January 15, 2019

Mr. Rob Burkhart
DEQ Northwest Regional Office
700 NE Multnomah St., Suite 600
Portland, OR 97232

Subject: December 2018 Discharge Monitoring Report
Stormwater Source Control Measures
Arkema Portland Facility (ECSI Site ID: 398; File No.: 68471; Permit No.: 100752)

Dear Mr. Burkhart:

Legacy Site Services LLC (LSS), agent for Arkema, is submitting the attached December 2018 *Discharge Monitoring Report for the Stormwater Source Control Measures at the Arkema Portland Facility* in accordance with the *Performance Monitoring Plan for Stormwater Source Control Measures* dated October 1, 2012. Source control measures (SCMs) are being conducted in accordance with an Order on Consent, requiring SCMs, issued by the Oregon Department of Environmental Quality (DEQ), signed October 31, 2008 (DEQ No. LQVC-NWR-08-04). In addition, the stormwater SCMs are being conducted under a Mutual Agreement and Order (No. WQ/I-NWR-10-175) executed by DEQ and LSS on August 4, 2010.

Stormwater samples were collected on December 3, 2018, for the November 30–December 3, 2018, sampling event, and on January 2, 2019, for the December 29, 2018–January 1, 2019, sampling event. The sample on December 3, 2018, was collected to be analyzed by the laboratory for total suspended solids, DDx, metals (lead, copper, and zinc), hardness, and oil and grease. On December 26, 2018, Integral was notified that the laboratory had run out of standards for the DDx analysis and that the time required for the laboratory to receive new standards and create a calibration curve would push the samples beyond the sample holding times for DDx. Because of this, the results would not be useable. In response to this problem, Integral collected a new sample for DDx analysis. Integral set the sampler program on December 27, 2018, and collected an additional stormwater sample for DDx and total suspended solids analysis on January 2, 2019. All results are summarized the Discharge Monitoring Report.

I certify, under penalty of law, that this document and all attachments were prepared under my direct supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Retia USA, LLC/Legacy Site Services, LLC
665 Stockton Drive, Suite 100
Exton, PA 19341
Tel: 484-875-3463

Please contact me at (484) 875-3463 if you have any questions regarding this submittal.

Sincerely,

Legacy Site Services LLC

J. Todd Slater
Assistant Vice President

cc: (hard copy and electronic copy)
Rob Burkhart, DEQ
Matt McClincy, DEQ
(electronic copy)
Sean Sheldrake, EPA Region 10
Lance Peterson, CDM
Kevin Deeny, KC Environmental
David Livermore, Integral
Mike Martin, Integral
Jane Sund, Integral

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME ARKEMA INC

ADDRESS 6400 NW FRONT AVE, PORTLAND, OR 97210

FACILITY LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved.
OMB No. 2040-0004

100752	Outfall 004
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2018	12	01	TO	2018	12	31

☐ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE, AVG	VALUE, MAX	UNITS	VALUE, MIN	VALUE, AVG	VALUE, MAX	UNITS			
Hardness as CaCO3 (mg/L)	SAMPLE MEASUREMENT	NA	NA		NA	NA	27	mg/L	0		
	PERMIT REQUIREMENT	NA	NA		NA	NA	NA			1/90	72HC
Oil and Grease (mg/L)	SAMPLE MEASUREMENT	NA	NA		NA	NA	ND 5.1	mg/L	0		
	PERMIT REQUIREMENT	NA	NA		NA	NA	10			1/90	Grab
pH, field measurement (standard units)	SAMPLE MEASUREMENT	NA	NA		NA	NA	7.97	SU	0		
	PERMIT REQUIREMENT	NA	NA		NA	NA	6.5-8.5			1/30	Grab
TSS (mg/L)	SAMPLE MEASUREMENT	NA	NA		NA	NA	ND 2.0	mg/L	0		
	PERMIT REQUIREMENT	NA	NA		NA	NA	130			1/30	72HC
Copper (ug/L)	SAMPLE MEASUREMENT	NA	NA		NA	NA	<10.0	ug/L	0		
	PERMIT REQUIREMENT	NA	NA		NA	NA	18			1/90	72HC
Lead (ug/L)	SAMPLE MEASUREMENT	NA	NA		NA	NA	<5.0	ug/L	0		
	PERMIT REQUIREMENT	NA	NA		NA	NA	5			1/90	72HC
Zinc (ug/L)	SAMPLE MEASUREMENT	NA	NA		NA	NA	<5.0	ug/L	0		
	PERMIT REQUIREMENT	NA	NA		NA	NA	117			1/90	72HC

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Todd Slater

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
484	875-3463	2019	01	15
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Hardness, oil and grease, pH, TSS, and metals collected on December 3, 2018 (November 30-Decemeber 3, 2018 stormwater sampling event).
Value is result of sample collected over 72 hour discharge period. Permit requirement limit is the daily maximum discharge limit.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME ARKEMA INC
ADDRESS 6400 NW FRONT AVE, PORTLAND, OR 97210

FACILITY LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved.
OMB No. 2040-0004

100752	Outfall 004
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2018	12	01	TO	2018	12	31

☐ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE, AVG	VALUE, MAX	UNITS	VALUE, MIN	VALUE, AVG	VALUE, MAX	UNITS			
2,4'-DDD	SAMPLE MEASUREMENT	NA	NA		NA	NA	<0.05 J	ug/L	0		
	PERMIT REQUIREMENT	NA	NA		NA	NA	0.05			1/30	72HC
4,4'-DDD	SAMPLE MEASUREMENT	NA	NA		NA	NA	<0.05 J	ug/L	0		
	PERMIT REQUIREMENT	NA	NA		NA	NA	0.05			1/30	72HC
2,4'-DDE	SAMPLE MEASUREMENT	NA	NA		NA	NA	<0.05 J	ug/L	0		
	PERMIT REQUIREMENT	NA	NA		NA	NA	0.05			1/30	72HC
4,4'-DDE	SAMPLE MEASUREMENT	NA	NA		NA	NA	<0.05 J	ug/L	0		
	PERMIT REQUIREMENT	NA	NA		NA	NA	0.05			1/30	72HC
2,4'-DDT	SAMPLE MEASUREMENT	NA	NA		NA	NA	<0.05 J	ug/L	0		
	PERMIT REQUIREMENT	NA	NA		NA	NA	0.05			1/30	72HC
4,4'-DDT	SAMPLE MEASUREMENT	NA	NA		NA	NA	<0.05 J	ug/L	0		
	PERMIT REQUIREMENT	NA	NA		NA	NA	0.05			1/30	72HC
Total of 2,4' and 4,4'-DDD,-DDE,-DDT	SAMPLE MEASUREMENT	NA	NA		NA	NA	<0.05 J	ug/L	0		
	PERMIT REQUIREMENT	NA	NA		NA	NA	0.05			1/30	72HC

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Todd Slater
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
484	875-3463	2019	01	15
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):
DDx sample collected on January 2, 2019 (December 29, 2018–January 1, 2019, stormwater sampling event).
Value is result of sample collected over 72 hour discharge period.
J = Estimated value

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/1/2018 0:00	0.401	0.094	0.0117
12/1/2018 0:01	0.401	0.094	0.0117
12/1/2018 0:15	0.401	0.094	0.0117
12/1/2018 0:30	0.401	0.094	0.0117
12/1/2018 0:45	0.399	0.092	0.0102
12/1/2018 1:00	0.399	0.092	0.0102
12/1/2018 1:01	0.399	0.092	0.0102
12/1/2018 1:15	0.399	0.092	0.0102
12/1/2018 1:30	0.398	0.091	0.0095
12/1/2018 1:45	0.398	0.091	0.0095
12/1/2018 2:00	0.398	0.091	0.0095
12/1/2018 2:01	0.398	0.091	0.0095
12/1/2018 2:15	0.398	0.091	0.0095
12/1/2018 2:30	0.399	0.092	0.0102
12/1/2018 2:45	0.4	0.093	0.0110
12/1/2018 3:00	0.401	0.094	0.0117
12/1/2018 3:01	0.401	0.094	0.0117
12/1/2018 3:15	0.401	0.094	0.0117
12/1/2018 3:30	0.401	0.094	0.0117
12/1/2018 3:45	0.401	0.094	0.0117
12/1/2018 4:00	0.4	0.093	0.0110
12/1/2018 4:01	0.4	0.093	0.0110
12/1/2018 4:15	0.399	0.092	0.0102
12/1/2018 4:30	0.399	0.092	0.0102
12/1/2018 4:45	0.399	0.092	0.0102
12/1/2018 5:00	0.398	0.091	0.0095
12/1/2018 5:01	0.398	0.091	0.0095
12/1/2018 5:15	0.397	0.090	0.0088
12/1/2018 5:30	0.398	0.091	0.0095
12/1/2018 5:45	0.398	0.091	0.0095
12/1/2018 6:00	0.397	0.090	0.0088
12/1/2018 6:01	0.397	0.090	0.0088
12/1/2018 6:15	0.396	0.089	0.0067
12/1/2018 6:30	0.396	0.089	0.0067
12/1/2018 6:45	0.395	0.088	0.0066
12/1/2018 7:00	0.394	0.087	0.0064
12/1/2018 7:01	0.394	0.087	0.0064
12/1/2018 7:15	0.394	0.087	0.0064
12/1/2018 7:30	0.394	0.087	0.0064
12/1/2018 7:45	0.393	0.086	0.0062
12/1/2018 8:00	0.393	0.086	0.0062
12/1/2018 8:01	0.393	0.086	0.0062
12/1/2018 8:15	0.393	0.086	0.0062
12/1/2018 8:30	0.392	0.085	0.0061
12/1/2018 8:45	0.391	0.084	0.0059
12/1/2018 9:00	0.391	0.084	0.0059
12/1/2018 9:01	0.391	0.084	0.0059
12/1/2018 9:15	0.391	0.084	0.0059
12/1/2018 9:30	0.389	0.082	0.0056
12/1/2018 9:45	0.389	0.082	0.0056
12/1/2018 10:00	0.389	0.082	0.0056

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/1/2018 10:01	0.389	0.082	0.0056
12/1/2018 10:15	0.389	0.082	0.0056
12/1/2018 10:30	0.389	0.082	0.0056
12/1/2018 10:45	0.387	0.080	0.0053
12/1/2018 11:00	0.387	0.080	0.0053
12/1/2018 11:01	0.387	0.080	0.0053
12/1/2018 11:15	0.387	0.080	0.0053
12/1/2018 11:30	0.387	0.080	0.0053
12/1/2018 11:45	0.387	0.080	0.0053
12/1/2018 12:00	0.386	0.079	0.0052
12/1/2018 12:01	0.386	0.079	0.0052
12/1/2018 12:15	0.386	0.079	0.0052
12/1/2018 12:30	0.386	0.079	0.0052
12/1/2018 12:45	0.386	0.079	0.0052
12/1/2018 13:00	0.386	0.079	0.0052
12/1/2018 13:01	0.386	0.079	0.0052
12/1/2018 13:15	0.387	0.080	0.0053
12/1/2018 13:30	0.387	0.080	0.0053
12/1/2018 13:45	0.387	0.080	0.0053
12/1/2018 14:00	0.386	0.079	0.0052
12/1/2018 14:01	0.386	0.079	0.0052
12/1/2018 14:15	0.386	0.079	0.0052
12/1/2018 14:30	0.385	0.078	0.0050
12/1/2018 14:45	0.384	0.077	0.0049
12/1/2018 15:00	0.384	0.077	0.0049
12/1/2018 15:01	0.384	0.077	0.0049
12/1/2018 15:15	0.383	0.076	0.0047
12/1/2018 15:30	0.383	0.076	0.0047
12/1/2018 15:45	0.383	0.076	0.0047
12/1/2018 16:00	0.382	0.075	0.0046
12/1/2018 16:01	0.382	0.075	0.0046
12/1/2018 16:15	0.381	0.074	0.0044
12/1/2018 16:30	0.381	0.074	0.0044
12/1/2018 16:45	0.38	0.073	0.0043
12/1/2018 17:00	0.379	0.072	0.0042
12/1/2018 17:01	0.379	0.072	0.0042
12/1/2018 17:15	0.379	0.072	0.0042
12/1/2018 17:30	0.379	0.072	0.0042
12/1/2018 17:45	0.378	0.071	0.0040
12/1/2018 18:00	0.378	0.071	0.0040
12/1/2018 18:01	0.378	0.071	0.0040
12/1/2018 18:15	0.378	0.071	0.0040
12/1/2018 18:30	0.377	0.070	0.0039
12/1/2018 18:45	0.377	0.070	0.0039
12/1/2018 19:00	0.376	0.069	0.0038
12/1/2018 19:01	0.376	0.069	0.0038
12/1/2018 19:15	0.376	0.069	0.0038
12/1/2018 19:30	0.376	0.069	0.0038
12/1/2018 19:45	0.376	0.069	0.0038
12/1/2018 20:00	0.376	0.069	0.0038
12/1/2018 20:01	0.376	0.069	0.0038

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/1/2018 20:15	0.374	0.067	0.0035
12/1/2018 20:30	0.374	0.067	0.0035
12/1/2018 20:45	0.374	0.067	0.0035
12/1/2018 21:00	0.374	0.067	0.0035
12/1/2018 21:01	0.374	0.067	0.0035
12/1/2018 21:15	0.374	0.067	0.0035
12/1/2018 21:30	0.374	0.067	0.0035
12/1/2018 21:45	0.374	0.067	0.0035
12/1/2018 22:00	0.373	0.066	0.0034
12/1/2018 22:01	0.373	0.066	0.0034
12/1/2018 22:15	0.373	0.066	0.0034
12/1/2018 22:30	0.373	0.066	0.0034
12/1/2018 22:45	0.373	0.066	0.0034
12/1/2018 23:00	0.373	0.066	0.0034
12/1/2018 23:01	0.373	0.066	0.0034
12/1/2018 23:15	0.373	0.066	0.0034
12/1/2018 23:30	0.372	0.065	0.0032
12/1/2018 23:45	0.372	0.065	0.0032
12/2/2018 0:00	0.372	0.065	0.0032
12/2/2018 0:01	0.372	0.065	0.0032
12/2/2018 0:15	0.371	0.064	0.0031
12/2/2018 0:30	0.371	0.064	0.0031
12/2/2018 0:45	0.371	0.064	0.0031
12/2/2018 1:00	0.371	0.064	0.0031
12/2/2018 1:01	0.371	0.064	0.0031
12/2/2018 1:15	0.371	0.064	0.0031
12/2/2018 1:30	0.37	0.063	0.0030
12/2/2018 1:45	0.37	0.063	0.0030
12/2/2018 2:00	0.37	0.063	0.0030
12/2/2018 2:01	0.37	0.063	0.0030
12/2/2018 2:15	0.37	0.063	0.0030
12/2/2018 2:30	0.369	0.062	0.0029
12/2/2018 2:45	0.369	0.062	0.0029
12/2/2018 3:00	0.369	0.062	0.0029
12/2/2018 3:01	0.369	0.062	0.0029
12/2/2018 3:15	0.369	0.062	0.0029
12/2/2018 3:30	0.369	0.062	0.0029
12/2/2018 3:45	0.369	0.062	0.0029
12/2/2018 4:00	0.369	0.062	0.0029
12/2/2018 4:01	0.369	0.062	0.0029
12/2/2018 4:15	0.369	0.062	0.0029
12/2/2018 4:30	0.369	0.062	0.0029
12/2/2018 4:45	0.368	0.061	0.0028
12/2/2018 5:00	0.368	0.061	0.0028
12/2/2018 5:01	0.368	0.061	0.0028
12/2/2018 5:15	0.367	0.060	0.0027
12/2/2018 5:30	0.367	0.060	0.0027
12/2/2018 5:45	0.367	0.060	0.0027
12/2/2018 6:00	0.367	0.060	0.0027
12/2/2018 6:01	0.367	0.060	0.0027
12/2/2018 6:15	0.367	0.060	0.0027

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/2/2018 6:30	0.367	0.060	0.0027
12/2/2018 6:45	0.367	0.060	0.0027
12/2/2018 7:00	0.367	0.060	0.0027
12/2/2018 7:01	0.367	0.060	0.0027
12/2/2018 7:15	0.367	0.060	0.0027
12/2/2018 7:30	0.367	0.060	0.0027
12/2/2018 7:45	0.366	0.059	0.0025
12/2/2018 8:00	0.367	0.060	0.0027
12/2/2018 8:01	0.367	0.060	0.0027
12/2/2018 8:15	0.366	0.059	0.0025
12/2/2018 8:30	0.366	0.059	0.0025
12/2/2018 8:45	0.366	0.059	0.0025
12/2/2018 9:00	0.366	0.059	0.0025
12/2/2018 9:01	0.366	0.059	0.0025
12/2/2018 9:15	0.366	0.059	0.0025
12/2/2018 9:30	0.366	0.059	0.0025
12/2/2018 9:45	0.366	0.059	0.0025
12/2/2018 10:00	0.366	0.059	0.0025
12/2/2018 10:01	0.366	0.059	0.0025
12/2/2018 10:15	0.366	0.059	0.0025
12/2/2018 10:30	0.366	0.059	0.0025
12/2/2018 10:45	0.367	0.060	0.0027
12/2/2018 11:00	0.366	0.059	0.0025
12/2/2018 11:01	0.366	0.059	0.0025
12/2/2018 11:15	0.366	0.059	0.0025
12/2/2018 11:30	0.365	0.058	0.0024
12/2/2018 11:45	0.366	0.059	0.0025
12/2/2018 12:00	0.366	0.059	0.0025
12/2/2018 12:01	0.366	0.059	0.0025
12/2/2018 12:15	0.366	0.059	0.0025
12/2/2018 12:30	0.367	0.060	0.0027
12/2/2018 12:45	0.368	0.061	0.0028
12/2/2018 13:00	0.367	0.060	0.0027
12/2/2018 13:01	0.367	0.060	0.0027
12/2/2018 13:15	0.368	0.061	0.0028
12/2/2018 13:30	0.367	0.060	0.0027
12/2/2018 13:45	0.368	0.061	0.0028
12/2/2018 14:00	0.369	0.062	0.0029
12/2/2018 14:01	0.369	0.062	0.0029
12/2/2018 14:15	0.369	0.062	0.0029
12/2/2018 14:30	0.37	0.063	0.0030
12/2/2018 14:45	0.369	0.062	0.0029
12/2/2018 15:00	0.368	0.061	0.0028
12/2/2018 15:01	0.368	0.061	0.0028
12/2/2018 15:15	0.367	0.060	0.0027
12/2/2018 15:30	0.367	0.060	0.0027
12/2/2018 15:45	0.367	0.060	0.0027
12/2/2018 16:00	0.367	0.060	0.0027
12/2/2018 16:01	0.367	0.060	0.0027
12/2/2018 16:15	0.366	0.059	0.0025
12/2/2018 16:30	0.364	0.057	0.0023

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/2/2018 16:45	0.364	0.057	0.0023
12/2/2018 17:00	0.363	0.056	0.0022
12/2/2018 17:01	0.363	0.056	0.0022
12/2/2018 17:15	0.363	0.056	0.0022
12/2/2018 17:30	0.362	0.055	0.0021
12/2/2018 17:45	0.361	0.054	0.0020
12/2/2018 18:00	0.361	0.054	0.0020
12/2/2018 18:01	0.361	0.054	0.0020
12/2/2018 18:15	0.359	0.052	0.0018
12/2/2018 18:30	0.359	0.052	0.0018
12/2/2018 18:45	0.359	0.052	0.0018
12/2/2018 19:00	0.358	0.051	0.0017
12/2/2018 19:01	0.358	0.051	0.0017
12/2/2018 19:15	0.358	0.051	0.0017
12/2/2018 19:30	0.358	0.051	0.0017
12/2/2018 19:45	0.357	0.050	0.0016
12/2/2018 20:00	0.356	0.049	0.0016
12/2/2018 20:01	0.356	0.049	0.0016
12/2/2018 20:15	0.356	0.049	0.0016
12/2/2018 20:30	0.356	0.049	0.0016
12/2/2018 20:45	0.356	0.049	0.0016
12/2/2018 21:00	0.356	0.049	0.0016
12/2/2018 21:01	0.356	0.049	0.0016
12/2/2018 21:15	0.356	0.049	0.0016
12/2/2018 21:30	0.354	0.047	0.0014
12/2/2018 21:45	0.354	0.047	0.0014
12/2/2018 22:00	0.354	0.047	0.0014
12/2/2018 22:01	0.354	0.047	0.0014
12/2/2018 22:15	0.354	0.047	0.0014
12/2/2018 22:30	0.354	0.047	0.0014
12/2/2018 22:45	0.354	0.047	0.0014
12/2/2018 23:00	0.353	0.046	0.0013
12/2/2018 23:01	0.353	0.046	0.0013
12/2/2018 23:15	0.352	0.045	0.0012
12/2/2018 23:30	0.352	0.045	0.0012
12/2/2018 23:45	0.352	0.045	0.0012
12/3/2018 0:00	0.352	0.045	0.0012
12/3/2018 0:01	0.352	0.045	0.0012
12/3/2018 0:15	0.351	0.044	0.0012
12/3/2018 0:30	0.351	0.044	0.0012
12/3/2018 0:45	0.351	0.044	0.0012
12/3/2018 1:00	0.349	0.042	0.0010
12/3/2018 1:01	0.349	0.042	0.0010
12/3/2018 1:15	0.349	0.042	0.0010
12/3/2018 1:30	0.349	0.042	0.0010
12/3/2018 1:45	0.349	0.042	0.0010
12/3/2018 2:00	0.349	0.042	0.0010
12/3/2018 2:01	0.349	0.042	0.0010
12/3/2018 2:15	0.349	0.042	0.0010
12/3/2018 2:30	0.348	0.041	0.0009
12/3/2018 2:45	0.347	0.040	0.0009

