(s): 03-050(d), 03-054(b)


Station: SS123221

Collected: JUN. 14, 2013

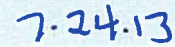
Processed: JUL. 24, 2013

Oral Report: JUL. 24, 2013

Suite	Analyte	Analyte Description						
INORGANIC	Zn	Zinc						
Sample ID	Std Result	UOM	SQL	MTAL	Std Result / TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-13-34609	102	ug/L	20	42	2.4286		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: E012

SMA: 2M-SMA-2

Associated Site(s): 03-050(d), 03-054(b)

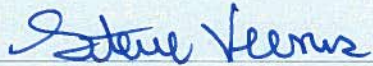
Station: SS123221

Collected: AUG. 18, 2013

Processed: SEP. 24, 2013

Oral Report: SEP. 24, 2013

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-13-34610	19.9	ug/L	.5	4.3	4.6279		NQ	NQ



Stormwater Project Manager

9.24.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: E012

SMA: 2M-SMA-2

Associated Site(s): 03-050(d), 03-054(b)

Station: SS123221

Collected: AUG. 18, 2013

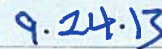
Processed: SEP. 24, 2013

Oral Report: SEP. 24, 2013

Suite	Analyte	Analyte Description						
INORGANIC	Zn	Zinc						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result /TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-13-34610	123	ug/L	20	42	2.9286		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance ATAL Report

Monday, October 20, 2014

Permitted Feature: E012

SMA: 2M-SMA-2

Associated Site(s): 03-050(d), 03-054(b)

Station: SS123221

ATAL Calc Period: MAY. 2, 2013 through

Stage: CAM5

Processed: SEP. 24, 2013

Reported: SEP. 24, 2013

Suite	Analyte	Analyte Description
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PCBCONGENE	1336-36-3	Total PCB
RS		

MQL	ATAL	Geomean	UOM	Geomean/TAL Ratio
.00064	.00064	.0271	ug/L	42.3769

Geomean Details

Sample ID	Collected	Sym- bol	Std Result	Std MDL	Std MDA	Result UOM	Lab Qual	Concat Flag	Concat Reason	Value Used For GeoMean Calc	Running Geomean
WT_IPC-13-34607	14-JUN-13		.0497			ug/L	NQ	NQ		.0497	.0497
WT_IPC-13-34608	18-AUG-13		.0148			ug/L	NQ	NQ		.0148	.0271

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: E014

SMA: 2M-SMA-3

Associated Site(s): 07-001(a), 07-001(b), 07-001(c), 07-001(d)

Station: SS2439

Collected: JUL. 12, 2013

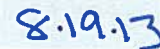
Processed: AUG. 19, 2013

Oral Report: AUG. 19, 2013

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-13-32525	3750	ug/L	2.5	750	5		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: E014

SMA: 2M-SMA-3

Associated Site(s): 07-001(a), 07-001(b), 07-001(c), 07-001(d)

Station: SS2439

Collected: JUL. 12, 2013

Processed: AUG. 19, 2013

Oral Report: AUG. 19, 2013

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-13-32525	6.05	ug/L	.5	4.3	1.407		NQ	NQ

Steve Veerms

Stormwater Project Manager

8-19-13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: J013

SMA: PJ-SMA-11

Associated Site(s): 40-003(a)

Station: SS102333

Collected: SEP. 13, 2013

Processed: OCT. 31, 2013

Oral Report: OCT. 31, 2013

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-13-32422	42.9	ug/L	.5	4.3	9.9767		NQ	NQ

Steve Veems

Stormwater Project Manager

11.4.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: J014

SMA: PJ-SMA-11.1

Associated Site(s): 40-003(b)

Station: SS102334

Collected: SEP. 13, 2013

Processed: OCT. 31, 2013

Oral Report: OCT. 31, 2013

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-13-32423	1040	ug/L	2.5	750	1.3867		NQ	NQ



Stormwater Project Manager

11.4.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: J014

SMA: PJ-SMA-11.1

Associated Site(s): 40-003(b)


Station: SS102334

Collected: SEP. 13, 2013

Processed: OCT. 31, 2013

Oral Report: OCT. 31, 2013

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-13-32423	20.9	ug/L	.5	4.3	4.8605		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: J024

SMA: PJ-SMA-17

Associated Site(s): 54-018

Station: SS092331

Collected: JUL. 25, 2013

Processed: SEP. 5, 2013

Oral Report: SEP. 5, 2013

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-13-39439	5.13	ug/L	.5	4.3	1.193		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: J025