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/3/2018 3:00	0.347	0.040	0.0009
12/3/2018 3:01	0.347	0.040	0.0009
12/3/2018 3:15	0.347	0.040	0.0009
12/3/2018 3:30	0.346	0.039	0.0008
12/3/2018 3:45	0.346	0.039	0.0008
12/3/2018 4:00	0.346	0.039	0.0008
12/3/2018 4:01	0.346	0.039	0.0008
12/3/2018 4:15	0.346	0.039	0.0008
12/3/2018 4:30	0.346	0.039	0.0008
12/3/2018 4:45	0.346	0.039	0.0008
12/3/2018 5:00	0.346	0.039	0.0008
12/3/2018 5:01	0.346	0.039	0.0008
12/3/2018 5:15	0.346	0.039	0.0008
12/3/2018 5:30	0.346	0.039	0.0008
12/3/2018 5:45	0.346	0.039	0.0008
12/3/2018 6:00	0.346	0.039	0.0008
12/3/2018 6:01	0.346	0.039	0.0008
12/3/2018 6:15	0.346	0.039	0.0008
12/3/2018 6:30	0.345	0.038	0.0007
12/3/2018 6:45	0.345	0.038	0.0007
12/3/2018 7:00	0.345	0.038	0.0007
12/3/2018 7:01	0.345	0.038	0.0007
12/3/2018 7:15	0.345	0.038	0.0007
12/3/2018 7:30	0.345	0.038	0.0007
12/3/2018 7:45	0.344	0.037	0.0007
12/3/2018 8:00	0.344	0.037	0.0007
12/3/2018 8:01	0.344	0.037	0.0007
12/3/2018 8:15	0.344	0.037	0.0007
12/3/2018 8:30	0.344	0.037	0.0007
12/3/2018 8:45	0.344	0.037	0.0007
12/3/2018 9:00	0.343	0.036	0.0006
12/3/2018 9:01	0.343	0.036	0.0006
12/3/2018 9:15	0.343	0.036	0.0006
12/3/2018 9:30	0.343	0.036	0.0006
12/3/2018 9:45	0.342	0.035	0.0006
12/3/2018 10:00	0.341	0.034	0.0005
12/3/2018 10:01	0.341	0.034	0.0005
12/3/2018 10:15	0.341	0.034	0.0005
12/3/2018 10:30	0.341	0.034	0.0005
12/3/2018 10:45	0.341	0.034	0.0005
12/3/2018 11:00	0.341	0.034	0.0005
12/3/2018 11:01	0.341	0.034	0.0005
12/3/2018 11:15	0.341	0.034	0.0005
12/3/2018 11:30	0.341	0.034	0.0005
12/3/2018 11:45	0.341	0.034	0.0005
12/3/2018 12:00	0.342	0.035	0.0006
12/3/2018 12:01	0.342	0.035	0.0006
12/3/2018 12:15	0.342	0.035	0.0006
12/3/2018 12:30	0.344	0.037	0.0007
12/3/2018 12:45	0.344	0.037	0.0007
12/3/2018 13:00	0.345	0.038	0.0007

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/3/2018 13:01	0.345	0.038	0.0007
12/3/2018 13:15	0.346	0.039	0.0008
12/3/2018 13:30	0.346	0.039	0.0008
12/3/2018 13:45	0.346	0.039	0.0008
12/3/2018 14:00	0.347	0.040	0.0009
12/3/2018 14:01	0.347	0.040	0.0009
12/3/2018 14:15	0.347	0.040	0.0009
12/3/2018 14:30	0.347	0.040	0.0009
12/3/2018 14:45	0.347	0.040	0.0009
12/3/2018 15:00	0.347	0.040	0.0009
12/3/2018 15:01	0.347	0.040	0.0009
12/3/2018 15:15	0.347	0.040	0.0009
12/3/2018 15:30	0.346	0.039	0.0008
12/3/2018 15:45	0.346	0.039	0.0008
12/3/2018 16:00	0.345	0.038	0.0007
12/3/2018 16:01	0.345	0.038	0.0007
12/3/2018 16:15	0.345	0.038	0.0007
12/3/2018 16:30	0.339	0.032	0.0004
12/3/2018 16:45	0.338	0.031	0.0004
12/3/2018 17:00	0.337	0.030	0.0004
12/3/2018 17:15	0.337	0.030	0.0004
12/3/2018 17:30	0.335	0.028	0.0003
12/3/2018 17:45	0.334	0.027	0.0002
12/3/2018 18:00	0.334	0.027	0.0002
12/3/2018 18:15	0.332	0.025	0.0002
12/3/2018 18:30	0.331	0.024	0.0002
12/3/2018 18:45	0.33	0.023	0.0001
12/3/2018 19:00	0.329	0.022	0.0001
12/3/2018 19:15	0.329	0.022	0.0001
12/3/2018 19:30	0.328	0.021	0.0001
12/3/2018 19:45	0.329	0.022	0.0001
12/3/2018 20:00	0.328	0.021	0.0001
12/3/2018 20:15	0.329	0.022	0.0001
12/3/2018 20:30	0.329	0.022	0.0001
12/3/2018 20:45	0.328	0.021	0.0001
12/3/2018 21:00	0.326	0.019	0.0001
12/3/2018 21:15	0.326	0.019	0.0001
12/3/2018 21:30	0.328	0.021	0.0001
12/3/2018 21:45	0.329	0.022	0.0001
12/3/2018 22:00	0.328	0.021	0.0001
12/3/2018 22:15	0.326	0.019	0.0001
12/3/2018 22:30	0.324	0.017	0.0001
12/3/2018 22:45	0.323	0.016	0.0001
12/3/2018 23:00	0.323	0.016	0.0001
12/3/2018 23:15	0.323	0.016	0.0001
12/3/2018 23:30	0.325	0.018	0.0001
12/3/2018 23:45	0.327	0.020	0.0001
12/4/2018 0:00	0.326	0.019	0.0001
12/4/2018 0:15	0.325	0.018	0.0001
12/4/2018 0:30	0.324	0.017	0.0001
12/4/2018 0:45	0.324	0.017	0.0001

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/4/2018 1:00	0.323	0.016	0.0001
12/4/2018 1:15	0.322	0.015	0.0001
12/4/2018 1:30	0.321	0.014	0.0001
12/4/2018 1:45	0.321	0.014	0.0001
12/4/2018 2:00	0.32	0.013	0.0001
12/4/2018 2:15	0.32	0.013	0.0001
12/4/2018 2:30	0.319	0.012	0.0001
12/4/2018 2:45	0.318	0.011	0.0001
12/4/2018 3:00	0.321	0.014	0.0001
12/4/2018 3:15	0.32	0.013	0.0001
12/4/2018 3:30	0.319	0.012	0.0001
12/4/2018 3:45	0.32	0.013	0.0001
12/4/2018 4:00	0.319	0.012	0.0001
12/4/2018 4:15	0.318	0.011	0.0001
12/4/2018 4:30	0.317	0.010	0.0002
12/4/2018 4:45	0.317	0.010	0.0002
12/4/2018 5:00	0.318	0.011	0.0001
12/4/2018 5:15	0.316	0.009	0.0002
12/4/2018 5:30	0.315	0.008	0.0002
12/4/2018 5:45	0.312	0.005	0.0003
12/4/2018 6:00	0.313	0.006	0.0003
12/4/2018 6:15	0.314	0.007	0.0002
12/4/2018 6:30	0.313	0.006	0.0003
12/4/2018 6:45	0.315	0.008	0.0002
12/4/2018 7:00	0.315	0.008	0.0002
12/4/2018 7:15	0.312	0.005	0.0003
12/4/2018 7:30	0.312	0.005	0.0003
12/4/2018 7:45	0.312	0.005	0.0003
12/4/2018 8:00	0.312	0.005	0.0003
12/4/2018 8:15	0.312	0.005	0.0003
12/4/2018 8:30	0.312	0.005	0.0003
12/4/2018 8:45	0.312	0.005	0.0003
12/4/2018 9:00	0.311	0.004	0.0003
12/4/2018 9:15	0.313	0.006	0.0003
12/4/2018 9:30	0.316	0.009	0.0002
12/4/2018 9:45	0.318	0.011	0.0001
12/4/2018 10:00	0.319	0.012	0.0001
12/4/2018 10:15	0.324	0.017	0.0001
12/4/2018 10:30	0.322	0.015	0.0001
12/4/2018 10:45	0.321	0.014	0.0001
12/4/2018 11:00	0.322	0.015	0.0001
12/4/2018 11:15	0.322	0.015	0.0001
12/4/2018 11:30	0.323	0.016	0.0001
12/4/2018 11:45	0.325	0.018	0.0001
12/4/2018 12:00	0.323	0.016	0.0001
12/4/2018 12:15	0.323	0.016	0.0001
12/4/2018 12:30	0.321	0.014	0.0001
12/4/2018 12:45	0.324	0.017	0.0001
12/4/2018 13:00	0.324	0.017	0.0001
12/4/2018 13:15	0.321	0.014	0.0001
12/4/2018 13:30	0.321	0.014	0.0001

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/4/2018 13:45	0.327	0.020	0.0001
12/4/2018 14:00	0.33	0.023	0.0001
12/4/2018 14:15	0.329	0.022	0.0001
12/4/2018 14:30	0.326	0.019	0.0001
12/4/2018 14:45	0.326	0.019	0.0001
12/4/2018 15:00	0.325	0.018	0.0001
12/4/2018 15:15	0.323	0.016	0.0001
12/4/2018 15:30	0.323	0.016	0.0001
12/4/2018 15:45	0.319	0.012	0.0001
12/4/2018 16:00	0.317	0.010	0.0002
12/4/2018 16:15	0.316	0.009	0.0002
12/4/2018 16:30	0.316	0.009	0.0002
12/4/2018 16:45	0.315	0.008	0.0002
12/4/2018 17:00	0.313	0.006	0.0003
12/4/2018 17:15	0.311	0.004	0.0003
12/4/2018 17:30	0.309	0.002	0.0004
12/4/2018 17:45	0.309	0.002	0.0004
12/4/2018 18:00	0.311	0.004	0.0003
12/4/2018 18:15	0.31	0.003	0.0004
12/4/2018 18:30	0.309	0.002	0.0004
12/4/2018 18:45	0.308	0.001	0.0005
12/4/2018 19:00	0.306	0.000	0.0000
12/4/2018 19:15	0.305	0.000	0.0000
12/4/2018 19:30	0.306	0.000	0.0000
12/4/2018 19:45	0.306	0.000	0.0000
12/4/2018 20:00	0.305	0.000	0.0000
12/4/2018 20:15	0.305	0.000	0.0000
12/4/2018 20:30	0.304	0.000	0.0000
12/4/2018 20:45	0.304	0.000	0.0000
12/4/2018 21:00	0.304	0.000	0.0000
12/4/2018 21:15	0.303	0.000	0.0000
12/4/2018 21:30	0.303	0.000	0.0000
12/4/2018 21:45	0.302	0.000	0.0000
12/4/2018 22:00	0.302	0.000	0.0000
12/4/2018 22:15	0.302	0.000	0.0000
12/4/2018 22:30	0.301	0.000	0.0000
12/4/2018 22:45	0.301	0.000	0.0000
12/4/2018 23:00	0.301	0.000	0.0000
12/4/2018 23:15	0.299	0.000	0.0000
12/4/2018 23:30	0.299	0.000	0.0000
12/4/2018 23:45	0.298	0.000	0.0000
12/5/2018 0:00	0.297	0.000	0.0000
12/5/2018 0:15	0.297	0.000	0.0000
12/5/2018 0:30	0.297	0.000	0.0000
12/5/2018 0:45	0.297	0.000	0.0000
12/5/2018 1:00	0.296	0.000	0.0000
12/5/2018 1:15	0.297	0.000	0.0000
12/5/2018 1:30	0.297	0.000	0.0000
12/5/2018 1:45	0.297	0.000	0.0000
12/5/2018 2:00	0.297	0.000	0.0000
12/5/2018 2:15	0.296	0.000	0.0000

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/5/2018 2:30	0.296	0.000	0.0000
12/5/2018 2:45	0.296	0.000	0.0000
12/5/2018 3:00	0.296	0.000	0.0000
12/5/2018 3:15	0.296	0.000	0.0000
12/5/2018 3:30	0.295	0.000	0.0000
12/5/2018 3:45	0.294	0.000	0.0000
12/5/2018 4:00	0.294	0.000	0.0000
12/5/2018 4:15	0.293	0.000	0.0000
12/5/2018 4:30	0.293	0.000	0.0000
12/5/2018 4:45	0.293	0.000	0.0000
12/5/2018 5:00	0.293	0.000	0.0000
12/5/2018 5:15	0.293	0.000	0.0000
12/5/2018 5:30	0.292	0.000	0.0000
12/5/2018 5:45	0.292	0.000	0.0000
12/5/2018 6:00	0.29	0.000	0.0000
12/5/2018 6:15	0.289	0.000	0.0000
12/5/2018 6:30	0.289	0.000	0.0000
12/5/2018 6:45	0.288	0.000	0.0000
12/5/2018 7:00	0.287	0.000	0.0000
12/5/2018 7:15	0.287	0.000	0.0000
12/5/2018 7:30	0.286	0.000	0.0000
12/5/2018 7:45	0.286	0.000	0.0000
12/5/2018 8:00	0.286	0.000	0.0000
12/5/2018 8:15	0.285	0.000	0.0000
12/5/2018 8:30	0.286	0.000	0.0000
12/5/2018 8:45	0.287	0.000	0.0000
12/5/2018 9:00	0.289	0.000	0.0000
12/5/2018 9:15	0.29	0.000	0.0000
12/5/2018 9:30	0.29	0.000	0.0000
12/5/2018 9:45	0.289	0.000	0.0000
12/5/2018 10:00	0.294	0.000	0.0000
12/5/2018 10:15	0.295	0.000	0.0000
12/5/2018 10:30	0.295	0.000	0.0000
12/5/2018 10:45	0.296	0.000	0.0000
12/5/2018 11:00	0.297	0.000	0.0000
12/5/2018 11:15	0.297	0.000	0.0000
12/5/2018 11:30	0.3	0.000	0.0000
12/5/2018 11:45	0.298	0.000	0.0000
12/5/2018 12:00	0.3	0.000	0.0000
12/5/2018 12:15	0.303	0.000	0.0000
12/5/2018 12:30	0.302	0.000	0.0000
12/5/2018 12:45	0.302	0.000	0.0000
12/5/2018 13:00	0.301	0.000	0.0000
12/5/2018 13:15	0.299	0.000	0.0000
12/5/2018 13:30	0.304	0.000	0.0000
12/5/2018 13:45	0.298	0.000	0.0000
12/5/2018 14:00	0.3	0.000	0.0000
12/5/2018 14:15	0.297	0.000	0.0000
12/5/2018 14:30	0.296	0.000	0.0000
12/5/2018 14:45	0.296	0.000	0.0000
12/5/2018 15:00	0.296	0.000	0.0000

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/5/2018 15:15	0.295	0.000	0.0000
12/5/2018 15:30	0.294	0.000	0.0000
12/5/2018 15:45	0.291	0.000	0.0000
12/5/2018 16:00	0.288	0.000	0.0000
12/5/2018 16:15	0.284	0.000	0.0000
12/5/2018 16:30	0.283	0.000	0.0000
12/5/2018 16:45	0.282	0.000	0.0000
12/5/2018 17:00	0.283	0.000	0.0000
12/5/2018 17:15	0.281	0.000	0.0000
12/5/2018 17:30	0.279	0.000	0.0000
12/5/2018 17:45	0.276	0.000	0.0000
12/5/2018 18:00	0.28	0.000	0.0000
12/5/2018 18:15	0.279	0.000	0.0000
12/5/2018 18:30	0.277	0.000	0.0000
12/5/2018 18:45	0.277	0.000	0.0000
12/5/2018 19:00	0.277	0.000	0.0000
12/5/2018 19:15	0.277	0.000	0.0000
12/5/2018 19:30	0.276	0.000	0.0000
12/5/2018 19:45	0.276	0.000	0.0000
12/5/2018 20:00	0.276	0.000	0.0000
12/5/2018 20:15	0.275	0.000	0.0000
12/5/2018 20:30	0.275	0.000	0.0000
12/5/2018 20:45	0.276	0.000	0.0000
12/5/2018 21:00	0.276	0.000	0.0000
12/5/2018 21:15	0.274	0.000	0.0000
12/5/2018 21:30	0.276	0.000	0.0000
12/5/2018 21:45	0.273	0.000	0.0000
12/5/2018 22:00	0.274	0.000	0.0000
12/5/2018 22:15	0.273	0.000	0.0000
12/5/2018 22:30	0.272	0.000	0.0000
12/5/2018 22:45	0.271	0.000	0.0000
12/5/2018 23:00	0.271	0.000	0.0000
12/5/2018 23:15	0.271	0.000	0.0000
12/5/2018 23:30	0.27	0.000	0.0000
12/5/2018 23:45	0.272	0.000	0.0000
12/6/2018 0:00	0.27	0.000	0.0000
12/6/2018 0:15	0.27	0.000	0.0000
12/6/2018 0:30	0.269	0.000	0.0000
12/6/2018 0:45	0.268	0.000	0.0000
12/6/2018 1:00	0.268	0.000	0.0000
12/6/2018 1:15	0.266	0.000	0.0000
12/6/2018 1:30	0.265	0.000	0.0000
12/6/2018 1:45	0.266	0.000	0.0000
12/6/2018 2:00	0.266	0.000	0.0000
12/6/2018 2:15	0.266	0.000	0.0000
12/6/2018 2:30	0.265	0.000	0.0000
12/6/2018 2:45	0.265	0.000	0.0000
12/6/2018 3:00	0.265	0.000	0.0000
12/6/2018 3:15	0.265	0.000	0.0000
12/6/2018 3:30	0.265	0.000	0.0000
12/6/2018 3:45	0.265	0.000	0.0000

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/6/2018 4:00	0.263	0.000	0.0000
12/6/2018 4:15	0.263	0.000	0.0000
12/6/2018 4:30	0.264	0.000	0.0000
12/6/2018 4:45	0.264	0.000	0.0000
12/6/2018 5:00	0.264	0.000	0.0000
12/6/2018 5:15	0.264	0.000	0.0000
12/6/2018 5:30	0.264	0.000	0.0000
12/6/2018 5:45	0.263	0.000	0.0000
12/6/2018 6:00	0.263	0.000	0.0000
12/6/2018 6:15	0.263	0.000	0.0000
12/6/2018 6:30	0.262	0.000	0.0000
12/6/2018 6:45	0.263	0.000	0.0000
12/6/2018 7:00	0.262	0.000	0.0000
12/6/2018 7:15	0.261	0.000	0.0000
12/6/2018 7:30	0.261	0.000	0.0000
12/6/2018 7:45	0.26	0.000	0.0000
12/6/2018 8:00	0.26	0.000	0.0000
12/6/2018 8:15	0.26	0.000	0.0000
12/6/2018 8:30	0.261	0.000	0.0000
12/6/2018 8:45	0.261	0.000	0.0000
12/6/2018 9:00	0.261	0.000	0.0000
12/6/2018 9:15	0.26	0.000	0.0000
12/6/2018 9:30	0.262	0.000	0.0000
12/6/2018 9:45	0.264	0.000	0.0000
12/6/2018 10:00	0.265	0.000	0.0000
12/6/2018 10:15	0.266	0.000	0.0000
12/6/2018 10:30	0.269	0.000	0.0000
12/6/2018 10:45	0.269	0.000	0.0000
12/6/2018 11:00	0.272	0.000	0.0000
12/6/2018 11:15	0.27	0.000	0.0000
12/6/2018 11:30	0.272	0.000	0.0000
12/6/2018 11:45	0.271	0.000	0.0000
12/6/2018 12:00	0.27	0.000	0.0000
12/6/2018 12:15	0.27	0.000	0.0000
12/6/2018 12:30	0.271	0.000	0.0000
12/6/2018 12:45	0.27	0.000	0.0000
12/6/2018 13:00	0.271	0.000	0.0000
12/6/2018 13:15	0.271	0.000	0.0000
12/6/2018 13:30	0.272	0.000	0.0000
12/6/2018 13:45	0.274	0.000	0.0000
12/6/2018 14:00	0.273	0.000	0.0000
12/6/2018 14:15	0.272	0.000	0.0000
12/6/2018 14:30	0.27	0.000	0.0000
12/6/2018 14:45	0.268	0.000	0.0000
12/6/2018 15:00	0.267	0.000	0.0000
12/6/2018 15:15	0.268	0.000	0.0000
12/6/2018 15:30	0.265	0.000	0.0000
12/6/2018 15:45	0.264	0.000	0.0000
12/6/2018 16:00	0.261	0.000	0.0000
12/6/2018 16:15	0.259	0.000	0.0000
12/6/2018 16:30	0.257	0.000	0.0000

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/6/2018 16:45	0.255	0.000	0.0000
12/6/2018 17:00	0.252	0.000	0.0000
12/6/2018 17:15	0.251	0.000	0.0000
12/6/2018 17:30	0.249	0.000	0.0000
12/6/2018 17:45	0.249	0.000	0.0000
12/6/2018 18:00	0.247	0.000	0.0000
12/6/2018 18:15	0.247	0.000	0.0000
12/6/2018 18:30	0.246	0.000	0.0000
12/6/2018 18:45	0.246	0.000	0.0000
12/6/2018 19:00	0.244	0.000	0.0000
12/6/2018 19:15	0.244	0.000	0.0000
12/6/2018 19:30	0.244	0.000	0.0000
12/6/2018 19:45	0.243	0.000	0.0000
12/6/2018 20:00	0.243	0.000	0.0000
12/6/2018 20:15	0.242	0.000	0.0000
12/6/2018 20:30	0.243	0.000	0.0000
12/6/2018 20:45	0.242	0.000	0.0000
12/6/2018 21:00	0.241	0.000	0.0000
12/6/2018 21:15	0.242	0.000	0.0000
12/6/2018 21:30	0.241	0.000	0.0000
12/6/2018 21:45	0.24	0.000	0.0000
12/6/2018 22:00	0.24	0.000	0.0000
12/6/2018 22:15	0.239	0.000	0.0000
12/6/2018 22:30	0.239	0.000	0.0000
12/6/2018 22:45	0.24	0.000	0.0000
12/6/2018 23:00	0.24	0.000	0.0000
12/6/2018 23:15	0.239	0.000	0.0000
12/6/2018 23:30	0.239	0.000	0.0000
12/6/2018 23:45	0.24	0.000	0.0000
12/7/2018 0:00	0.238	0.000	0.0000
12/7/2018 0:15	0.238	0.000	0.0000
12/7/2018 0:30	0.237	0.000	0.0000
12/7/2018 0:45	0.237	0.000	0.0000
12/7/2018 1:00	0.237	0.000	0.0000
12/7/2018 1:15	0.236	0.000	0.0000
12/7/2018 1:30	0.236	0.000	0.0000
12/7/2018 1:45	0.235	0.000	0.0000
12/7/2018 2:00	0.234	0.000	0.0000
12/7/2018 2:15	0.234	0.000	0.0000
12/7/2018 2:30	0.234	0.000	0.0000
12/7/2018 2:45	0.233	0.000	0.0000
12/7/2018 3:00	0.233	0.000	0.0000
12/7/2018 3:15	0.232	0.000	0.0000
12/7/2018 3:30	0.233	0.000	0.0000
12/7/2018 3:45	0.232	0.000	0.0000
12/7/2018 4:00	0.232	0.000	0.0000
12/7/2018 4:15	0.231	0.000	0.0000
12/7/2018 4:30	0.23	0.000	0.0000
12/7/2018 4:45	0.23	0.000	0.0000
12/7/2018 5:00	0.23	0.000	0.0000
12/7/2018 5:15	0.23	0.000	0.0000

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/7/2018 5:30	0.229	0.000	0.0000
12/7/2018 5:45	0.228	0.000	0.0000
12/7/2018 6:00	0.228	0.000	0.0000
12/7/2018 6:15	0.228	0.000	0.0000
12/7/2018 6:30	0.228	0.000	0.0000
12/7/2018 6:45	0.227	0.000	0.0000
12/7/2018 7:00	0.227	0.000	0.0000
12/7/2018 7:15	0.227	0.000	0.0000
12/7/2018 7:30	0.227	0.000	0.0000
12/7/2018 7:45	0.226	0.000	0.0000
12/7/2018 8:00	0.225	0.000	0.0000
12/7/2018 8:15	0.225	0.000	0.0000
12/7/2018 8:30	0.225	0.000	0.0000
12/7/2018 8:45	0.225	0.000	0.0000
12/7/2018 9:00	0.225	0.000	0.0000
12/7/2018 9:15	0.225	0.000	0.0000
12/7/2018 9:30	0.225	0.000	0.0000
12/7/2018 9:45	0.224	0.000	0.0000
12/7/2018 10:00	0.225	0.000	0.0000
12/7/2018 10:15	0.225	0.000	0.0000
12/7/2018 10:30	0.226	0.000	0.0000
12/7/2018 10:45	0.225	0.000	0.0000
12/7/2018 11:00	0.226	0.000	0.0000
12/7/2018 11:15	0.227	0.000	0.0000
12/7/2018 11:30	0.227	0.000	0.0000
12/7/2018 11:45	0.23	0.000	0.0000
12/7/2018 12:00	0.23	0.000	0.0000
12/7/2018 12:15	0.229	0.000	0.0000
12/7/2018 12:30	0.229	0.000	0.0000
12/7/2018 12:45	0.23	0.000	0.0000
12/7/2018 13:00	0.23	0.000	0.0000
12/7/2018 13:15	0.229	0.000	0.0000
12/7/2018 13:30	0.229	0.000	0.0000
12/7/2018 13:45	0.228	0.000	0.0000
12/7/2018 14:00	0.228	0.000	0.0000
12/7/2018 14:15	0.227	0.000	0.0000
12/7/2018 14:30	0.226	0.000	0.0000
12/7/2018 14:45	0.225	0.000	0.0000
12/7/2018 15:00	0.224	0.000	0.0000
12/7/2018 15:15	0.224	0.000	0.0000
12/7/2018 15:30	0.224	0.000	0.0000
12/7/2018 15:45	0.223	0.000	0.0000
12/7/2018 16:00	0.222	0.000	0.0000
12/7/2018 16:15	0.221	0.000	0.0000
12/7/2018 16:30	0.22	0.000	0.0000
12/7/2018 16:45	0.22	0.000	0.0000
12/7/2018 17:00	0.219	0.000	0.0000
12/7/2018 17:15	0.219	0.000	0.0000
12/7/2018 17:30	0.219	0.000	0.0000
12/7/2018 17:45	0.218	0.000	0.0000
12/7/2018 18:00	0.217	0.000	0.0000

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/7/2018 18:15	0.216	0.000	0.0000
12/7/2018 18:30	0.215	0.000	0.0000
12/7/2018 18:45	0.215	0.000	0.0000
12/7/2018 19:00	0.214	0.000	0.0000
12/7/2018 19:15	0.214	0.000	0.0000
12/7/2018 19:30	0.215	0.000	0.0000
12/7/2018 19:45	0.214	0.000	0.0000
12/7/2018 20:00	0.214	0.000	0.0000
12/7/2018 20:15	0.213	0.000	0.0000
12/7/2018 20:30	0.212	0.000	0.0000
12/7/2018 20:45	0.212	0.000	0.0000
12/7/2018 21:00	0.213	0.000	0.0000
12/7/2018 21:15	0.212	0.000	0.0000
12/7/2018 21:30	0.213	0.000	0.0000
12/7/2018 21:45	0.212	0.000	0.0000
12/7/2018 22:00	0.212	0.000	0.0000
12/7/2018 22:15	0.212	0.000	0.0000
12/7/2018 22:30	0.212	0.000	0.0000
12/7/2018 22:45	0.212	0.000	0.0000
12/7/2018 23:00	0.211	0.000	0.0000
12/7/2018 23:15	0.21	0.000	0.0000
12/7/2018 23:30	0.21	0.000	0.0000
12/7/2018 23:45	0.21	0.000	0.0000
12/8/2018 0:00	0.21	0.000	0.0000
12/8/2018 0:15	0.21	0.000	0.0000
12/8/2018 0:30	0.21	0.000	0.0000
12/8/2018 0:45	0.21	0.000	0.0000
12/8/2018 1:00	0.21	0.000	0.0000
12/8/2018 1:15	0.209	0.000	0.0000
12/8/2018 1:30	0.209	0.000	0.0000
12/8/2018 1:45	0.209	0.000	0.0000
12/8/2018 2:00	0.208	0.000	0.0000
12/8/2018 2:15	0.209	0.000	0.0000
12/8/2018 2:30	0.207	0.000	0.0000
12/8/2018 2:45	0.208	0.000	0.0000
12/8/2018 3:00	0.207	0.000	0.0000
12/8/2018 3:15	0.207	0.000	0.0000
12/8/2018 3:30	0.207	0.000	0.0000
12/8/2018 3:45	0.207	0.000	0.0000
12/8/2018 4:00	0.206	0.000	0.0000
12/8/2018 4:15	0.206	0.000	0.0000
12/8/2018 4:30	0.205	0.000	0.0000
12/8/2018 4:45	0.205	0.000	0.0000
12/8/2018 5:00	0.205	0.000	0.0000
12/8/2018 5:15	0.204	0.000	0.0000
12/8/2018 5:30	0.204	0.000	0.0000
12/8/2018 5:45	0.203	0.000	0.0000
12/8/2018 6:00	0.203	0.000	0.0000
12/8/2018 6:15	0.203	0.000	0.0000
12/8/2018 6:30	0.203	0.000	0.0000
12/8/2018 6:45	0.203	0.000	0.0000

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/8/2018 7:00	0.203	0.000	0.0000
12/8/2018 7:15	0.203	0.000	0.0000
12/8/2018 7:30	0.203	0.000	0.0000
12/8/2018 7:45	0.202	0.000	0.0000
12/8/2018 8:00	0.202	0.000	0.0000
12/8/2018 8:15	0.202	0.000	0.0000
12/8/2018 8:30	0.201	0.000	0.0000
12/8/2018 8:45	0.201	0.000	0.0000
12/8/2018 9:00	0.201	0.000	0.0000
12/8/2018 9:15	0.2	0.000	0.0000
12/8/2018 9:30	0.2	0.000	0.0000
12/8/2018 9:45	0.2	0.000	0.0000
12/8/2018 10:00	0.2	0.000	0.0000
12/8/2018 10:15	0.2	0.000	0.0000
12/8/2018 10:30	0.2	0.000	0.0000
12/8/2018 10:45	0.2	0.000	0.0000
12/8/2018 11:00	0.2	0.000	0.0000
12/8/2018 11:15	0.2	0.000	0.0000
12/8/2018 11:30	0.2	0.000	0.0000
12/8/2018 11:45	0.199	0.000	0.0000
12/8/2018 12:00	0.199	0.000	0.0000
12/8/2018 12:15	0.2	0.000	0.0000
12/8/2018 12:30	0.199	0.000	0.0000
12/8/2018 12:45	0.199	0.000	0.0000
12/8/2018 13:00	0.201	0.000	0.0000
12/8/2018 13:15	0.201	0.000	0.0000
12/8/2018 13:30	0.202	0.000	0.0000
12/8/2018 13:45	0.203	0.000	0.0000
12/8/2018 14:00	0.203	0.000	0.0000
12/8/2018 14:15	0.204	0.000	0.0000
12/8/2018 14:30	0.204	0.000	0.0000
12/8/2018 14:45	0.204	0.000	0.0000
12/8/2018 15:00	0.203	0.000	0.0000
12/8/2018 15:15	0.202	0.000	0.0000
12/8/2018 15:30	0.201	0.000	0.0000
12/8/2018 15:45	0.201	0.000	0.0000
12/8/2018 16:00	0.2	0.000	0.0000
12/8/2018 16:15	0.198	0.000	0.0000
12/8/2018 16:30	0.198	0.000	0.0000
12/8/2018 16:45	0.197	0.000	0.0000
12/8/2018 17:00	0.195	0.000	0.0000
12/8/2018 17:15	0.195	0.000	0.0000
12/8/2018 17:30	0.194	0.000	0.0000
12/8/2018 17:45	0.193	0.000	0.0000
12/8/2018 18:00	0.192	0.000	0.0000
12/8/2018 18:15	0.192	0.000	0.0000
12/8/2018 18:30	0.191	0.000	0.0000
12/8/2018 18:45	0.19	0.000	0.0000
12/8/2018 19:00	0.19	0.000	0.0000
12/8/2018 19:15	0.189	0.000	0.0000
12/8/2018 19:30	0.189	0.000	0.0000

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/8/2018 19:45	0.188	0.000	0.0000
12/8/2018 20:00	0.188	0.000	0.0000
12/8/2018 20:15	0.187	0.000	0.0000
12/8/2018 20:30	0.188	0.000	0.0000
12/8/2018 20:45	0.188	0.000	0.0000
12/8/2018 21:00	0.188	0.000	0.0000
12/8/2018 21:15	0.187	0.000	0.0000
12/8/2018 21:30	0.187	0.000	0.0000
12/8/2018 21:45	0.187	0.000	0.0000
12/8/2018 22:00	0.187	0.000	0.0000
12/8/2018 22:15	0.188	0.000	0.0000
12/8/2018 22:30	0.188	0.000	0.0000
12/8/2018 22:45	0.188	0.000	0.0000
12/8/2018 23:00	0.188	0.000	0.0000
12/8/2018 23:15	0.187	0.000	0.0000
12/8/2018 23:30	0.187	0.000	0.0000
12/8/2018 23:45	0.187	0.000	0.0000
12/9/2018 0:00	0.187	0.000	0.0000
12/9/2018 0:15	0.186	0.000	0.0000
12/9/2018 0:30	0.185	0.000	0.0000
12/9/2018 0:45	0.185	0.000	0.0000
12/9/2018 1:00	0.185	0.000	0.0000
12/9/2018 1:15	0.185	0.000	0.0000
12/9/2018 1:30	0.185	0.000	0.0000
12/9/2018 1:45	0.184	0.000	0.0000
12/9/2018 2:00	0.184	0.000	0.0000
12/9/2018 2:15	0.183	0.000	0.0000
12/9/2018 2:30	0.184	0.000	0.0000
12/9/2018 2:45	0.184	0.000	0.0000
12/9/2018 3:00	0.184	0.000	0.0000
12/9/2018 3:15	0.183	0.000	0.0000
12/9/2018 3:30	0.183	0.000	0.0000
12/9/2018 3:45	0.184	0.000	0.0000
12/9/2018 4:00	0.182	0.000	0.0000
12/9/2018 4:15	0.183	0.000	0.0000
12/9/2018 4:30	0.182	0.000	0.0000
12/9/2018 4:45	0.182	0.000	0.0000
12/9/2018 5:00	0.182	0.000	0.0000
12/9/2018 5:15	0.182	0.000	0.0000
12/9/2018 5:30	0.182	0.000	0.0000
12/9/2018 5:45	0.182	0.000	0.0000
12/9/2018 6:00	0.182	0.000	0.0000
12/9/2018 6:15	0.182	0.000	0.0000
12/9/2018 6:30	0.181	0.000	0.0000
12/9/2018 6:45	0.181	0.000	0.0000
12/9/2018 7:00	0.181	0.000	0.0000
12/9/2018 7:15	0.18	0.000	0.0000
12/9/2018 7:30	0.18	0.000	0.0000
12/9/2018 7:45	0.179	0.000	0.0000
12/9/2018 8:00	0.179	0.000	0.0000
12/9/2018 8:15	0.178	0.000	0.0000

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/9/2018 8:30	0.179	0.000	0.0000
12/9/2018 8:45	0.179	0.000	0.0000
12/9/2018 9:00	0.179	0.000	0.0000
12/9/2018 9:15	0.178	0.000	0.0000
12/9/2018 9:30	0.179	0.000	0.0000
12/9/2018 9:45	0.179	0.000	0.0000
12/9/2018 10:00	0.178	0.000	0.0000
12/9/2018 10:15	0.179	0.000	0.0000
12/9/2018 10:30	0.178	0.000	0.0000
12/9/2018 10:45	0.178	0.000	0.0000
12/9/2018 11:00	0.178	0.000	0.0000
12/9/2018 11:15	0.178	0.000	0.0000
12/9/2018 11:30	0.178	0.000	0.0000
12/9/2018 11:45	0.178	0.000	0.0000
12/9/2018 12:00	0.178	0.000	0.0000
12/9/2018 12:15	0.177	0.000	0.0000
12/9/2018 12:30	0.178	0.000	0.0000
12/9/2018 12:45	0.179	0.000	0.0000
12/9/2018 13:00	0.18	0.000	0.0000
12/9/2018 13:15	0.181	0.000	0.0000
12/9/2018 13:30	0.182	0.000	0.0000
12/9/2018 13:45	0.183	0.000	0.0000
12/9/2018 14:00	0.184	0.000	0.0000
12/9/2018 14:15	0.186	0.000	0.0000
12/9/2018 14:30	0.186	0.000	0.0000
12/9/2018 14:45	0.188	0.000	0.0000
12/9/2018 15:00	0.19	0.000	0.0000
12/9/2018 15:15	0.191	0.000	0.0000
12/9/2018 15:30	0.193	0.000	0.0000
12/9/2018 15:45	0.194	0.000	0.0000
12/9/2018 16:00	0.196	0.000	0.0000
12/9/2018 16:15	0.198	0.000	0.0000
12/9/2018 16:30	0.2	0.000	0.0000
12/9/2018 16:45	0.201	0.000	0.0000
12/9/2018 17:00	0.202	0.000	0.0000
12/9/2018 17:15	0.204	0.000	0.0000
12/9/2018 17:30	0.205	0.000	0.0000
12/9/2018 17:45	0.207	0.000	0.0000
12/9/2018 18:00	0.21	0.000	0.0000
12/9/2018 18:15	0.214	0.000	0.0000
12/9/2018 18:30	0.217	0.000	0.0000
12/9/2018 18:45	0.22	0.000	0.0000
12/9/2018 19:00	0.222	0.000	0.0000
12/9/2018 19:15	0.225	0.000	0.0000
12/9/2018 19:30	0.227	0.000	0.0000
12/9/2018 19:45	0.23	0.000	0.0000
12/9/2018 20:00	0.233	0.000	0.0000
12/9/2018 20:15	0.236	0.000	0.0000
12/9/2018 20:30	0.239	0.000	0.0000
12/9/2018 20:45	0.241	0.000	0.0000
12/9/2018 21:00	0.243	0.000	0.0000

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/9/2018 21:15	0.245	0.000	0.0000
12/9/2018 21:30	0.247	0.000	0.0000
12/9/2018 21:45	0.249	0.000	0.0000
12/9/2018 22:00	0.251	0.000	0.0000
12/9/2018 22:15	0.252	0.000	0.0000
12/9/2018 22:30	0.254	0.000	0.0000
12/9/2018 22:45	0.254	0.000	0.0000
12/9/2018 23:00	0.256	0.000	0.0000
12/9/2018 23:15	0.257	0.000	0.0000
12/9/2018 23:30	0.259	0.000	0.0000
12/9/2018 23:45	0.26	0.000	0.0000
12/10/2018 0:00	0.26	0.000	0.0000
12/10/2018 0:15	0.261	0.000	0.0000
12/10/2018 0:30	0.262	0.000	0.0000
12/10/2018 0:45	0.263	0.000	0.0000
12/10/2018 1:00	0.265	0.000	0.0000
12/10/2018 1:15	0.265	0.000	0.0000
12/10/2018 1:30	0.266	0.000	0.0000
12/10/2018 1:45	0.267	0.000	0.0000
12/10/2018 2:00	0.268	0.000	0.0000
12/10/2018 2:15	0.269	0.000	0.0000
12/10/2018 2:30	0.27	0.000	0.0000
12/10/2018 2:45	0.27	0.000	0.0000
12/10/2018 3:00	0.271	0.000	0.0000
12/10/2018 3:15	0.272	0.000	0.0000
12/10/2018 3:30	0.272	0.000	0.0000
12/10/2018 3:45	0.273	0.000	0.0000
12/10/2018 4:00	0.274	0.000	0.0000
12/10/2018 4:15	0.274	0.000	0.0000
12/10/2018 4:30	0.275	0.000	0.0000
12/10/2018 4:45	0.275	0.000	0.0000
12/10/2018 5:00	0.275	0.000	0.0000
12/10/2018 5:15	0.276	0.000	0.0000
12/10/2018 5:30	0.277	0.000	0.0000
12/10/2018 5:45	0.277	0.000	0.0000
12/10/2018 6:00	0.277	0.000	0.0000
12/10/2018 6:15	0.277	0.000	0.0000
12/10/2018 6:30	0.277	0.000	0.0000
12/10/2018 6:45	0.277	0.000	0.0000
12/10/2018 7:00	0.278	0.000	0.0000
12/10/2018 7:15	0.279	0.000	0.0000
12/10/2018 7:30	0.279	0.000	0.0000
12/10/2018 7:45	0.279	0.000	0.0000
12/10/2018 8:00	0.279	0.000	0.0000
12/10/2018 8:15	0.279	0.000	0.0000
12/10/2018 8:30	0.279	0.000	0.0000
12/10/2018 8:45	0.279	0.000	0.0000
12/10/2018 9:00	0.28	0.000	0.0000
12/10/2018 9:15	0.28	0.000	0.0000
12/10/2018 9:30	0.28	0.000	0.0000
12/10/2018 9:45	0.281	0.000	0.0000