SMA: PJ-SMA-19

Associated Site(s): 54-013(b), 54-017, 54-020

Station: SS092330

Collected: AUG. 8, 2013

Processed: SEP. 12, 2013

Oral Report: SEP. 12, 2013

Suite	Analyte	Analyte Description						
INORGANIC	Al	Aluminum						
Sample ID	Std Result	UOM	ML	MTAL	Std Result / TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-13-32391	761	ug/L	2.5	750	1.0147		NQ	NQ

Steve Veenus

Stormwater Project Manager

9.12.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: J025

SMA: PJ-SMA-19

Associated Site(s): 54-013(b), 54-017, 54-020

Station: SS092330

Collected: AUG. 8, 2013

Processed: SEP. 12, 2013

Oral Report: SEP. 12, 2013

Suite	Analyte	Analyte Description						
INORGANIC	Hg	Mercury						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result / TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-13-32210	1.67	ug/L	.005	1.4	1.1929		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance ATAL Report

Monday, October 20, 2014

Permitted Feature: J027

SMA: PJ-SMA-20

Associated Site(s): 54-017

Station: SS092332

ATAL Calc Period: OCT. 25, 2013 through

Stage: CACompC

Processed: AUG. 5, 2014

Reported: AUG. 5, 2014

Suite	Analyte	Analyte Description
RAD	GROSSA	Gross alpha

MQL	ATAL	Geomean	UOM	Geomean/TAL Ratio
0	15	33.6	pCi/L	2.24

Geomean Details

Sample ID	Collected	Sym- bol	Std Result	Std MDL	Std MDA	Result UOM	Lab Qual	Concat Flag	Concat Reason	Value Used For GeoMean Calc	Running Geomean
WT_IPC-14-56016	22-MAY-14		33.6		6.44	pCi/L	NQ	NQ		33.6	33.6

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: J028

SMA: STRM-SMA-1.05

Associated Site(s): 08-009(f)

Station: SS093001

Collected: JUL. 12, 2013

Processed: AUG. 27, 2013

Oral Report: AUG. 27, 2013

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-13-34615	10.8	ug/L	.5	4.3	2.5116		NQ	NQ

Steve Veenus

Stormwater Project Manager

8.27.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: J028

SMA: STRM-SMA-1.05

Associated Site(s): 08-009(f)

Station: SS093001

Collected: AUG. 1, 2013

Processed: SEP. 10, 2013

Oral Report: SEP. 10, 2013

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-13-34616	9.92	ug/L	.5	4.3	2.307		NQ	NQ

Steve Veenus

Stormwater Project Manager

9.10.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: J029

SMA: STRM-SMA-1.5

Associated Site(s): 08-009(d)

Station: SS133007

Collected: SEP. 13, 2013

Processed: OCT. 22, 2013

Oral Report: OCT. 22, 2013

Suite	Analyte	Analyte Description						
INORGANIC	Ag	Silver						
Sample ID	Std Result	UOM	ML	MTAL	Std Result /TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-13-34681	4.02	ug/L	.5	.4	8.04		NQ	NQ

Steve Veema

Stormwater Project Manager

10.22.13

Date

IP 24-Hour Oral Exceedance ATAL Report

Monday, October 20, 2014

Permitted Feature: J029

SMA: STRM-SMA-1.5

Associated Site(s): 08-009(d)

Station: SS133007

ATAL Calc Period: JUL. 8, 2013 through

Stage: CAM5

Processed: OCT. 22, 2013

Reported: OCT. 22, 2013

Suite	Analyte	Analyte Description
RAD	GROSSA	Gross alpha

MQL	ATAL	Geomean	UOM	Geomean/TAL Ratio
0	15	16.1	pCi/L	1.0733

Geomean Details

Sample ID	Collected	Sym- bol	Std Result	Std MDL	Std MDA	Result UOM	Lab Qual	Concat Flag	Concat Reason	Value Used For GeoMean Calc	Running Geomean
WT_IPC-13-34679	13-SEP-13		16.1		5.04	pCi/L	NQ	NQ		16.1	16.1

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: V005

SMA: CDV-SMA-1.7

Associated Site(s): 16-019

Station: SS2547

Collected: SEP. 13, 2013

Processed: OCT. 25, 2013

Oral Report: OCT. 25, 2013

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-13-32531	11	ug/L	.5	4.3	2.5581	E	NQ	NQ