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/10/2018 10:00	0.281	0.000	0.0000
12/10/2018 10:15	0.281	0.000	0.0000
12/10/2018 10:30	0.282	0.000	0.0000
12/10/2018 10:45	0.282	0.000	0.0000
12/10/2018 11:00	0.282	0.000	0.0000
12/10/2018 11:15	0.283	0.000	0.0000
12/10/2018 11:30	0.284	0.000	0.0000
12/10/2018 11:45	0.284	0.000	0.0000
12/10/2018 12:00	0.285	0.000	0.0000
12/10/2018 12:15	0.285	0.000	0.0000
12/10/2018 12:30	0.285	0.000	0.0000
12/10/2018 12:45	0.285	0.000	0.0000
12/10/2018 13:00	0.286	0.000	0.0000
12/10/2018 13:15	0.287	0.000	0.0000
12/10/2018 13:30	0.287	0.000	0.0000
12/10/2018 13:45	0.287	0.000	0.0000
12/10/2018 14:00	0.287	0.000	0.0000
12/10/2018 14:15	0.287	0.000	0.0000
12/10/2018 14:30	0.287	0.000	0.0000
12/10/2018 14:45	0.287	0.000	0.0000
12/10/2018 15:00	0.287	0.000	0.0000
12/10/2018 15:15	0.287	0.000	0.0000
12/10/2018 15:30	0.287	0.000	0.0000
12/10/2018 15:45	0.287	0.000	0.0000
12/10/2018 16:00	0.287	0.000	0.0000
12/10/2018 16:15	0.288	0.000	0.0000
12/10/2018 16:30	0.289	0.000	0.0000
12/10/2018 16:45	0.289	0.000	0.0000
12/10/2018 17:00	0.289	0.000	0.0000
12/10/2018 17:15	0.29	0.000	0.0000
12/10/2018 17:30	0.291	0.000	0.0000
12/10/2018 17:45	0.292	0.000	0.0000
12/10/2018 18:00	0.294	0.000	0.0000
12/10/2018 18:15	0.295	0.000	0.0000
12/10/2018 18:30	0.296	0.000	0.0000
12/10/2018 18:45	0.298	0.000	0.0000
12/10/2018 19:00	0.299	0.000	0.0000
12/10/2018 19:15	0.301	0.000	0.0000
12/10/2018 19:30	0.302	0.000	0.0000
12/10/2018 19:45	0.304	0.000	0.0000
12/10/2018 20:00	0.306	0.000	0.0000
12/10/2018 20:15	0.307	0.000	0.0000
12/10/2018 20:30	0.309	0.002	0.0004
12/10/2018 20:45	0.311	0.004	0.0003
12/10/2018 21:00	0.313	0.006	0.0003
12/10/2018 21:15	0.315	0.008	0.0002
12/10/2018 21:30	0.316	0.009	0.0002
12/10/2018 21:45	0.318	0.011	0.0001
12/10/2018 22:00	0.32	0.013	0.0001
12/10/2018 22:15	0.321	0.014	0.0001
12/10/2018 22:30	0.323	0.016	0.0001

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/10/2018 22:45	0.324	0.017	0.0001
12/10/2018 23:00	0.325	0.018	0.0001
12/10/2018 23:15	0.326	0.019	0.0001
12/10/2018 23:30	0.328	0.021	0.0001
12/10/2018 23:45	0.329	0.022	0.0001
12/11/2018 0:00	0.33	0.023	0.0001
12/11/2018 0:15	0.331	0.024	0.0002
12/11/2018 0:30	0.332	0.025	0.0002
12/11/2018 0:45	0.334	0.027	0.0002
12/11/2018 1:00	0.336	0.029	0.0003
12/11/2018 1:15	0.337	0.030	0.0004
12/11/2018 1:30	0.338	0.031	0.0004
12/11/2018 1:45	0.339	0.032	0.0004
12/11/2018 2:00	0.341	0.034	0.0005
12/11/2018 2:15	0.342	0.035	0.0006
12/11/2018 2:30	0.343	0.036	0.0006
12/11/2018 2:45	0.345	0.038	0.0007
12/11/2018 3:00	0.347	0.040	0.0009
12/11/2018 3:15	0.346	0.039	0.0008
12/11/2018 3:30	0.347	0.040	0.0009
12/11/2018 3:45	0.348	0.041	0.0009
12/11/2018 4:00	0.349	0.042	0.0010
12/11/2018 4:15	0.349	0.042	0.0010
12/11/2018 4:30	0.35	0.043	0.0011
12/11/2018 4:45	0.351	0.044	0.0012
12/11/2018 5:00	0.353	0.046	0.0013
12/11/2018 5:15	0.354	0.047	0.0014
12/11/2018 5:30	0.355	0.048	0.0015
12/11/2018 5:45	0.355	0.048	0.0015
12/11/2018 6:00	0.356	0.049	0.0016
12/11/2018 6:15	0.357	0.050	0.0016
12/11/2018 6:30	0.357	0.050	0.0016
12/11/2018 6:45	0.357	0.050	0.0016
12/11/2018 7:00	0.358	0.051	0.0017
12/11/2018 7:15	0.358	0.051	0.0017
12/11/2018 7:30	0.358	0.051	0.0017
12/11/2018 7:45	0.359	0.052	0.0018
12/11/2018 8:00	0.36	0.053	0.0019
12/11/2018 8:15	0.359	0.052	0.0018
12/11/2018 8:30	0.361	0.054	0.0020
12/11/2018 8:45	0.36	0.053	0.0019
12/11/2018 9:00	0.36	0.053	0.0019
12/11/2018 9:15	0.36	0.053	0.0019
12/11/2018 9:30	0.359	0.052	0.0018
12/11/2018 9:45	0.36	0.053	0.0019
12/11/2018 10:00	0.359	0.052	0.0018
12/11/2018 10:15	0.358	0.051	0.0017
12/11/2018 10:30	0.358	0.051	0.0017
12/11/2018 10:45	0.358	0.051	0.0017
12/11/2018 11:00	0.358	0.051	0.0017
12/11/2018 11:15	0.359	0.052	0.0018

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/11/2018 11:30	0.359	0.052	0.0018
12/11/2018 11:45	0.36	0.053	0.0019
12/11/2018 12:00	0.36	0.053	0.0019
12/11/2018 12:15	0.359	0.052	0.0018
12/11/2018 12:30	0.359	0.052	0.0018
12/11/2018 12:45	0.358	0.051	0.0017
12/11/2018 13:00	0.358	0.051	0.0017
12/11/2018 13:15	0.358	0.051	0.0017
12/11/2018 13:30	0.358	0.051	0.0017
12/11/2018 13:45	0.358	0.051	0.0017
12/11/2018 14:00	0.356	0.049	0.0016
12/11/2018 14:15	0.356	0.049	0.0016
12/11/2018 14:30	0.358	0.051	0.0017
12/11/2018 14:45	0.36	0.053	0.0019
12/11/2018 15:00	0.36	0.053	0.0019
12/11/2018 15:15	0.362	0.055	0.0021
12/11/2018 15:30	0.365	0.058	0.0024
12/11/2018 15:45	0.37	0.063	0.0030
12/11/2018 16:00	0.378	0.071	0.0040
12/11/2018 16:15	0.385	0.078	0.0050
12/11/2018 16:30	0.391	0.084	0.0059
12/11/2018 16:45	0.394	0.087	0.0064
12/11/2018 17:00	0.396	0.089	0.0067
12/11/2018 17:15	0.396	0.089	0.0067
12/11/2018 17:30	0.397	0.090	0.0088
12/11/2018 17:45	0.401	0.094	0.0117
12/11/2018 18:00	0.406	0.099	0.0154
12/11/2018 18:15	0.409	0.102	0.0177
12/11/2018 18:30	0.411	0.104	0.0192
12/11/2018 18:45	0.412	0.105	0.0200
12/11/2018 19:00	0.413	0.106	0.0208
12/11/2018 19:15	0.418	0.111	0.0248
12/11/2018 19:30	0.422	0.115	0.0281
12/11/2018 19:45	0.424	0.117	0.0298
12/11/2018 20:00	0.423	0.116	0.0289
12/11/2018 20:15	0.421	0.114	0.0273
12/11/2018 20:30	0.419	0.112	0.0256
12/11/2018 20:45	0.418	0.111	0.0248
12/11/2018 21:00	0.417	0.110	0.0240
12/11/2018 21:15	0.417	0.110	0.0240
12/11/2018 21:30	0.417	0.110	0.0240
12/11/2018 21:45	0.417	0.110	0.0240
12/11/2018 22:00	0.416	0.109	0.0232
12/11/2018 22:15	0.415	0.108	0.0224
12/11/2018 22:30	0.413	0.106	0.0208
12/11/2018 22:45	0.412	0.105	0.0200
12/11/2018 23:00	0.41	0.103	0.0185
12/11/2018 23:15	0.409	0.102	0.0177
12/11/2018 23:30	0.407	0.100	0.0162
12/11/2018 23:45	0.406	0.099	0.0154
12/12/2018 0:00	0.406	0.099	0.0154

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/12/2018 0:15	0.405	0.098	0.0147
12/12/2018 0:30	0.404	0.097	0.0139
12/12/2018 0:45	0.404	0.097	0.0139
12/12/2018 1:00	0.403	0.096	0.0132
12/12/2018 1:15	0.402	0.095	0.0124
12/12/2018 1:30	0.402	0.095	0.0124
12/12/2018 1:45	0.401	0.094	0.0117
12/12/2018 2:00	0.401	0.094	0.0117
12/12/2018 2:15	0.401	0.094	0.0117
12/12/2018 2:30	0.399	0.092	0.0102
12/12/2018 2:45	0.399	0.092	0.0102
12/12/2018 3:00	0.398	0.091	0.0095
12/12/2018 3:15	0.396	0.089	0.0067
12/12/2018 3:30	0.396	0.089	0.0067
12/12/2018 3:45	0.395	0.088	0.0066
12/12/2018 4:00	0.394	0.087	0.0064
12/12/2018 4:15	0.393	0.086	0.0062
12/12/2018 4:30	0.393	0.086	0.0062
12/12/2018 4:45	0.392	0.085	0.0061
12/12/2018 5:00	0.391	0.084	0.0059
12/12/2018 5:15	0.391	0.084	0.0059
12/12/2018 5:30	0.39	0.083	0.0058
12/12/2018 5:45	0.39	0.083	0.0058
12/12/2018 6:00	0.389	0.082	0.0056
12/12/2018 6:15	0.389	0.082	0.0056
12/12/2018 6:30	0.388	0.081	0.0055
12/12/2018 6:45	0.387	0.080	0.0053
12/12/2018 7:00	0.387	0.080	0.0053
12/12/2018 7:15	0.386	0.079	0.0052
12/12/2018 7:30	0.386	0.079	0.0052
12/12/2018 7:45	0.386	0.079	0.0052
12/12/2018 8:00	0.386	0.079	0.0052
12/12/2018 8:15	0.386	0.079	0.0052
12/12/2018 8:30	0.386	0.079	0.0052
12/12/2018 8:45	0.386	0.079	0.0052
12/12/2018 9:00	0.386	0.079	0.0052
12/12/2018 9:15	0.386	0.079	0.0052
12/12/2018 9:30	0.386	0.079	0.0052
12/12/2018 9:45	0.388	0.081	0.0055
12/12/2018 10:00	0.387	0.080	0.0053
12/12/2018 10:15	0.387	0.080	0.0053
12/12/2018 10:30	0.387	0.080	0.0053
12/12/2018 10:45	0.388	0.081	0.0055
12/12/2018 11:00	0.388	0.081	0.0055
12/12/2018 11:15	0.389	0.082	0.0056
12/12/2018 11:30	0.388	0.081	0.0055
12/12/2018 11:45	0.388	0.081	0.0055
12/12/2018 12:00	0.388	0.081	0.0055
12/12/2018 12:15	0.389	0.082	0.0056
12/12/2018 12:30	0.388	0.081	0.0055
12/12/2018 12:45	0.387	0.080	0.0053

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/12/2018 13:00	0.387	0.080	0.0053
12/12/2018 13:15	0.387	0.080	0.0053
12/12/2018 13:30	0.387	0.080	0.0053
12/12/2018 13:45	0.387	0.080	0.0053
12/12/2018 14:00	0.388	0.081	0.0055
12/12/2018 14:15	0.387	0.080	0.0053
12/12/2018 14:30	0.387	0.080	0.0053
12/12/2018 14:45	0.387	0.080	0.0053
12/12/2018 15:00	0.387	0.080	0.0053
12/12/2018 15:15	0.386	0.079	0.0052
12/12/2018 15:30	0.386	0.079	0.0052
12/12/2018 15:45	0.385	0.078	0.0050
12/12/2018 16:00	0.385	0.078	0.0050
12/12/2018 16:15	0.384	0.077	0.0049
12/12/2018 16:30	0.384	0.077	0.0049
12/12/2018 16:45	0.383	0.076	0.0047
12/12/2018 17:00	0.384	0.077	0.0049
12/12/2018 17:15	0.384	0.077	0.0049
12/12/2018 17:30	0.383	0.076	0.0047
12/12/2018 17:45	0.383	0.076	0.0047
12/12/2018 18:00	0.383	0.076	0.0047
12/12/2018 18:15	0.383	0.076	0.0047
12/12/2018 18:30	0.383	0.076	0.0047
12/12/2018 18:45	0.383	0.076	0.0047
12/12/2018 19:00	0.383	0.076	0.0047
12/12/2018 19:15	0.382	0.075	0.0046
12/12/2018 19:30	0.382	0.075	0.0046
12/12/2018 19:45	0.381	0.074	0.0044
12/12/2018 20:00	0.381	0.074	0.0044
12/12/2018 20:15	0.381	0.074	0.0044
12/12/2018 20:30	0.381	0.074	0.0044
12/12/2018 20:45	0.38	0.073	0.0043
12/12/2018 21:00	0.381	0.074	0.0044
12/12/2018 21:15	0.381	0.074	0.0044
12/12/2018 21:30	0.381	0.074	0.0044
12/12/2018 21:45	0.381	0.074	0.0044
12/12/2018 22:00	0.381	0.074	0.0044
12/12/2018 22:15	0.381	0.074	0.0044
12/12/2018 22:30	0.382	0.075	0.0046
12/12/2018 22:45	0.381	0.074	0.0044
12/12/2018 23:00	0.382	0.075	0.0046
12/12/2018 23:15	0.381	0.074	0.0044
12/12/2018 23:30	0.38	0.073	0.0043
12/12/2018 23:45	0.381	0.074	0.0044
12/13/2018 0:00	0.381	0.074	0.0044
12/13/2018 0:15	0.381	0.074	0.0044
12/13/2018 0:30	0.379	0.072	0.0042
12/13/2018 0:45	0.38	0.073	0.0043
12/13/2018 1:00	0.379	0.072	0.0042
12/13/2018 1:15	0.379	0.072	0.0042
12/13/2018 1:30	0.378	0.071	0.0040

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/13/2018 1:45	0.378	0.071	0.0040
12/13/2018 2:00	0.378	0.071	0.0040
12/13/2018 2:15	0.378	0.071	0.0040
12/13/2018 2:30	0.378	0.071	0.0040
12/13/2018 2:45	0.378	0.071	0.0040
12/13/2018 3:00	0.378	0.071	0.0040
12/13/2018 3:15	0.377	0.070	0.0039
12/13/2018 3:30	0.377	0.070	0.0039
12/13/2018 3:45	0.376	0.069	0.0038
12/13/2018 4:00	0.376	0.069	0.0038
12/13/2018 4:15	0.376	0.069	0.0038
12/13/2018 4:30	0.376	0.069	0.0038
12/13/2018 4:45	0.376	0.069	0.0038
12/13/2018 5:00	0.376	0.069	0.0038
12/13/2018 5:15	0.376	0.069	0.0038
12/13/2018 5:30	0.375	0.068	0.0036
12/13/2018 5:45	0.374	0.067	0.0035
12/13/2018 6:00	0.374	0.067	0.0035
12/13/2018 6:15	0.373	0.066	0.0034
12/13/2018 6:30	0.373	0.066	0.0034
12/13/2018 6:45	0.372	0.065	0.0032
12/13/2018 7:00	0.373	0.066	0.0034
12/13/2018 7:15	0.373	0.066	0.0034
12/13/2018 7:30	0.373	0.066	0.0034
12/13/2018 7:45	0.373	0.066	0.0034
12/13/2018 8:00	0.373	0.066	0.0034
12/13/2018 8:15	0.371	0.064	0.0031
12/13/2018 8:30	0.371	0.064	0.0031
12/13/2018 8:45	0.373	0.066	0.0034
12/13/2018 9:00	0.374	0.067	0.0035
12/13/2018 9:15	0.375	0.068	0.0036
12/13/2018 9:30	0.375	0.068	0.0036
12/13/2018 9:45	0.375	0.068	0.0036
12/13/2018 10:00	0.375	0.068	0.0036
12/13/2018 10:15	0.376	0.069	0.0038
12/13/2018 10:30	0.375	0.068	0.0036
12/13/2018 10:45	0.375	0.068	0.0036
12/13/2018 11:00	0.376	0.069	0.0038
12/13/2018 11:15	0.376	0.069	0.0038
12/13/2018 11:30	0.376	0.069	0.0038
12/13/2018 11:45	0.377	0.070	0.0039
12/13/2018 12:00	0.376	0.069	0.0038
12/13/2018 12:15	0.376	0.069	0.0038
12/13/2018 12:30	0.376	0.069	0.0038
12/13/2018 12:45	0.376	0.069	0.0038
12/13/2018 13:00	0.377	0.070	0.0039
12/13/2018 13:15	0.377	0.070	0.0039
12/13/2018 13:30	0.377	0.070	0.0039
12/13/2018 13:45	0.377	0.070	0.0039
12/13/2018 14:00	0.377	0.070	0.0039
12/13/2018 14:15	0.377	0.070	0.0039

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/13/2018 14:30	0.376	0.069	0.0038
12/13/2018 14:45	0.374	0.067	0.0035
12/13/2018 15:00	0.374	0.067	0.0035
12/13/2018 15:15	0.373	0.066	0.0034
12/13/2018 15:30	0.372	0.065	0.0032
12/13/2018 15:45	0.371	0.064	0.0031
12/13/2018 16:00	0.371	0.064	0.0031
12/13/2018 16:15	0.369	0.062	0.0029
12/13/2018 16:30	0.369	0.062	0.0029
12/13/2018 16:45	0.368	0.061	0.0028
12/13/2018 17:00	0.367	0.060	0.0027
12/13/2018 17:15	0.366	0.059	0.0025
12/13/2018 17:30	0.366	0.059	0.0025
12/13/2018 17:45	0.365	0.058	0.0024
12/13/2018 18:00	0.364	0.057	0.0023
12/13/2018 18:15	0.364	0.057	0.0023
12/13/2018 18:30	0.363	0.056	0.0022
12/13/2018 18:45	0.363	0.056	0.0022
12/13/2018 19:00	0.362	0.055	0.0021
12/13/2018 19:15	0.362	0.055	0.0021
12/13/2018 19:30	0.361	0.054	0.0020
12/13/2018 19:45	0.362	0.055	0.0021
12/13/2018 20:00	0.363	0.056	0.0022
12/13/2018 20:15	0.361	0.054	0.0020
12/13/2018 20:30	0.361	0.054	0.0020
12/13/2018 20:45	0.361	0.054	0.0020
12/13/2018 21:00	0.359	0.052	0.0018
12/13/2018 21:15	0.359	0.052	0.0018
12/13/2018 21:30	0.359	0.052	0.0018
12/13/2018 21:45	0.359	0.052	0.0018
12/13/2018 22:00	0.359	0.052	0.0018
12/13/2018 22:15	0.359	0.052	0.0018
12/13/2018 22:30	0.359	0.052	0.0018
12/13/2018 22:45	0.359	0.052	0.0018
12/13/2018 23:00	0.359	0.052	0.0018
12/13/2018 23:15	0.359	0.052	0.0018
12/13/2018 23:30	0.358	0.051	0.0017
12/13/2018 23:45	0.358	0.051	0.0017
12/14/2018 0:00	0.358	0.051	0.0017
12/14/2018 0:15	0.358	0.051	0.0017
12/14/2018 0:30	0.358	0.051	0.0017
12/14/2018 0:45	0.358	0.051	0.0017
12/14/2018 1:00	0.358	0.051	0.0017
12/14/2018 1:15	0.358	0.051	0.0017
12/14/2018 1:30	0.357	0.050	0.0016
12/14/2018 1:45	0.357	0.050	0.0016
12/14/2018 2:00	0.356	0.049	0.0016
12/14/2018 2:15	0.356	0.049	0.0016
12/14/2018 2:30	0.356	0.049	0.0016
12/14/2018 2:45	0.356	0.049	0.0016
12/14/2018 3:00	0.356	0.049	0.0016

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/14/2018 3:15	0.356	0.049	0.0016
12/14/2018 3:30	0.356	0.049	0.0016
12/14/2018 3:45	0.356	0.049	0.0016
12/14/2018 4:00	0.356	0.049	0.0016
12/14/2018 4:15	0.356	0.049	0.0016
12/14/2018 4:30	0.355	0.048	0.0015
12/14/2018 4:45	0.355	0.048	0.0015
12/14/2018 5:00	0.354	0.047	0.0014
12/14/2018 5:15	0.354	0.047	0.0014
12/14/2018 5:30	0.354	0.047	0.0014
12/14/2018 5:45	0.354	0.047	0.0014
12/14/2018 6:00	0.354	0.047	0.0014
12/14/2018 6:15	0.354	0.047	0.0014
12/14/2018 6:30	0.354	0.047	0.0014
12/14/2018 6:45	0.354	0.047	0.0014
12/14/2018 7:00	0.354	0.047	0.0014
12/14/2018 7:15	0.354	0.047	0.0014
12/14/2018 7:30	0.354	0.047	0.0014
12/14/2018 7:45	0.354	0.047	0.0014
12/14/2018 8:00	0.354	0.047	0.0014
12/14/2018 8:15	0.354	0.047	0.0014
12/14/2018 8:30	0.354	0.047	0.0014
12/14/2018 8:45	0.354	0.047	0.0014
12/14/2018 9:00	0.353	0.046	0.0013
12/14/2018 9:15	0.354	0.047	0.0014
12/14/2018 9:30	0.355	0.048	0.0015
12/14/2018 9:45	0.357	0.050	0.0016
12/14/2018 10:00	0.357	0.050	0.0016
12/14/2018 10:15	0.356	0.049	0.0016
12/14/2018 10:30	0.356	0.049	0.0016
12/14/2018 10:45	0.356	0.049	0.0016
12/14/2018 11:00	0.356	0.049	0.0016
12/14/2018 11:15	0.357	0.050	0.0016
12/14/2018 11:30	0.358	0.051	0.0017
12/14/2018 11:45	0.358	0.051	0.0017
12/14/2018 12:00	0.359	0.052	0.0018
12/14/2018 12:15	0.361	0.054	0.0020
12/14/2018 12:30	0.362	0.055	0.0021
12/14/2018 12:45	0.361	0.054	0.0020
12/14/2018 13:00	0.36	0.053	0.0019
12/14/2018 13:15	0.359	0.052	0.0018
12/14/2018 13:30	0.359	0.052	0.0018
12/14/2018 13:45	0.359	0.052	0.0018
12/14/2018 14:00	0.359	0.052	0.0018
12/14/2018 14:15	0.357	0.050	0.0016
12/14/2018 14:30	0.358	0.051	0.0017
12/14/2018 14:45	0.359	0.052	0.0018
12/14/2018 15:00	0.356	0.049	0.0016
12/14/2018 15:15	0.356	0.049	0.0016
12/14/2018 15:30	0.357	0.050	0.0016
12/14/2018 15:45	0.355	0.048	0.0015

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/14/2018 16:00	0.353	0.046	0.0013
12/14/2018 16:15	0.353	0.046	0.0013
12/14/2018 16:30	0.351	0.044	0.0012
12/14/2018 16:45	0.35	0.043	0.0011
12/14/2018 17:00	0.35	0.043	0.0011
12/14/2018 17:15	0.35	0.043	0.0011
12/14/2018 17:30	0.349	0.042	0.0010
12/14/2018 17:45	0.348	0.041	0.0009
12/14/2018 18:00	0.349	0.042	0.0010
12/14/2018 18:15	0.349	0.042	0.0010
12/14/2018 18:30	0.349	0.042	0.0010
12/14/2018 18:45	0.35	0.043	0.0011
12/14/2018 19:00	0.35	0.043	0.0011
12/14/2018 19:15	0.351	0.044	0.0012
12/14/2018 19:30	0.351	0.044	0.0012
12/14/2018 19:45	0.352	0.045	0.0012
12/14/2018 20:00	0.353	0.046	0.0013
12/14/2018 20:15	0.354	0.047	0.0014
12/14/2018 20:30	0.354	0.047	0.0014
12/14/2018 20:45	0.354	0.047	0.0014
12/14/2018 21:00	0.356	0.049	0.0016
12/14/2018 21:15	0.357	0.050	0.0016
12/14/2018 21:30	0.356	0.049	0.0016
12/14/2018 21:45	0.357	0.050	0.0016
12/14/2018 22:00	0.358	0.051	0.0017
12/14/2018 22:15	0.358	0.051	0.0017
12/14/2018 22:30	0.358	0.051	0.0017
12/14/2018 22:45	0.359	0.052	0.0018
12/14/2018 23:00	0.359	0.052	0.0018
12/14/2018 23:15	0.359	0.052	0.0018
12/14/2018 23:30	0.359	0.052	0.0018
12/14/2018 23:45	0.359	0.052	0.0018
12/15/2018 0:00	0.359	0.052	0.0018
12/15/2018 0:15	0.359	0.052	0.0018
12/15/2018 0:30	0.362	0.055	0.0021
12/15/2018 0:45	0.363	0.056	0.0022
12/15/2018 1:00	0.363	0.056	0.0022
12/15/2018 1:15	0.363	0.056	0.0022
12/15/2018 1:30	0.364	0.057	0.0023
12/15/2018 1:45	0.364	0.057	0.0023
12/15/2018 2:00	0.364	0.057	0.0023
12/15/2018 2:15	0.365	0.058	0.0024
12/15/2018 2:30	0.365	0.058	0.0024
12/15/2018 2:45	0.365	0.058	0.0024
12/15/2018 3:00	0.365	0.058	0.0024
12/15/2018 3:15	0.365	0.058	0.0024
12/15/2018 3:30	0.366	0.059	0.0025
12/15/2018 3:45	0.366	0.059	0.0025
12/15/2018 4:00	0.366	0.059	0.0025
12/15/2018 4:15	0.365	0.058	0.0024
12/15/2018 4:30	0.366	0.059	0.0025

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/15/2018 4:45	0.366	0.059	0.0025
12/15/2018 5:00	0.366	0.059	0.0025
12/15/2018 5:15	0.366	0.059	0.0025
12/15/2018 5:30	0.366	0.059	0.0025
12/15/2018 5:45	0.365	0.058	0.0024
12/15/2018 6:00	0.367	0.060	0.0027
12/15/2018 6:15	0.368	0.061	0.0028
12/15/2018 6:30	0.368	0.061	0.0028
12/15/2018 6:45	0.367	0.060	0.0027
12/15/2018 7:00	0.367	0.060	0.0027
12/15/2018 7:15	0.367	0.060	0.0027
12/15/2018 7:30	0.366	0.059	0.0025
12/15/2018 7:45	0.366	0.059	0.0025
12/15/2018 8:00	0.366	0.059	0.0025
12/15/2018 8:15	0.366	0.059	0.0025
12/15/2018 8:30	0.366	0.059	0.0025
12/15/2018 8:45	0.366	0.059	0.0025
12/15/2018 9:00	0.367	0.060	0.0027
12/15/2018 9:15	0.368	0.061	0.0028
12/15/2018 9:30	0.369	0.062	0.0029
12/15/2018 9:45	0.369	0.062	0.0029
12/15/2018 10:00	0.369	0.062	0.0029
12/15/2018 10:15	0.371	0.064	0.0031
12/15/2018 10:30	0.371	0.064	0.0031
12/15/2018 10:45	0.371	0.064	0.0031
12/15/2018 11:00	0.371	0.064	0.0031
12/15/2018 11:15	0.372	0.065	0.0032
12/15/2018 11:30	0.372	0.065	0.0032
12/15/2018 11:45	0.373	0.066	0.0034
12/15/2018 12:00	0.372	0.065	0.0032
12/15/2018 12:15	0.373	0.066	0.0034
12/15/2018 12:30	0.373	0.066	0.0034
12/15/2018 12:45	0.373	0.066	0.0034
12/15/2018 13:00	0.373	0.066	0.0034
12/15/2018 13:15	0.373	0.066	0.0034
12/15/2018 13:30	0.373	0.066	0.0034
12/15/2018 13:45	0.373	0.066	0.0034
12/15/2018 14:00	0.373	0.066	0.0034
12/15/2018 14:15	0.371	0.064	0.0031
12/15/2018 14:30	0.371	0.064	0.0031
12/15/2018 14:45	0.37	0.063	0.0030
12/15/2018 15:00	0.369	0.062	0.0029
12/15/2018 15:15	0.369	0.062	0.0029
12/15/2018 15:30	0.369	0.062	0.0029
12/15/2018 15:45	0.368	0.061	0.0028
12/15/2018 16:00	0.368	0.061	0.0028
12/15/2018 16:15	0.367	0.060	0.0027
12/15/2018 16:30	0.367	0.060	0.0027
12/15/2018 16:45	0.367	0.060	0.0027
12/15/2018 17:00	0.367	0.060	0.0027
12/15/2018 17:15	0.366	0.059	0.0025

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/15/2018 17:30	0.366	0.059	0.0025
12/15/2018 17:45	0.366	0.059	0.0025
12/15/2018 18:00	0.365	0.058	0.0024
12/15/2018 18:15	0.365	0.058	0.0024
12/15/2018 18:30	0.364	0.057	0.0023
12/15/2018 18:45	0.365	0.058	0.0024
12/15/2018 19:00	0.366	0.059	0.0025
12/15/2018 19:15	0.366	0.059	0.0025
12/15/2018 19:30	0.366	0.059	0.0025
12/15/2018 19:45	0.365	0.058	0.0024
12/15/2018 20:00	0.364	0.057	0.0023
12/15/2018 20:15	0.364	0.057	0.0023
12/15/2018 20:30	0.364	0.057	0.0023
12/15/2018 20:45	0.364	0.057	0.0023
12/15/2018 21:00	0.365	0.058	0.0024
12/15/2018 21:15	0.365	0.058	0.0024
12/15/2018 21:30	0.366	0.059	0.0025
12/15/2018 21:45	0.367	0.060	0.0027
12/15/2018 22:00	0.366	0.059	0.0025
12/15/2018 22:15	0.366	0.059	0.0025
12/15/2018 22:30	0.366	0.059	0.0025
12/15/2018 22:45	0.366	0.059	0.0025
12/15/2018 23:00	0.366	0.059	0.0025
12/15/2018 23:15	0.367	0.060	0.0027
12/15/2018 23:30	0.366	0.059	0.0025
12/15/2018 23:45	0.367	0.060	0.0027
12/16/2018 0:00	0.367	0.060	0.0027
12/16/2018 0:15	0.367	0.060	0.0027
12/16/2018 0:30	0.367	0.060	0.0027
12/16/2018 0:45	0.367	0.060	0.0027
12/16/2018 1:00	0.368	0.061	0.0028
12/16/2018 1:15	0.367	0.060	0.0027
12/16/2018 1:30	0.368	0.061	0.0028
12/16/2018 1:45	0.37	0.063	0.0030
12/16/2018 2:00	0.372	0.065	0.0032
12/16/2018 2:15	0.374	0.067	0.0035
12/16/2018 2:30	0.374	0.067	0.0035
12/16/2018 2:45	0.375	0.068	0.0036
12/16/2018 3:00	0.375	0.068	0.0036
12/16/2018 3:15	0.376	0.069	0.0038
12/16/2018 3:30	0.376	0.069	0.0038
12/16/2018 3:45	0.377	0.070	0.0039
12/16/2018 4:00	0.378	0.071	0.0040
12/16/2018 4:15	0.379	0.072	0.0042
12/16/2018 4:30	0.379	0.072	0.0042
12/16/2018 4:45	0.379	0.072	0.0042
12/16/2018 5:00	0.38	0.073	0.0043
12/16/2018 5:15	0.379	0.072	0.0042
12/16/2018 5:30	0.379	0.072	0.0042
12/16/2018 5:45	0.379	0.072	0.0042
12/16/2018 6:00	0.379	0.072	0.0042

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/16/2018 6:15	0.379	0.072	0.0042
12/16/2018 6:30	0.379	0.072	0.0042
12/16/2018 6:45	0.379	0.072	0.0042
12/16/2018 7:00	0.379	0.072	0.0042
12/16/2018 7:15	0.379	0.072	0.0042
12/16/2018 7:30	0.379	0.072	0.0042
12/16/2018 7:45	0.379	0.072	0.0042
12/16/2018 8:00	0.379	0.072	0.0042
12/16/2018 8:15	0.378	0.071	0.0040
12/16/2018 8:30	0.379	0.072	0.0042
12/16/2018 8:45	0.379	0.072	0.0042
12/16/2018 9:00	0.379	0.072	0.0042
12/16/2018 9:15	0.379	0.072	0.0042
12/16/2018 9:30	0.379	0.072	0.0042
12/16/2018 9:45	0.379	0.072	0.0042
12/16/2018 10:00	0.379	0.072	0.0042
12/16/2018 10:15	0.379	0.072	0.0042
12/16/2018 10:30	0.379	0.072	0.0042
12/16/2018 10:45	0.379	0.072	0.0042
12/16/2018 11:00	0.379	0.072	0.0042
12/16/2018 11:15	0.379	0.072	0.0042
12/16/2018 11:30	0.379	0.072	0.0042
12/16/2018 11:45	0.379	0.072	0.0042
12/16/2018 12:00	0.379	0.072	0.0042
12/16/2018 12:15	0.379	0.072	0.0042
12/16/2018 12:30	0.38	0.073	0.0043
12/16/2018 12:45	0.382	0.075	0.0046
12/16/2018 13:00	0.383	0.076	0.0047
12/16/2018 13:15	0.384	0.077	0.0049
12/16/2018 13:30	0.385	0.078	0.0050
12/16/2018 13:45	0.386	0.079	0.0052
12/16/2018 14:00	0.389	0.082	0.0056
12/16/2018 14:15	0.392	0.085	0.0061
12/16/2018 14:30	0.396	0.089	0.0067
12/16/2018 14:45	0.398	0.091	0.0095
12/16/2018 15:00	0.398	0.091	0.0095
12/16/2018 15:15	0.399	0.092	0.0102
12/16/2018 15:30	0.399	0.092	0.0102
12/16/2018 15:45	0.399	0.092	0.0102
12/16/2018 16:00	0.398	0.091	0.0095
12/16/2018 16:15	0.398	0.091	0.0095
12/16/2018 16:30	0.397	0.090	0.0088
12/16/2018 16:45	0.396	0.089	0.0067
12/16/2018 17:00	0.395	0.088	0.0066
12/16/2018 17:15	0.394	0.087	0.0064
12/16/2018 17:30	0.392	0.085	0.0061
12/16/2018 17:45	0.392	0.085	0.0061
12/16/2018 18:00	0.391	0.084	0.0059
12/16/2018 18:15	0.39	0.083	0.0058
12/16/2018 18:30	0.39	0.083	0.0058
12/16/2018 18:45	0.389	0.082	0.0056

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/16/2018 19:00	0.389	0.082	0.0056
12/16/2018 19:15	0.388	0.081	0.0055
12/16/2018 19:30	0.387	0.080	0.0053
12/16/2018 19:45	0.387	0.080	0.0053
12/16/2018 20:00	0.386	0.079	0.0052
12/16/2018 20:15	0.386	0.079	0.0052
12/16/2018 20:30	0.386	0.079	0.0052
12/16/2018 20:45	0.385	0.078	0.0050
12/16/2018 21:00	0.385	0.078	0.0050
12/16/2018 21:15	0.385	0.078	0.0050
12/16/2018 21:30	0.384	0.077	0.0049
12/16/2018 21:45	0.384	0.077	0.0049
12/16/2018 22:00	0.384	0.077	0.0049
12/16/2018 22:15	0.383	0.076	0.0047
12/16/2018 22:30	0.383	0.076	0.0047
12/16/2018 22:45	0.383	0.076	0.0047
12/16/2018 23:00	0.383	0.076	0.0047
12/16/2018 23:15	0.383	0.076	0.0047
12/16/2018 23:30	0.383	0.076	0.0047
12/16/2018 23:45	0.383	0.076	0.0047
12/17/2018 0:00	0.383	0.076	0.0047
12/17/2018 0:15	0.382	0.075	0.0046
12/17/2018 0:30	0.383	0.076	0.0047
12/17/2018 0:45	0.382	0.075	0.0046
12/17/2018 1:00	0.381	0.074	0.0044
12/17/2018 1:15	0.381	0.074	0.0044
12/17/2018 1:30	0.381	0.074	0.0044
12/17/2018 1:45	0.381	0.074	0.0044
12/17/2018 2:00	0.381	0.074	0.0044
12/17/2018 2:15	0.381	0.074	0.0044
12/17/2018 2:30	0.38	0.073	0.0043
12/17/2018 2:45	0.379	0.072	0.0042
12/17/2018 3:00	0.379	0.072	0.0042
12/17/2018 3:15	0.38	0.073	0.0043
12/17/2018 3:30	0.38	0.073	0.0043
12/17/2018 3:45	0.381	0.074	0.0044
12/17/2018 4:00	0.382	0.075	0.0046
12/17/2018 4:15	0.383	0.076	0.0047
12/17/2018 4:30	0.383	0.076	0.0047
12/17/2018 4:45	0.383	0.076	0.0047
12/17/2018 5:00	0.383	0.076	0.0047
12/17/2018 5:15	0.383	0.076	0.0047
12/17/2018 5:30	0.383	0.076	0.0047
12/17/2018 5:45	0.383	0.076	0.0047
12/17/2018 6:00	0.383	0.076	0.0047
12/17/2018 6:15	0.383	0.076	0.0047
12/17/2018 6:30	0.383	0.076	0.0047
12/17/2018 6:45	0.382	0.075	0.0046
12/17/2018 7:00	0.382	0.075	0.0046
12/17/2018 7:15	0.382	0.075	0.0046
12/17/2018 7:30	0.383	0.076	0.0047

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/17/2018 7:45	0.382	0.075	0.0046
12/17/2018 8:00	0.382	0.075	0.0046
12/17/2018 8:15	0.381	0.074	0.0044
12/17/2018 8:30	0.381	0.074	0.0044
12/17/2018 8:45	0.381	0.074	0.0044
12/17/2018 9:00	0.381	0.074	0.0044
12/17/2018 9:15	0.381	0.074	0.0044
12/17/2018 9:30	0.381	0.074	0.0044
12/17/2018 9:45	0.381	0.074	0.0044
12/17/2018 10:00	0.381	0.074	0.0044
12/17/2018 10:15	0.381	0.074	0.0044
12/17/2018 10:30	0.383	0.076	0.0047
12/17/2018 10:45	0.383	0.076	0.0047
12/17/2018 11:00	0.383	0.076	0.0047
12/17/2018 11:15	0.383	0.076	0.0047
12/17/2018 11:30	0.383	0.076	0.0047
12/17/2018 11:45	0.383	0.076	0.0047
12/17/2018 12:00	0.383	0.076	0.0047
12/17/2018 12:15	0.383	0.076	0.0047
12/17/2018 12:30	0.383	0.076	0.0047
12/17/2018 12:45	0.383	0.076	0.0047
12/17/2018 13:00	0.383	0.076	0.0047
12/17/2018 13:15	0.383	0.076	0.0047
12/17/2018 13:30	0.383	0.076	0.0047
12/17/2018 13:45	0.383	0.076	0.0047
12/17/2018 14:00	0.382	0.075	0.0046
12/17/2018 14:15	0.383	0.076	0.0047
12/17/2018 14:30	0.383	0.076	0.0047
12/17/2018 14:45	0.383	0.076	0.0047
12/17/2018 15:00	0.382	0.075	0.0046
12/17/2018 15:15	0.382	0.075	0.0046
12/17/2018 15:30	0.382	0.075	0.0046
12/17/2018 15:45	0.381	0.074	0.0044
12/17/2018 16:00	0.381	0.074	0.0044
12/17/2018 16:15	0.382	0.075	0.0046
12/17/2018 16:30	0.382	0.075	0.0046
12/17/2018 16:45	0.381	0.074	0.0044
12/17/2018 17:00	0.381	0.074	0.0044
12/17/2018 17:15	0.381	0.074	0.0044
12/17/2018 17:30	0.382	0.075	0.0046
12/17/2018 17:45	0.383	0.076	0.0047
12/17/2018 18:00	0.385	0.078	0.0050
12/17/2018 18:15	0.387	0.080	0.0053
12/17/2018 18:30	0.391	0.084	0.0059
12/17/2018 18:45	0.394	0.087	0.0064
12/17/2018 19:00	0.395	0.088	0.0066
12/17/2018 19:15	0.397	0.090	0.0088
12/17/2018 19:30	0.398	0.091	0.0095
12/17/2018 19:45	0.399	0.092	0.0102
12/17/2018 20:00	0.399	0.092	0.0102
12/17/2018 20:15	0.4	0.093	0.0110