Steve Veems

Stormwater Project Manager

10.25.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: V008A

SMA: CDV-SMA-2.42

Associated Site(s): 16-010(b)

Station: SS090408

Collected: JUL. 12, 2013

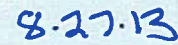
Processed: AUG. 27, 2013

Oral Report: AUG. 27, 2013

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-13-32344	4.37	ug/L	.5	4.3	1.0163		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: V013

SMA: CDV-SMA-7

Associated Site(s): 15-008(d)

Station: SS252625

Collected: SEP. 13, 2013

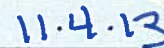
Processed: OCT. 31, 2013

Oral Report: OCT. 31, 2013

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-13-32534	956	ug/L	2.5	750	1.2747		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: I001

SMA: PT-SMA-0.5

Associated Site(s): 15-009(e), C-15-004

Station: SS26565

Collected: SEP. 13, 2013

Processed: OCT. 22, 2013

Oral Report: OCT. 22, 2013

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-13-41873	1130	ug/L	2.5	750	1.5067	*	J	I10a

Steve Veenus

Stormwater Project Manager

10.22.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: W001

SMA: W-SMA-1

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

Station: SS133939

Collected: SEP. 12, 2013

Processed: OCT. 28, 2013

Oral Report: OCT. 28, 2013

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-13-32495	1010	ug/L	2.5	750	1.3467		NQ	NQ

Steve Keenan

Stormwater Project Manager

10.28.13

Date

IP 24-Hour Oral Exceedance ATAL Report

Monday, October 20, 2014

Permitted Feature: W001

SMA: W-SMA-1

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

Station: SS133939

ATAL Calc Period: MAY. 2, 2013 through

Stage: CAM5

Processed: AUG. 29, 2014

Reported: AUG. 29, 2014

Suite	Analyte	Analyte Description
RAD	GROSSA	Gross alpha

MQL	ATAL	Geomean	UOM	Geomean/TAL Ratio
0	15	50.5254	pCi/L	3.3684

Geomean Details

Sample ID	Collected	Sym- bol	Std Result	Std MDL	Std MDA	Result UOM	Lab Qual	Concat Flag	Concat Reason	Value Used For GeoMean Calc	Running Geomean
WT_IPC-13-32167	12-SEP-13		314		14.6	pCi/L	NQ	NQ		314	314
WT_IPC-14-56051	19-JUL-14		8.13		4.13	pCi/L	NQ	NQ		8.13	50.5254

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: W011

SMA: W-SMA-8

Associated Site(s): 16-016(g), 16-028(b)

Station: SS2523

Collected: SEP. 12, 2013

Processed: OCT. 25, 2013

Oral Report: OCT. 25, 2013

Suite	Analyte	Analyte Description						
INORGANIC	Al	Aluminum						
Sample ID	Std Result	UOM	ML	MTAL	Std Result /TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-13-32443	823	ug/L	2.5	750	1.0973	E	NQ	NQ

Steve Veenus

Stormwater Project Manager

10.25.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: W011

SMA: W-SMA-8

Associated Site(s): 16-016(g), 16-028(b)

Station: SS2523

Collected: SEP. 12, 2013

Processed: OCT. 25, 2013

Oral Report: OCT. 25, 2013

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-13-32443	28.1	ug/L	.5	4.3	6.5349	E	NQ	NQ



Stormwater Project Manager

10.22.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: W012

SMA: W-SMA-8.7

Associated Site(s): 13-001, 13-002, 16-003(o), 16-004(a), 16-004(c), 16-026(j2), 16-029(h), 16-035

Station: SS103933

Collected: SEP. 12, 2013

Processed: OCT. 22, 2013

Oral Report: OCT. 22, 2013

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-13-32433	1920	ug/L	2.5	750	2.56	*	NQ	NQ

Steve Veenu

Stormwater Project Manager

10.25.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: W012A

SMA: W-SMA-8.71

Associated Site(s): 16-004(c)

Station: SS123938

Collected: SEP. 13, 2013

Processed: OCT. 31, 2013

Oral Report: OCT. 31, 2013

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-13-32496	19.8	ug/L	.5	4.3	4.6047	*	NQ	NQ



Stormwater Project Manager

11-4-13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: W012A

SMA: W-SMA-8.71

Associated Site(s): 16-004(c)