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/17/2018 20:30	0.401	0.094	0.0117
12/17/2018 20:45	0.402	0.095	0.0124
12/17/2018 21:00	0.401	0.094	0.0117
12/17/2018 21:15	0.402	0.095	0.0124
12/17/2018 21:30	0.402	0.095	0.0124
12/17/2018 21:45	0.403	0.096	0.0132
12/17/2018 22:00	0.404	0.097	0.0139
12/17/2018 22:15	0.405	0.098	0.0147
12/17/2018 22:30	0.406	0.099	0.0154
12/17/2018 22:45	0.407	0.100	0.0162
12/17/2018 23:00	0.408	0.101	0.0169
12/17/2018 23:15	0.409	0.102	0.0177
12/17/2018 23:30	0.409	0.102	0.0177
12/17/2018 23:45	0.41	0.103	0.0185
12/18/2018 0:00	0.411	0.104	0.0192
12/18/2018 0:15	0.412	0.105	0.0200
12/18/2018 0:30	0.414	0.107	0.0216
12/18/2018 0:45	0.417	0.110	0.0240
12/18/2018 1:00	0.419	0.112	0.0256
12/18/2018 1:15	0.423	0.116	0.0289
12/18/2018 1:30	0.423	0.116	0.0289
12/18/2018 1:45	0.423	0.116	0.0289
12/18/2018 2:00	0.424	0.117	0.0298
12/18/2018 2:15	0.425	0.118	0.0306
12/18/2018 2:30	0.425	0.118	0.0306
12/18/2018 2:45	0.424	0.117	0.0298
12/18/2018 3:00	0.425	0.118	0.0306
12/18/2018 3:15	0.425	0.118	0.0306
12/18/2018 3:30	0.427	0.120	0.0323
12/18/2018 3:45	0.435	0.128	0.0393
12/18/2018 4:00	0.438	0.131	0.0420
12/18/2018 4:15	0.443	0.136	0.0466
12/18/2018 4:30	0.449	0.142	0.0523
12/18/2018 4:45	0.454	0.147	0.0571
12/18/2018 5:00	0.46	0.153	0.0631
12/18/2018 5:15	0.467	0.160	0.0703
12/18/2018 5:30	0.469	0.162	0.0724
12/18/2018 5:45	0.471	0.164	0.0746
12/18/2018 6:00	0.476	0.169	0.0800
12/18/2018 6:15	0.48	0.173	0.0844
12/18/2018 6:30	0.481	0.174	0.0855
12/18/2018 6:45	0.487	0.180	0.0922
12/18/2018 7:00	0.492	0.185	0.0980
12/18/2018 7:15	0.501	0.194	0.1087
12/18/2018 7:30	0.505	0.198	0.1136
12/18/2018 7:45	0.507	0.200	0.1160
12/18/2018 8:00	0.509	0.202	0.1185
12/18/2018 8:15	0.511	0.204	0.1210
12/18/2018 8:30	0.514	0.207	0.1248
12/18/2018 8:45	0.516	0.209	0.1274
12/18/2018 9:00	0.517	0.210	0.1286

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/18/2018 9:15	0.518	0.211	0.1299
12/18/2018 9:30	0.519	0.212	0.1312
12/18/2018 9:45	0.519	0.212	0.1312
12/18/2018 10:00	0.52	0.213	0.1325
12/18/2018 10:15	0.519	0.212	0.1312
12/18/2018 10:30	0.519	0.212	0.1312
12/18/2018 10:45	0.517	0.210	0.1286
12/18/2018 11:00	0.516	0.209	0.1274
12/18/2018 11:15	0.515	0.208	0.1261
12/18/2018 11:30	0.514	0.207	0.1248
12/18/2018 11:45	0.514	0.207	0.1248
12/18/2018 12:00	0.513	0.206	0.1235
12/18/2018 12:15	0.514	0.207	0.1248
12/18/2018 12:30	0.516	0.209	0.1274
12/18/2018 12:45	0.516	0.209	0.1274
12/18/2018 13:00	0.516	0.209	0.1274
12/18/2018 13:15	0.516	0.209	0.1274
12/18/2018 13:30	0.515	0.208	0.1261
12/18/2018 13:45	0.514	0.207	0.1248
12/18/2018 14:00	0.512	0.205	0.1223
12/18/2018 14:15	0.512	0.205	0.1223
12/18/2018 14:30	0.511	0.204	0.1210
12/18/2018 14:45	0.511	0.204	0.1210
12/18/2018 15:00	0.51	0.203	0.1198
12/18/2018 15:15	0.51	0.203	0.1198
12/18/2018 15:30	0.509	0.202	0.1185
12/18/2018 15:45	0.508	0.201	0.1173
12/18/2018 16:00	0.508	0.201	0.1173
12/18/2018 16:15	0.508	0.201	0.1173
12/18/2018 16:30	0.508	0.201	0.1173
12/18/2018 16:45	0.507	0.200	0.1160
12/18/2018 17:00	0.505	0.198	0.1136
12/18/2018 17:15	0.504	0.197	0.1123
12/18/2018 17:30	0.503	0.196	0.1111
12/18/2018 17:45	0.503	0.196	0.1111
12/18/2018 18:00	0.502	0.195	0.1099
12/18/2018 18:15	0.501	0.194	0.1087
12/18/2018 18:30	0.5	0.193	0.1075
12/18/2018 18:45	0.5	0.193	0.1075
12/18/2018 19:00	0.5	0.193	0.1075
12/18/2018 19:15	0.499	0.192	0.1063
12/18/2018 19:30	0.498	0.191	0.1051
12/18/2018 19:45	0.497	0.190	0.1039
12/18/2018 20:00	0.496	0.189	0.1027
12/18/2018 20:15	0.495	0.188	0.1015
12/18/2018 20:30	0.495	0.188	0.1015
12/18/2018 20:45	0.494	0.187	0.1003
12/18/2018 21:00	0.493	0.186	0.0992
12/18/2018 21:15	0.493	0.186	0.0992
12/18/2018 21:30	0.492	0.185	0.0980
12/18/2018 21:45	0.491	0.184	0.0968

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/18/2018 22:00	0.49	0.183	0.0957
12/18/2018 22:15	0.49	0.183	0.0957
12/18/2018 22:30	0.489	0.182	0.0945
12/18/2018 22:45	0.488	0.181	0.0934
12/18/2018 23:00	0.487	0.180	0.0922
12/18/2018 23:15	0.487	0.180	0.0922
12/18/2018 23:30	0.486	0.179	0.0911
12/18/2018 23:45	0.485	0.178	0.0900
12/19/2018 0:00	0.485	0.178	0.0900
12/19/2018 0:15	0.485	0.178	0.0900
12/19/2018 0:30	0.483	0.176	0.0877
12/19/2018 0:45	0.483	0.176	0.0877
12/19/2018 1:00	0.481	0.174	0.0855
12/19/2018 1:15	0.481	0.174	0.0855
12/19/2018 1:30	0.48	0.173	0.0844
12/19/2018 1:45	0.479	0.172	0.0832
12/19/2018 2:00	0.478	0.171	0.0821
12/19/2018 2:15	0.476	0.169	0.0800
12/19/2018 2:30	0.475	0.168	0.0789
12/19/2018 2:45	0.475	0.168	0.0789
12/19/2018 3:00	0.473	0.166	0.0767
12/19/2018 3:15	0.472	0.165	0.0756
12/19/2018 3:30	0.471	0.164	0.0746
12/19/2018 3:45	0.47	0.163	0.0735
12/19/2018 4:00	0.47	0.163	0.0735
12/19/2018 4:15	0.468	0.161	0.0714
12/19/2018 4:30	0.468	0.161	0.0714
12/19/2018 4:45	0.466	0.159	0.0693
12/19/2018 5:00	0.466	0.159	0.0693
12/19/2018 5:15	0.465	0.158	0.0683
12/19/2018 5:30	0.464	0.157	0.0672
12/19/2018 5:45	0.463	0.156	0.0662
12/19/2018 6:00	0.461	0.154	0.0642
12/19/2018 6:15	0.461	0.154	0.0642
12/19/2018 6:30	0.459	0.152	0.0621
12/19/2018 6:45	0.459	0.152	0.0621
12/19/2018 7:00	0.458	0.151	0.0611
12/19/2018 7:15	0.457	0.150	0.0601
12/19/2018 7:30	0.456	0.149	0.0591
12/19/2018 7:45	0.456	0.149	0.0591
12/19/2018 8:00	0.455	0.148	0.0581
12/19/2018 8:15	0.455	0.148	0.0581
12/19/2018 8:30	0.453	0.146	0.0562
12/19/2018 8:45	0.453	0.146	0.0562
12/19/2018 9:00	0.453	0.146	0.0562
12/19/2018 9:15	0.451	0.144	0.0542
12/19/2018 9:30	0.451	0.144	0.0542
12/19/2018 9:45	0.45	0.143	0.0532
12/19/2018 10:00	0.45	0.143	0.0532
12/19/2018 10:15	0.449	0.142	0.0523
12/19/2018 10:30	0.449	0.142	0.0523

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/19/2018 10:45	0.448	0.141	0.0513
12/19/2018 11:00	0.448	0.141	0.0513
12/19/2018 11:15	0.448	0.141	0.0513
12/19/2018 11:30	0.448	0.141	0.0513
12/19/2018 11:45	0.448	0.141	0.0513
12/19/2018 12:00	0.448	0.141	0.0513
12/19/2018 12:15	0.447	0.140	0.0504
12/19/2018 12:30	0.448	0.141	0.0513
12/19/2018 12:45	0.447	0.140	0.0504
12/19/2018 13:00	0.446	0.139	0.0494
12/19/2018 13:15	0.446	0.139	0.0494
12/19/2018 13:30	0.446	0.139	0.0494
12/19/2018 13:45	0.445	0.138	0.0485
12/19/2018 14:00	0.445	0.138	0.0485
12/19/2018 14:15	0.445	0.138	0.0485
12/19/2018 14:30	0.445	0.138	0.0485
12/19/2018 14:45	0.445	0.138	0.0485
12/19/2018 15:00	0.444	0.137	0.0475
12/19/2018 15:15	0.443	0.136	0.0466
12/19/2018 15:30	0.443	0.136	0.0466
12/19/2018 15:45	0.443	0.136	0.0466
12/19/2018 16:00	0.443	0.136	0.0466
12/19/2018 16:15	0.442	0.135	0.0457
12/19/2018 16:30	0.442	0.135	0.0457
12/19/2018 16:45	0.441	0.134	0.0448
12/19/2018 17:00	0.441	0.134	0.0448
12/19/2018 17:15	0.441	0.134	0.0448
12/19/2018 17:30	0.441	0.134	0.0448
12/19/2018 17:45	0.441	0.134	0.0448
12/19/2018 18:00	0.44	0.133	0.0438
12/19/2018 18:15	0.441	0.134	0.0448
12/19/2018 18:30	0.44	0.133	0.0438
12/19/2018 18:45	0.44	0.133	0.0438
12/19/2018 19:00	0.439	0.132	0.0429
12/19/2018 19:15	0.439	0.132	0.0429
12/19/2018 19:30	0.439	0.132	0.0429
12/19/2018 19:45	0.439	0.132	0.0429
12/19/2018 20:00	0.438	0.131	0.0420
12/19/2018 20:15	0.438	0.131	0.0420
12/19/2018 20:30	0.438	0.131	0.0420
12/19/2018 20:45	0.438	0.131	0.0420
12/19/2018 21:00	0.438	0.131	0.0420
12/19/2018 21:15	0.438	0.131	0.0420
12/19/2018 21:30	0.438	0.131	0.0420
12/19/2018 21:45	0.438	0.131	0.0420
12/19/2018 22:00	0.437	0.130	0.0411
12/19/2018 22:15	0.436	0.129	0.0402
12/19/2018 22:30	0.436	0.129	0.0402
12/19/2018 22:45	0.436	0.129	0.0402
12/19/2018 23:00	0.436	0.129	0.0402
12/19/2018 23:15	0.436	0.129	0.0402

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/19/2018 23:30	0.436	0.129	0.0402
12/19/2018 23:45	0.436	0.129	0.0402
12/20/2018 0:00	0.436	0.129	0.0402
12/20/2018 0:15	0.436	0.129	0.0402
12/20/2018 0:30	0.436	0.129	0.0402
12/20/2018 0:45	0.434	0.127	0.0384
12/20/2018 1:00	0.434	0.127	0.0384
12/20/2018 1:15	0.434	0.127	0.0384
12/20/2018 1:30	0.434	0.127	0.0384
12/20/2018 1:45	0.434	0.127	0.0384
12/20/2018 2:00	0.434	0.127	0.0384
12/20/2018 2:15	0.434	0.127	0.0384
12/20/2018 2:30	0.434	0.127	0.0384
12/20/2018 2:45	0.434	0.127	0.0384
12/20/2018 3:00	0.434	0.127	0.0384
12/20/2018 3:15	0.433	0.126	0.0375
12/20/2018 3:30	0.433	0.126	0.0375
12/20/2018 3:45	0.433	0.126	0.0375
12/20/2018 4:00	0.433	0.126	0.0375
12/20/2018 4:15	0.433	0.126	0.0375
12/20/2018 4:30	0.433	0.126	0.0375
12/20/2018 4:45	0.433	0.126	0.0375
12/20/2018 5:00	0.432	0.125	0.0367
12/20/2018 5:15	0.432	0.125	0.0367
12/20/2018 5:30	0.431	0.124	0.0358
12/20/2018 5:45	0.431	0.124	0.0358
12/20/2018 6:00	0.43	0.123	0.0349
12/20/2018 6:15	0.43	0.123	0.0349
12/20/2018 6:30	0.429	0.122	0.0340
12/20/2018 6:45	0.428	0.121	0.0332
12/20/2018 7:00	0.427	0.120	0.0323
12/20/2018 7:15	0.425	0.118	0.0306
12/20/2018 7:30	0.424	0.117	0.0298
12/20/2018 7:45	0.423	0.116	0.0289
12/20/2018 8:00	0.423	0.116	0.0289
12/20/2018 8:15	0.421	0.114	0.0273
12/20/2018 8:30	0.419	0.112	0.0256
12/20/2018 8:45	0.419	0.112	0.0256
12/20/2018 9:00	0.418	0.111	0.0248
12/20/2018 9:15	0.417	0.110	0.0240
12/20/2018 9:30	0.419	0.112	0.0256
12/20/2018 9:45	0.416	0.109	0.0232
12/20/2018 10:00	0.414	0.107	0.0216
12/20/2018 10:15	0.414	0.107	0.0216
12/20/2018 10:30	0.414	0.107	0.0216
12/20/2018 10:45	0.414	0.107	0.0216
12/20/2018 11:00	0.414	0.107	0.0216
12/20/2018 11:15	0.412	0.105	0.0200
12/20/2018 11:30	0.411	0.104	0.0192
12/20/2018 11:45	0.41	0.103	0.0185
12/20/2018 12:00	0.41	0.103	0.0185

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/20/2018 12:15	0.409	0.102	0.0177
12/20/2018 12:30	0.408	0.101	0.0169
12/20/2018 12:45	0.408	0.101	0.0169
12/20/2018 13:00	0.407	0.100	0.0162
12/20/2018 13:15	0.406	0.099	0.0154
12/20/2018 13:30	0.406	0.099	0.0154
12/20/2018 13:45	0.405	0.098	0.0147
12/20/2018 14:00	0.405	0.098	0.0147
12/20/2018 14:15	0.405	0.098	0.0147
12/20/2018 14:30	0.404	0.097	0.0139
12/20/2018 14:45	0.403	0.096	0.0132
12/20/2018 15:00	0.403	0.096	0.0132
12/20/2018 15:15	0.402	0.095	0.0124
12/20/2018 15:30	0.403	0.096	0.0132
12/20/2018 15:45	0.402	0.095	0.0124
12/20/2018 16:00	0.402	0.095	0.0124
12/20/2018 16:15	0.401	0.094	0.0117
12/20/2018 16:30	0.401	0.094	0.0117
12/20/2018 16:45	0.401	0.094	0.0117
12/20/2018 17:00	0.4	0.093	0.0110
12/20/2018 17:15	0.399	0.092	0.0102
12/20/2018 17:30	0.399	0.092	0.0102
12/20/2018 17:45	0.399	0.092	0.0102
12/20/2018 18:00	0.398	0.091	0.0095
12/20/2018 18:15	0.398	0.091	0.0095
12/20/2018 18:30	0.398	0.091	0.0095
12/20/2018 18:45	0.397	0.090	0.0088
12/20/2018 19:00	0.397	0.090	0.0088
12/20/2018 19:15	0.397	0.090	0.0088
12/20/2018 19:30	0.397	0.090	0.0088
12/20/2018 19:45	0.397	0.090	0.0088
12/20/2018 20:00	0.396	0.089	0.0067
12/20/2018 20:15	0.396	0.089	0.0067
12/20/2018 20:30	0.396	0.089	0.0067
12/20/2018 20:45	0.396	0.089	0.0067
12/20/2018 21:00	0.395	0.088	0.0066
12/20/2018 21:15	0.395	0.088	0.0066
12/20/2018 21:30	0.394	0.087	0.0064
12/20/2018 21:45	0.394	0.087	0.0064
12/20/2018 22:00	0.394	0.087	0.0064
12/20/2018 22:15	0.394	0.087	0.0064
12/20/2018 22:30	0.393	0.086	0.0062
12/20/2018 22:45	0.393	0.086	0.0062
12/20/2018 23:00	0.394	0.087	0.0064
12/20/2018 23:15	0.394	0.087	0.0064
12/20/2018 23:30	0.393	0.086	0.0062
12/20/2018 23:45	0.393	0.086	0.0062
12/21/2018 0:00	0.394	0.087	0.0064
12/21/2018 0:15	0.393	0.086	0.0062
12/21/2018 0:30	0.393	0.086	0.0062
12/21/2018 0:45	0.393	0.086	0.0062

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/21/2018 1:00	0.393	0.086	0.0062
12/21/2018 1:15	0.393	0.086	0.0062
12/21/2018 1:30	0.392	0.085	0.0061
12/21/2018 1:45	0.392	0.085	0.0061
12/21/2018 2:00	0.392	0.085	0.0061
12/21/2018 2:15	0.391	0.084	0.0059
12/21/2018 2:30	0.391	0.084	0.0059
12/21/2018 2:45	0.391	0.084	0.0059
12/21/2018 3:00	0.391	0.084	0.0059
12/21/2018 3:15	0.391	0.084	0.0059
12/21/2018 3:30	0.391	0.084	0.0059
12/21/2018 3:45	0.391	0.084	0.0059
12/21/2018 4:00	0.391	0.084	0.0059
12/21/2018 4:15	0.391	0.084	0.0059
12/21/2018 4:30	0.391	0.084	0.0059
12/21/2018 4:45	0.391	0.084	0.0059
12/21/2018 5:00	0.391	0.084	0.0059
12/21/2018 5:15	0.391	0.084	0.0059
12/21/2018 5:30	0.391	0.084	0.0059
12/21/2018 5:45	0.391	0.084	0.0059
12/21/2018 6:00	0.39	0.083	0.0058
12/21/2018 6:15	0.389	0.082	0.0056
12/21/2018 6:30	0.389	0.082	0.0056
12/21/2018 6:45	0.389	0.082	0.0056
12/21/2018 7:00	0.389	0.082	0.0056
12/21/2018 7:15	0.389	0.082	0.0056
12/21/2018 7:30	0.389	0.082	0.0056
12/21/2018 7:45	0.389	0.082	0.0056
12/21/2018 8:00	0.389	0.082	0.0056
12/21/2018 8:15	0.389	0.082	0.0056
12/21/2018 8:30	0.389	0.082	0.0056
12/21/2018 8:45	0.389	0.082	0.0056
12/21/2018 9:00	0.389	0.082	0.0056
12/21/2018 9:15	0.389	0.082	0.0056
12/21/2018 9:30	0.388	0.081	0.0055
12/21/2018 9:45	0.388	0.081	0.0055
12/21/2018 10:00	0.388	0.081	0.0055
12/21/2018 10:15	0.388	0.081	0.0055
12/21/2018 10:30	0.388	0.081	0.0055
12/21/2018 10:45	0.389	0.082	0.0056
12/21/2018 11:00	0.39	0.083	0.0058
12/21/2018 11:15	0.392	0.085	0.0061
12/21/2018 11:30	0.392	0.085	0.0061
12/21/2018 11:45	0.392	0.085	0.0061
12/21/2018 12:00	0.392	0.085	0.0061
12/21/2018 12:15	0.392	0.085	0.0061
12/21/2018 12:30	0.392	0.085	0.0061
12/21/2018 12:45	0.392	0.085	0.0061
12/21/2018 13:00	0.393	0.086	0.0062
12/21/2018 13:15	0.393	0.086	0.0062
12/21/2018 13:30	0.393	0.086	0.0062

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/21/2018 13:45	0.392	0.085	0.0061
12/21/2018 14:00	0.392	0.085	0.0061
12/21/2018 14:15	0.391	0.084	0.0059
12/21/2018 14:30	0.391	0.084	0.0059
12/21/2018 14:45	0.391	0.084	0.0059
12/21/2018 15:00	0.391	0.084	0.0059
12/21/2018 15:15	0.39	0.083	0.0058
12/21/2018 15:30	0.389	0.082	0.0056
12/21/2018 15:45	0.389	0.082	0.0056
12/21/2018 16:00	0.387	0.080	0.0053
12/21/2018 16:15	0.387	0.080	0.0053
12/21/2018 16:30	0.387	0.080	0.0053
12/21/2018 16:45	0.387	0.080	0.0053
12/21/2018 17:00	0.387	0.080	0.0053
12/21/2018 17:15	0.386	0.079	0.0052
12/21/2018 17:30	0.386	0.079	0.0052
12/21/2018 17:45	0.386	0.079	0.0052
12/21/2018 18:00	0.386	0.079	0.0052
12/21/2018 18:15	0.386	0.079	0.0052
12/21/2018 18:30	0.386	0.079	0.0052
12/21/2018 18:45	0.386	0.079	0.0052
12/21/2018 19:00	0.385	0.078	0.0050
12/21/2018 19:15	0.385	0.078	0.0050
12/21/2018 19:30	0.385	0.078	0.0050
12/21/2018 19:45	0.385	0.078	0.0050
12/21/2018 20:00	0.384	0.077	0.0049
12/21/2018 20:15	0.384	0.077	0.0049
12/21/2018 20:30	0.384	0.077	0.0049
12/21/2018 20:45	0.384	0.077	0.0049
12/21/2018 21:00	0.384	0.077	0.0049
12/21/2018 21:15	0.384	0.077	0.0049
12/21/2018 21:30	0.384	0.077	0.0049
12/21/2018 21:45	0.385	0.078	0.0050
12/21/2018 22:00	0.385	0.078	0.0050
12/21/2018 22:15	0.385	0.078	0.0050
12/21/2018 22:30	0.384	0.077	0.0049
12/21/2018 22:45	0.384	0.077	0.0049
12/21/2018 23:00	0.384	0.077	0.0049
12/21/2018 23:15	0.384	0.077	0.0049
12/21/2018 23:30	0.384	0.077	0.0049
12/21/2018 23:45	0.384	0.077	0.0049
12/22/2018 0:00	0.384	0.077	0.0049
12/22/2018 0:15	0.384	0.077	0.0049
12/22/2018 0:30	0.384	0.077	0.0049
12/22/2018 0:45	0.383	0.076	0.0047
12/22/2018 1:00	0.383	0.076	0.0047
12/22/2018 1:15	0.383	0.076	0.0047
12/22/2018 1:30	0.383	0.076	0.0047
12/22/2018 1:45	0.383	0.076	0.0047
12/22/2018 2:00	0.383	0.076	0.0047
12/22/2018 2:15	0.383	0.076	0.0047

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/22/2018 2:30	0.383	0.076	0.0047
12/22/2018 2:45	0.383	0.076	0.0047
12/22/2018 3:00	0.382	0.075	0.0046
12/22/2018 3:15	0.382	0.075	0.0046
12/22/2018 3:30	0.382	0.075	0.0046
12/22/2018 3:45	0.382	0.075	0.0046
12/22/2018 4:00	0.382	0.075	0.0046
12/22/2018 4:15	0.382	0.075	0.0046
12/22/2018 4:30	0.382	0.075	0.0046
12/22/2018 4:45	0.382	0.075	0.0046
12/22/2018 5:00	0.382	0.075	0.0046
12/22/2018 5:15	0.382	0.075	0.0046
12/22/2018 5:30	0.381	0.074	0.0044
12/22/2018 5:45	0.381	0.074	0.0044
12/22/2018 6:00	0.381	0.074	0.0044
12/22/2018 6:15	0.381	0.074	0.0044
12/22/2018 6:30	0.381	0.074	0.0044
12/22/2018 6:45	0.381	0.074	0.0044
12/22/2018 7:00	0.381	0.074	0.0044
12/22/2018 7:15	0.381	0.074	0.0044
12/22/2018 7:30	0.381	0.074	0.0044
12/22/2018 7:45	0.381	0.074	0.0044
12/22/2018 8:00	0.381	0.074	0.0044
12/22/2018 8:15	0.381	0.074	0.0044
12/22/2018 8:30	0.381	0.074	0.0044
12/22/2018 8:45	0.382	0.075	0.0046
12/22/2018 9:00	0.381	0.074	0.0044
12/22/2018 9:15	0.381	0.074	0.0044
12/22/2018 9:30	0.382	0.075	0.0046
12/22/2018 9:45	0.383	0.076	0.0047
12/22/2018 10:00	0.382	0.075	0.0046
12/22/2018 10:15	0.382	0.075	0.0046
12/22/2018 10:30	0.382	0.075	0.0046
12/22/2018 10:45	0.382	0.075	0.0046
12/22/2018 11:00	0.382	0.075	0.0046
12/22/2018 11:15	0.382	0.075	0.0046
12/22/2018 11:30	0.383	0.076	0.0047
12/22/2018 11:45	0.383	0.076	0.0047
12/22/2018 12:00	0.382	0.075	0.0046
12/22/2018 12:15	0.382	0.075	0.0046
12/22/2018 12:30	0.383	0.076	0.0047
12/22/2018 12:45	0.382	0.075	0.0046
12/22/2018 13:00	0.382	0.075	0.0046
12/22/2018 13:15	0.382	0.075	0.0046
12/22/2018 13:30	0.383	0.076	0.0047
12/22/2018 13:45	0.382	0.075	0.0046
12/22/2018 14:00	0.382	0.075	0.0046
12/22/2018 14:15	0.382	0.075	0.0046
12/22/2018 14:30	0.382	0.075	0.0046
12/22/2018 14:45	0.381	0.074	0.0044
12/22/2018 15:00	0.381	0.074	0.0044

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/22/2018 15:15	0.38	0.073	0.0043
12/22/2018 15:30	0.38	0.073	0.0043
12/22/2018 15:45	0.379	0.072	0.0042
12/22/2018 16:00	0.379	0.072	0.0042
12/22/2018 16:15	0.378	0.071	0.0040
12/22/2018 16:30	0.378	0.071	0.0040
12/22/2018 16:45	0.378	0.071	0.0040
12/22/2018 17:00	0.378	0.071	0.0040
12/22/2018 17:15	0.378	0.071	0.0040
12/22/2018 17:30	0.377	0.070	0.0039
12/22/2018 17:45	0.378	0.071	0.0040
12/22/2018 18:00	0.378	0.071	0.0040
12/22/2018 18:15	0.381	0.074	0.0044
12/22/2018 18:30	0.385	0.078	0.0050
12/22/2018 18:45	0.387	0.080	0.0053
12/22/2018 19:00	0.389	0.082	0.0056
12/22/2018 19:15	0.394	0.087	0.0064
12/22/2018 19:30	0.398	0.091	0.0095
12/22/2018 19:45	0.403	0.096	0.0132
12/22/2018 20:00	0.407	0.100	0.0162
12/22/2018 20:15	0.409	0.102	0.0177
12/22/2018 20:30	0.41	0.103	0.0185
12/22/2018 20:45	0.411	0.104	0.0192
12/22/2018 21:00	0.413	0.106	0.0208
12/22/2018 21:15	0.415	0.108	0.0224
12/22/2018 21:30	0.419	0.112	0.0256
12/22/2018 21:45	0.42	0.113	0.0264
12/22/2018 22:00	0.422	0.115	0.0281
12/22/2018 22:15	0.421	0.114	0.0273
12/22/2018 22:30	0.419	0.112	0.0256
12/22/2018 22:45	0.418	0.111	0.0248
12/22/2018 23:00	0.416	0.109	0.0232
12/22/2018 23:15	0.414	0.107	0.0216
12/22/2018 23:30	0.413	0.106	0.0208
12/22/2018 23:45	0.411	0.104	0.0192
12/23/2018 0:00	0.41	0.103	0.0185
12/23/2018 0:15	0.409	0.102	0.0177
12/23/2018 0:30	0.407	0.100	0.0162
12/23/2018 0:45	0.407	0.100	0.0162
12/23/2018 1:00	0.409	0.102	0.0177
12/23/2018 1:15	0.409	0.102	0.0177
12/23/2018 1:30	0.41	0.103	0.0185
12/23/2018 1:45	0.41	0.103	0.0185
12/23/2018 2:00	0.409	0.102	0.0177
12/23/2018 2:15	0.412	0.105	0.0200
12/23/2018 2:30	0.415	0.108	0.0224
12/23/2018 2:45	0.42	0.113	0.0264
12/23/2018 3:00	0.422	0.115	0.0281
12/23/2018 3:15	0.423	0.116	0.0289
12/23/2018 3:30	0.422	0.115	0.0281
12/23/2018 3:45	0.421	0.114	0.0273

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/23/2018 4:00	0.419	0.112	0.0256
12/23/2018 4:15	0.418	0.111	0.0248
12/23/2018 4:30	0.416	0.109	0.0232
12/23/2018 4:45	0.415	0.108	0.0224
12/23/2018 5:00	0.414	0.107	0.0216
12/23/2018 5:15	0.413	0.106	0.0208
12/23/2018 5:30	0.412	0.105	0.0200
12/23/2018 5:45	0.411	0.104	0.0192
12/23/2018 6:00	0.41	0.103	0.0185
12/23/2018 6:15	0.409	0.102	0.0177
12/23/2018 6:30	0.407	0.100	0.0162
12/23/2018 6:45	0.407	0.100	0.0162
12/23/2018 7:00	0.41	0.103	0.0185
12/23/2018 7:15	0.412	0.105	0.0200
12/23/2018 7:30	0.415	0.108	0.0224
12/23/2018 7:45	0.418	0.111	0.0248
12/23/2018 8:00	0.419	0.112	0.0256
12/23/2018 8:15	0.418	0.111	0.0248
12/23/2018 8:30	0.419	0.112	0.0256
12/23/2018 8:45	0.418	0.111	0.0248
12/23/2018 9:00	0.417	0.110	0.0240
12/23/2018 9:15	0.415	0.108	0.0224
12/23/2018 9:30	0.414	0.107	0.0216
12/23/2018 9:45	0.413	0.106	0.0208
12/23/2018 10:00	0.413	0.106	0.0208
12/23/2018 10:15	0.412	0.105	0.0200
12/23/2018 10:30	0.411	0.104	0.0192
12/23/2018 10:45	0.41	0.103	0.0185
12/23/2018 11:00	0.409	0.102	0.0177
12/23/2018 11:15	0.408	0.101	0.0169
12/23/2018 11:30	0.407	0.100	0.0162
12/23/2018 11:45	0.407	0.100	0.0162
12/23/2018 12:00	0.406	0.099	0.0154
12/23/2018 12:15	0.406	0.099	0.0154
12/23/2018 12:30	0.406	0.099	0.0154
12/23/2018 12:45	0.406	0.099	0.0154
12/23/2018 13:00	0.406	0.099	0.0154
12/23/2018 13:15	0.405	0.098	0.0147
12/23/2018 13:30	0.405	0.098	0.0147
12/23/2018 13:45	0.404	0.097	0.0139
12/23/2018 14:00	0.404	0.097	0.0139
12/23/2018 14:15	0.403	0.096	0.0132
12/23/2018 14:30	0.403	0.096	0.0132
12/23/2018 14:45	0.403	0.096	0.0132
12/23/2018 15:00	0.402	0.095	0.0124
12/23/2018 15:15	0.401	0.094	0.0117
12/23/2018 15:30	0.401	0.094	0.0117
12/23/2018 15:45	0.401	0.094	0.0117
12/23/2018 16:00	0.401	0.094	0.0117
12/23/2018 16:15	0.401	0.094	0.0117
12/23/2018 16:30	0.4	0.093	0.0110

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/23/2018 16:45	0.399	0.092	0.0102
12/23/2018 17:00	0.4	0.093	0.0110
12/23/2018 17:15	0.399	0.092	0.0102
12/23/2018 17:30	0.399	0.092	0.0102
12/23/2018 17:45	0.402	0.095	0.0124
12/23/2018 18:00	0.407	0.100	0.0162
12/23/2018 18:15	0.412	0.105	0.0200
12/23/2018 18:30	0.415	0.108	0.0224
12/23/2018 18:45	0.423	0.116	0.0289
12/23/2018 19:00	0.431	0.124	0.0358
12/23/2018 19:15	0.436	0.129	0.0402
12/23/2018 19:30	0.438	0.131	0.0420
12/23/2018 19:45	0.44	0.133	0.0438
12/23/2018 20:00	0.441	0.134	0.0448
12/23/2018 20:15	0.441	0.134	0.0448
12/23/2018 20:30	0.442	0.135	0.0457
12/23/2018 20:45	0.44	0.133	0.0438
12/23/2018 21:00	0.439	0.132	0.0429
12/23/2018 21:15	0.438	0.131	0.0420
12/23/2018 21:30	0.436	0.129	0.0402
12/23/2018 21:45	0.434	0.127	0.0384
12/23/2018 22:00	0.433	0.126	0.0375
12/23/2018 22:15	0.432	0.125	0.0367
12/23/2018 22:30	0.431	0.124	0.0358
12/23/2018 22:45	0.429	0.122	0.0340
12/23/2018 23:00	0.429	0.122	0.0340
12/23/2018 23:15	0.428	0.121	0.0332
12/23/2018 23:30	0.428	0.121	0.0332
12/23/2018 23:45	0.427	0.120	0.0323
12/24/2018 0:00	0.426	0.119	0.0315
12/24/2018 0:15	0.426	0.119	0.0315
12/24/2018 0:30	0.425	0.118	0.0306
12/24/2018 0:45	0.425	0.118	0.0306
12/24/2018 1:00	0.424	0.117	0.0298
12/24/2018 1:15	0.423	0.116	0.0289
12/24/2018 1:30	0.423	0.116	0.0289
12/24/2018 1:45	0.423	0.116	0.0289
12/24/2018 2:00	0.421	0.114	0.0273
12/24/2018 2:15	0.421	0.114	0.0273
12/24/2018 2:30	0.421	0.114	0.0273
12/24/2018 2:45	0.421	0.114	0.0273
12/24/2018 3:00	0.42	0.113	0.0264
12/24/2018 3:15	0.419	0.112	0.0256
12/24/2018 3:30	0.419	0.112	0.0256
12/24/2018 3:45	0.419	0.112	0.0256
12/24/2018 4:00	0.419	0.112	0.0256
12/24/2018 4:15	0.419	0.112	0.0256
12/24/2018 4:30	0.419	0.112	0.0256
12/24/2018 4:45	0.418	0.111	0.0248
12/24/2018 5:00	0.418	0.111	0.0248
12/24/2018 5:15	0.418	0.111	0.0248

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/24/2018 5:30	0.418	0.111	0.0248
12/24/2018 5:45	0.417	0.110	0.0240
12/24/2018 6:00	0.417	0.110	0.0240
12/24/2018 6:15	0.417	0.110	0.0240
12/24/2018 6:30	0.416	0.109	0.0232
12/24/2018 6:45	0.416	0.109	0.0232
12/24/2018 7:00	0.416	0.109	0.0232
12/24/2018 7:15	0.416	0.109	0.0232
12/24/2018 7:30	0.416	0.109	0.0232
12/24/2018 7:45	0.416	0.109	0.0232
12/24/2018 8:00	0.415	0.108	0.0224
12/24/2018 8:15	0.414	0.107	0.0216
12/24/2018 8:30	0.414	0.107	0.0216
12/24/2018 8:45	0.414	0.107	0.0216
12/24/2018 9:00	0.413	0.106	0.0208
12/24/2018 9:15	0.413	0.106	0.0208
12/24/2018 9:30	0.413	0.106	0.0208
12/24/2018 9:45	0.413	0.106	0.0208
12/24/2018 10:00	0.413	0.106	0.0208
12/24/2018 10:15	0.413	0.106	0.0208
12/24/2018 10:30	0.412	0.105	0.0200
12/24/2018 10:45	0.412	0.105	0.0200
12/24/2018 11:00	0.411	0.104	0.0192
12/24/2018 11:15	0.411	0.104	0.0192
12/24/2018 11:30	0.411	0.104	0.0192
12/24/2018 11:45	0.41	0.103	0.0185
12/24/2018 12:00	0.411	0.104	0.0192
12/24/2018 12:15	0.409	0.102	0.0177
12/24/2018 12:30	0.409	0.102	0.0177
12/24/2018 12:45	0.409	0.102	0.0177
12/24/2018 13:00	0.409	0.102	0.0177
12/24/2018 13:15	0.409	0.102	0.0177
12/24/2018 13:30	0.408	0.101	0.0169
12/24/2018 13:45	0.408	0.101	0.0169
12/24/2018 14:00	0.408	0.101	0.0169
12/24/2018 14:15	0.407	0.100	0.0162
12/24/2018 14:30	0.406	0.099	0.0154
12/24/2018 14:45	0.406	0.099	0.0154
12/24/2018 15:00	0.406	0.099	0.0154
12/24/2018 15:15	0.405	0.098	0.0147
12/24/2018 15:30	0.405	0.098	0.0147
12/24/2018 15:45	0.405	0.098	0.0147
12/24/2018 16:00	0.405	0.098	0.0147
12/24/2018 16:15	0.404	0.097	0.0139
12/24/2018 16:30	0.403	0.096	0.013
12/24/2018 16:45	0.403	0.096	0.013
12/24/2018 17:00	0.403	0.096	0.013
12/24/2018 17:15	0.401	0.094	0.012
12/24/2018 17:30	0.401	0.094	0.012
12/24/2018 17:45	0.401	0.094	0.012
12/24/2018 18:00	0.401	0.094	0.012

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/24/2018 18:15	0.401	0.094	0.012
12/24/2018 18:30	0.401	0.094	0.012
12/24/2018 18:45	0.401	0.094	0.012
12/24/2018 19:00	0.4	0.093	0.011
12/24/2018 19:15	0.399	0.092	0.010
12/24/2018 19:30	0.399	0.092	0.010
12/24/2018 19:45	0.399	0.092	0.010
12/24/2018 20:00	0.399	0.092	0.010
12/24/2018 20:15	0.399	0.092	0.010
12/24/2018 20:30	0.399	0.092	0.010
12/24/2018 20:45	0.399	0.092	0.010
12/24/2018 21:00	0.399	0.092	0.010
12/24/2018 21:15	0.398	0.091	0.010
12/24/2018 21:30	0.398	0.091	0.010
12/24/2018 21:45	0.398	0.091	0.010
12/24/2018 22:00	0.398	0.091	0.010
12/24/2018 22:15	0.398	0.091	0.010
12/24/2018 22:30	0.398	0.091	0.010
12/24/2018 22:45	0.398	0.091	0.010
12/24/2018 23:00	0.398	0.091	0.010
12/24/2018 23:15	0.398	0.091	0.010
12/24/2018 23:30	0.398	0.091	0.010
12/24/2018 23:45	0.397	0.090	0.009
12/25/2018 0:00	0.397	0.090	0.009
12/25/2018 0:15	0.396	0.089	0.007
12/25/2018 0:30	0.396	0.089	0.007
12/25/2018 0:45	0.396	0.089	0.007
12/25/2018 1:00	0.396	0.089	0.007
12/25/2018 1:15	0.396	0.089	0.007
12/25/2018 1:30	0.396	0.089	0.007
12/25/2018 1:45	0.396	0.089	0.007
12/25/2018 2:00	0.396	0.089	0.007
12/25/2018 2:15	0.396	0.089	0.007
12/25/2018 2:30	0.396	0.089	0.007
12/25/2018 2:45	0.396	0.089	0.007
12/25/2018 3:00	0.396	0.089	0.007
12/25/2018 3:15	0.396	0.089	0.007
12/25/2018 3:30	0.395	0.088	0.007
12/25/2018 3:45	0.395	0.088	0.007
12/25/2018 4:00	0.394	0.087	0.006
12/25/2018 4:15	0.394	0.087	0.006
12/25/2018 4:30	0.394	0.087	0.006
12/25/2018 4:45	0.394	0.087	0.006
12/25/2018 5:00	0.394	0.087	0.006
12/25/2018 5:15	0.394	0.087	0.006
12/25/2018 5:30	0.394	0.087	0.006
12/25/2018 5:45	0.394	0.087	0.006
12/25/2018 6:00	0.394	0.087	0.006
12/25/2018 6:15	0.394	0.087	0.006
12/25/2018 6:30	0.394	0.087	0.006
12/25/2018 6:45	0.393	0.086	0.006