Station: SS123938

Collected: SEP. 13, 2013

Processed: OCT. 31, 2013

Oral Report: OCT. 31, 2013

Suite	Analyte	Analyte Description						
INORGANIC	Hg	Mercury						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result / TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-13-32168	1.51	ug/L	.005	1.4	1.0786		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: W012A

SMA: W-SMA-8.71

Associated Site(s): 16-004(c)

Station: SS123938

Collected: SEP. 13, 2013

Processed: OCT. 31, 2013

Oral Report: OCT. 31, 2013

Suite	Analyte	Analyte Description						
INORGANIC	Zn	Zinc						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result / TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-13-32496	55.4	ug/L	20	42	1.319		NQ	NQ



Stormwater Project Manager

11.4.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: W015

SMA: W-SMA-9.7

Associated Site(s): 11-011(a), 11-011(b)

Station: SS093916

Collected: SEP. 13, 2013

Processed: OCT. 31, 2013

Oral Report: OCT. 31, 2013

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-13-32399	9.74	ug/L	.5	4.3	2.2651		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: A002

SMA: A-SMA-2

Associated Site(s): 39-004(b), 39-004(e)

Station: SS2732

Collected: SEP. 12, 2013

Processed: OCT. 22, 2013

Oral Report: OCT. 22, 2013

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-13-32528	1310	ug/L	2.5	750	1.7467		NQ	NQ

Steve Veemis

Stormwater Project Manager

10.22.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: A002

SMA: A-SMA-2

Associated Site(s): 39-004(b), 39-004(e)

Station: SS2732

Collected: SEP. 12, 2013

Processed: OCT. 22, 2013

Oral Report: OCT. 22, 2013

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-13-32528	23.9	ug/L	.5	4.3	5.5581		NQ	NQ

Steve Velmes

Stormwater Project Manager

10.22.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: A006

SMA: A-SMA-3

Associated Site(s): 39-002(b), 39-004(c)

Station: SS100210

Collected: JUL. 25, 2013

Processed: AUG. 30, 2013

Oral Report: AUG. 30, 2013

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-13-39424	997	ug/L	2.5	750	1.3293		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: A006

SMA: A-SMA-3

Associated Site(s): 39-002(b), 39-004(c)

Station: SS100210

Collected: JUL. 25, 2013

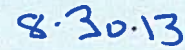
Processed: AUG. 30, 2013

Oral Report: AUG. 30, 2013

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-13-39424	245	ug/L	.5	4.3	56.9767		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: A006

SMA: A-SMA-3

Associated Site(s): 39-002(b), 39-004(c)

Station: SS100210

Collected: JUL. 25, 2013

Processed: AUG. 30, 2013

Oral Report: AUG. 30, 2013

Suite	Analyte	Analyte Description						
INORGANIC	Hg	Mercury						
Sample ID	Std Result	UOM	MQL	MTAL	Std Result / TAL Ratio	Lab Qual	Concat Flag	Concat Reason
WT_IPC-13-39423	9.04	ug/L	.005	1.4	6.4571		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: A009

SMA: A-SMA-6

Associated Site(s): 33-004(k), 33-007(a), 33-010(a)

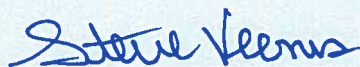
Station: SS310

Collected: AUG. 4, 2013

Processed: SEP. 5, 2013

Oral Report: SEP. 5, 2013

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-13-32530	5.86	ug/L	.5	4.3	1.3628		NQ	NQ



Stormwater Project Manager



Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: Q002A

SMA: CHQ-SMA-1.02

Associated Site(s): 33-004(h), 33-008(c), 33-011(d), 33-015

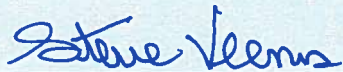
Station: SS090613

Collected: JUL. 25, 2013

Processed: SEP. 5, 2013

Oral Report: SEP. 5, 2013

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-13-32118	4.46	ug/L	.5	4.3	1.0372		NQ	NQ



Stormwater Project Manager

9.5.13

Date

IP 24-Hour Oral Exceedance MTAL Report

Friday, October 17, 2014

Permitted Feature: Q009

SMA: CHQ-SMA-6

Associated Site(s): 33-004(j), 33-006(a), 33-007(b), 33-010(c), 33-010(g), 33-010(h), 33-014

Station: SS3377

Collected: JUL. 25, 2013

Processed: AUG. 30, 2013

Oral Report: AUG. 30, 2013

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-13-32538	87.6	ug/L	.5	4.3	20.3721		NQ	NQ



Stormwater Project Manager



Date