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/25/2018 7:00	0.393	0.086	0.006
12/25/2018 7:15	0.393	0.086	0.006
12/25/2018 7:30	0.394	0.087	0.006
12/25/2018 7:45	0.393	0.086	0.006
12/25/2018 8:00	0.393	0.086	0.006
12/25/2018 8:15	0.393	0.086	0.006
12/25/2018 8:30	0.393	0.086	0.006
12/25/2018 8:45	0.393	0.086	0.006
12/25/2018 9:00	0.392	0.085	0.006
12/25/2018 9:15	0.393	0.086	0.006
12/25/2018 9:30	0.392	0.085	0.006
12/25/2018 9:45	0.392	0.085	0.006
12/25/2018 10:00	0.392	0.085	0.006
12/25/2018 10:15	0.392	0.085	0.006
12/25/2018 10:30	0.392	0.085	0.006
12/25/2018 10:45	0.392	0.085	0.006
12/25/2018 11:00	0.392	0.085	0.006
12/25/2018 11:15	0.392	0.085	0.006
12/25/2018 11:30	0.392	0.085	0.006
12/25/2018 11:45	0.393	0.086	0.006
12/25/2018 12:00	0.392	0.085	0.006
12/25/2018 12:15	0.393	0.086	0.006
12/25/2018 12:30	0.393	0.086	0.006
12/25/2018 12:45	0.392	0.085	0.006
12/25/2018 13:00	0.392	0.085	0.006
12/25/2018 13:15	0.391	0.084	0.006
12/25/2018 13:30	0.391	0.084	0.006
12/25/2018 13:45	0.391	0.084	0.006
12/25/2018 14:00	0.391	0.084	0.006
12/25/2018 14:15	0.392	0.085	0.006
12/25/2018 14:30	0.391	0.084	0.006
12/25/2018 14:45	0.391	0.084	0.006
12/25/2018 15:00	0.391	0.084	0.006
12/25/2018 15:15	0.391	0.084	0.006
12/25/2018 15:30	0.391	0.084	0.006
12/25/2018 15:45	0.391	0.084	0.006
12/25/2018 16:00	0.391	0.084	0.006
12/25/2018 16:15	0.391	0.084	0.006
12/25/2018 16:30	0.391	0.084	0.006
12/25/2018 16:45	0.391	0.084	0.006
12/25/2018 17:00	0.391	0.084	0.006
12/25/2018 17:15	0.39	0.083	0.006
12/25/2018 17:30	0.39	0.083	0.006
12/25/2018 17:45	0.389	0.082	0.006
12/25/2018 18:00	0.389	0.082	0.006
12/25/2018 18:15	0.389	0.082	0.006
12/25/2018 18:30	0.389	0.082	0.006
12/25/2018 18:45	0.389	0.082	0.006
12/25/2018 19:00	0.389	0.082	0.006
12/25/2018 19:15	0.389	0.082	0.006
12/25/2018 19:30	0.389	0.082	0.006

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/25/2018 19:45	0.389	0.082	0.006
12/25/2018 20:00	0.389	0.082	0.006
12/25/2018 20:15	0.389	0.082	0.006
12/25/2018 20:30	0.389	0.082	0.006
12/25/2018 20:45	0.389	0.082	0.006
12/25/2018 21:00	0.389	0.082	0.006
12/25/2018 21:15	0.389	0.082	0.006
12/25/2018 21:30	0.389	0.082	0.006
12/25/2018 21:45	0.389	0.082	0.006
12/25/2018 22:00	0.388	0.081	0.005
12/25/2018 22:15	0.389	0.082	0.006
12/25/2018 22:30	0.388	0.081	0.005
12/25/2018 22:45	0.388	0.081	0.005
12/25/2018 23:00	0.389	0.082	0.006
12/25/2018 23:15	0.388	0.081	0.005
12/25/2018 23:30	0.388	0.081	0.005
12/25/2018 23:45	0.389	0.082	0.006
12/26/2018 0:00	0.389	0.082	0.006
12/26/2018 0:15	0.389	0.082	0.006
12/26/2018 0:30	0.388	0.081	0.005
12/26/2018 0:45	0.387	0.080	0.005
12/26/2018 1:00	0.387	0.080	0.005
12/26/2018 1:15	0.387	0.080	0.005
12/26/2018 1:30	0.387	0.080	0.005
12/26/2018 1:45	0.387	0.080	0.005
12/26/2018 2:00	0.387	0.080	0.005
12/26/2018 2:15	0.387	0.080	0.005
12/26/2018 2:30	0.387	0.080	0.005
12/26/2018 2:45	0.387	0.080	0.005
12/26/2018 3:00	0.387	0.080	0.005
12/26/2018 3:15	0.387	0.080	0.005
12/26/2018 3:30	0.387	0.080	0.005
12/26/2018 3:45	0.387	0.080	0.005
12/26/2018 4:00	0.387	0.080	0.005
12/26/2018 4:15	0.387	0.080	0.005
12/26/2018 4:30	0.388	0.081	0.005
12/26/2018 4:45	0.388	0.081	0.005
12/26/2018 5:00	0.387	0.080	0.005
12/26/2018 5:15	0.387	0.080	0.005
12/26/2018 5:30	0.387	0.080	0.005
12/26/2018 5:45	0.387	0.080	0.005
12/26/2018 6:00	0.387	0.080	0.005
12/26/2018 6:15	0.388	0.081	0.005
12/26/2018 6:30	0.387	0.080	0.005
12/26/2018 6:45	0.387	0.080	0.005
12/26/2018 7:00	0.387	0.080	0.005
12/26/2018 7:15	0.387	0.080	0.005
12/26/2018 7:30	0.387	0.080	0.005
12/26/2018 7:45	0.386	0.079	0.005
12/26/2018 8:00	0.387	0.080	0.005
12/26/2018 8:15	0.387	0.080	0.005

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/26/2018 8:30	0.387	0.080	0.005
12/26/2018 8:45	0.387	0.080	0.005
12/26/2018 9:00	0.387	0.080	0.005
12/26/2018 9:15	0.387	0.080	0.005
12/26/2018 9:30	0.388	0.081	0.005
12/26/2018 9:45	0.388	0.081	0.005
12/26/2018 10:00	0.388	0.081	0.005
12/26/2018 10:15	0.388	0.081	0.005
12/26/2018 10:30	0.39	0.083	0.006
12/26/2018 10:45	0.392	0.085	0.006
12/26/2018 11:00	0.392	0.085	0.006
12/26/2018 11:15	0.392	0.085	0.006
12/26/2018 11:30	0.392	0.085	0.006
12/26/2018 11:45	0.392	0.085	0.006
12/26/2018 12:00	0.393	0.086	0.006
12/26/2018 12:15	0.393	0.086	0.006
12/26/2018 12:30	0.394	0.087	0.006
12/26/2018 12:45	0.393	0.086	0.006
12/26/2018 13:00	0.392	0.085	0.006
12/26/2018 13:15	0.392	0.085	0.006
12/26/2018 13:30	0.391	0.084	0.006
12/26/2018 13:45	0.391	0.084	0.006
12/26/2018 14:00	0.39	0.083	0.006
12/26/2018 14:15	0.39	0.083	0.006
12/26/2018 14:30	0.389	0.082	0.006
12/26/2018 14:45	0.39	0.083	0.006
12/26/2018 15:00	0.391	0.084	0.006
12/26/2018 15:15	0.392	0.085	0.006
12/26/2018 15:30	0.393	0.086	0.006
12/26/2018 15:45	0.394	0.087	0.006
12/26/2018 16:00	0.394	0.087	0.006
12/26/2018 16:15	0.393	0.086	0.006
12/26/2018 16:30	0.393	0.086	0.006
12/26/2018 16:45	0.392	0.085	0.006
12/26/2018 17:00	0.391	0.084	0.006
12/26/2018 17:15	0.392	0.085	0.006
12/26/2018 17:30	0.396	0.089	0.007
12/26/2018 17:45	0.402	0.095	0.012
12/26/2018 18:00	0.405	0.098	0.015
12/26/2018 18:15	0.406	0.099	0.015
12/26/2018 18:30	0.406	0.099	0.015
12/26/2018 18:45	0.405	0.098	0.015
12/26/2018 19:00	0.404	0.097	0.014
12/26/2018 19:15	0.403	0.096	0.013
12/26/2018 19:30	0.401	0.094	0.012
12/26/2018 19:45	0.4	0.093	0.011
12/26/2018 20:00	0.399	0.092	0.010
12/26/2018 20:15	0.398	0.091	0.010
12/26/2018 20:30	0.397	0.090	0.009
12/26/2018 20:45	0.396	0.089	0.007
12/26/2018 21:00	0.396	0.089	0.007

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/26/2018 21:15	0.395	0.088	0.007
12/26/2018 21:30	0.394	0.087	0.006
12/26/2018 21:45	0.394	0.087	0.006
12/26/2018 22:00	0.393	0.086	0.006
12/26/2018 22:15	0.393	0.086	0.006
12/26/2018 22:30	0.393	0.086	0.006
12/26/2018 22:45	0.392	0.085	0.006
12/26/2018 23:00	0.392	0.085	0.006
12/26/2018 23:15	0.391	0.084	0.006
12/26/2018 23:30	0.391	0.084	0.006
12/26/2018 23:45	0.391	0.084	0.006
12/27/2018 0:00	0.391	0.084	0.006
12/27/2018 0:15	0.39	0.083	0.006
12/27/2018 0:30	0.39	0.083	0.006
12/27/2018 0:45	0.389	0.082	0.006
12/27/2018 1:00	0.389	0.082	0.006
12/27/2018 1:15	0.389	0.082	0.006
12/27/2018 1:30	0.389	0.082	0.006
12/27/2018 1:45	0.389	0.082	0.006
12/27/2018 2:00	0.389	0.082	0.006
12/27/2018 2:15	0.388	0.081	0.005
12/27/2018 2:30	0.388	0.081	0.005
12/27/2018 2:45	0.389	0.082	0.006
12/27/2018 3:00	0.389	0.082	0.006
12/27/2018 3:15	0.388	0.081	0.005
12/27/2018 3:30	0.388	0.081	0.005
12/27/2018 3:45	0.387	0.080	0.005
12/27/2018 4:00	0.387	0.080	0.005
12/27/2018 4:15	0.387	0.080	0.005
12/27/2018 4:30	0.387	0.080	0.005
12/27/2018 4:45	0.387	0.080	0.005
12/27/2018 5:00	0.387	0.080	0.005
12/27/2018 5:15	0.387	0.080	0.005
12/27/2018 5:30	0.387	0.080	0.005
12/27/2018 5:45	0.387	0.080	0.005
12/27/2018 6:00	0.386	0.079	0.005
12/27/2018 6:15	0.386	0.079	0.005
12/27/2018 6:30	0.386	0.079	0.005
12/27/2018 6:45	0.386	0.079	0.005
12/27/2018 7:00	0.386	0.079	0.005
12/27/2018 7:15	0.386	0.079	0.005
12/27/2018 7:30	0.386	0.079	0.005
12/27/2018 7:45	0.386	0.079	0.005
12/27/2018 8:00	0.386	0.079	0.005
12/27/2018 8:15	0.385	0.078	0.005
12/27/2018 8:30	0.385	0.078	0.005
12/27/2018 8:45	0.385	0.078	0.005
12/27/2018 9:00	0.385	0.078	0.005
12/27/2018 9:15	0.386	0.079	0.005
12/27/2018 9:30	0.385	0.078	0.005
12/27/2018 9:45	0.385	0.078	0.005

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/27/2018 10:00	0.386	0.079	0.005
12/27/2018 10:15	0.386	0.079	0.005
12/27/2018 10:30	0.386	0.079	0.005
12/27/2018 10:45	0.386	0.079	0.005
12/27/2018 11:00	0.387	0.080	0.005
12/27/2018 11:15	0.386	0.079	0.005
12/27/2018 11:30	0.387	0.080	0.005
12/27/2018 11:45	0.387	0.080	0.005
12/27/2018 12:00	0.387	0.080	0.005
12/27/2018 12:15	0.387	0.080	0.005
12/27/2018 12:30	0.386	0.079	0.005
12/27/2018 12:45	0.387	0.080	0.005
12/27/2018 13:00	0.387	0.080	0.005
12/27/2018 13:15	0.387	0.080	0.005
12/27/2018 13:30	0.386	0.079	0.005
12/27/2018 13:45	0.386	0.079	0.005
12/27/2018 14:00	0.385	0.078	0.005
12/27/2018 14:15	0.385	0.078	0.005
12/27/2018 14:30	0.384	0.077	0.005
12/27/2018 14:45	0.384	0.077	0.005
12/27/2018 15:00	0.384	0.077	0.005
12/27/2018 15:15	0.383	0.076	0.005
12/27/2018 15:30	0.383	0.076	0.005
12/27/2018 15:45	0.383	0.076	0.005
12/27/2018 16:00	0.383	0.076	0.005
12/27/2018 16:15	0.383	0.076	0.005
12/27/2018 16:30	0.383	0.076	0.005
12/27/2018 16:45	0.383	0.076	0.005
12/27/2018 17:00	0.383	0.076	0.005
12/27/2018 17:15	0.383	0.076	0.005
12/27/2018 17:30	0.383	0.076	0.005
12/27/2018 17:45	0.383	0.076	0.005
12/27/2018 18:00	0.383	0.076	0.005
12/27/2018 18:15	0.383	0.076	0.005
12/27/2018 18:30	0.383	0.076	0.005
12/27/2018 18:45	0.382	0.075	0.005
12/27/2018 19:00	0.383	0.076	0.005
12/27/2018 19:15	0.382	0.075	0.005
12/27/2018 19:30	0.382	0.075	0.005
12/27/2018 19:45	0.382	0.075	0.005
12/27/2018 20:00	0.381	0.074	0.004
12/27/2018 20:15	0.381	0.074	0.004
12/27/2018 20:30	0.381	0.074	0.004
12/27/2018 20:45	0.381	0.074	0.004
12/27/2018 21:00	0.381	0.074	0.004
12/27/2018 21:15	0.381	0.074	0.004
12/27/2018 21:30	0.381	0.074	0.004
12/27/2018 21:45	0.381	0.074	0.004
12/27/2018 22:00	0.381	0.074	0.004
12/27/2018 22:15	0.382	0.075	0.005
12/27/2018 22:30	0.382	0.075	0.005

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/27/2018 22:45	0.381	0.074	0.004
12/27/2018 23:00	0.381	0.074	0.004
12/27/2018 23:15	0.381	0.074	0.004
12/27/2018 23:30	0.381	0.074	0.004
12/27/2018 23:45	0.381	0.074	0.004
12/28/2018 0:00	0.381	0.074	0.004
12/28/2018 0:15	0.381	0.074	0.004
12/28/2018 0:30	0.381	0.074	0.004
12/28/2018 0:45	0.381	0.074	0.004
12/28/2018 1:00	0.381	0.074	0.004
12/28/2018 1:15	0.381	0.074	0.004
12/28/2018 1:30	0.381	0.074	0.004
12/28/2018 1:45	0.381	0.074	0.004
12/28/2018 2:00	0.381	0.074	0.004
12/28/2018 2:15	0.381	0.074	0.004
12/28/2018 2:30	0.381	0.074	0.004
12/28/2018 2:45	0.381	0.074	0.004
12/28/2018 3:00	0.381	0.074	0.004
12/28/2018 3:15	0.381	0.074	0.004
12/28/2018 3:30	0.381	0.074	0.004
12/28/2018 3:45	0.381	0.074	0.004
12/28/2018 4:00	0.381	0.074	0.004
12/28/2018 4:15	0.381	0.074	0.004
12/28/2018 4:30	0.381	0.074	0.004
12/28/2018 4:45	0.381	0.074	0.004
12/28/2018 5:00	0.381	0.074	0.004
12/28/2018 5:15	0.381	0.074	0.004
12/28/2018 5:30	0.381	0.074	0.004
12/28/2018 5:45	0.381	0.074	0.004
12/28/2018 6:00	0.381	0.074	0.004
12/28/2018 6:15	0.381	0.074	0.004
12/28/2018 6:30	0.381	0.074	0.004
12/28/2018 6:45	0.381	0.074	0.004
12/28/2018 7:00	0.381	0.074	0.004
12/28/2018 7:15	0.381	0.074	0.004
12/28/2018 7:30	0.381	0.074	0.004
12/28/2018 7:45	0.38	0.073	0.004
12/28/2018 8:00	0.381	0.074	0.004
12/28/2018 8:15	0.38	0.073	0.004
12/28/2018 8:30	0.38	0.073	0.004
12/28/2018 8:45	0.38	0.073	0.004
12/28/2018 9:00	0.381	0.074	0.004
12/28/2018 9:15	0.382	0.075	0.005
12/28/2018 9:30	0.381	0.074	0.004
12/28/2018 9:45	0.38	0.073	0.004
12/28/2018 10:00	0.38	0.073	0.004
12/28/2018 10:15	0.381	0.074	0.004
12/28/2018 10:30	0.383	0.076	0.005
12/28/2018 10:45	0.381	0.074	0.004
12/28/2018 11:00	0.381	0.074	0.004
12/28/2018 11:15	0.381	0.074	0.004

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/28/2018 11:30	0.382	0.075	0.005
12/28/2018 11:45	0.381	0.074	0.004
12/28/2018 12:00	0.382	0.075	0.005
12/28/2018 12:15	0.382	0.075	0.005
12/28/2018 12:30	0.382	0.075	0.005
12/28/2018 12:45	0.382	0.075	0.005
12/28/2018 13:00	0.381	0.074	0.004
12/28/2018 13:15	0.382	0.075	0.005
12/28/2018 13:30	0.382	0.075	0.005
12/28/2018 13:45	0.383	0.076	0.005
12/28/2018 14:00	0.384	0.077	0.005
12/28/2018 14:15	0.384	0.077	0.005
12/28/2018 14:30	0.385	0.078	0.005
12/28/2018 14:45	0.386	0.079	0.005
12/28/2018 15:00	0.387	0.080	0.005
12/28/2018 15:15	0.389	0.082	0.006
12/28/2018 15:30	0.389	0.082	0.006
12/28/2018 15:45	0.389	0.082	0.006
12/28/2018 16:00	0.389	0.082	0.006
12/28/2018 16:15	0.389	0.082	0.006
12/28/2018 16:30	0.389	0.082	0.006
12/28/2018 16:45	0.388	0.081	0.005
12/28/2018 17:00	0.388	0.081	0.005
12/28/2018 17:15	0.387	0.080	0.005
12/28/2018 17:30	0.387	0.080	0.005
12/28/2018 17:45	0.387	0.080	0.005
12/28/2018 18:00	0.386	0.079	0.005
12/28/2018 18:15	0.386	0.079	0.005
12/28/2018 18:30	0.385	0.078	0.005
12/28/2018 18:45	0.385	0.078	0.005
12/28/2018 19:00	0.385	0.078	0.005
12/28/2018 19:15	0.384	0.077	0.005
12/28/2018 19:30	0.385	0.078	0.005
12/28/2018 19:45	0.384	0.077	0.005
12/28/2018 20:00	0.384	0.077	0.005
12/28/2018 20:15	0.384	0.077	0.005
12/28/2018 20:30	0.383	0.076	0.005
12/28/2018 20:45	0.383	0.076	0.005
12/28/2018 21:00	0.383	0.076	0.005
12/28/2018 21:15	0.383	0.076	0.005
12/28/2018 21:30	0.383	0.076	0.005
12/28/2018 21:45	0.382	0.075	0.005
12/28/2018 22:00	0.382	0.075	0.005
12/28/2018 22:15	0.382	0.075	0.005
12/28/2018 22:30	0.382	0.075	0.005
12/28/2018 22:45	0.381	0.074	0.004
12/28/2018 23:00	0.381	0.074	0.004
12/28/2018 23:15	0.381	0.074	0.004
12/28/2018 23:30	0.381	0.074	0.004
12/28/2018 23:45	0.381	0.074	0.004
12/29/2018 0:00	0.379	0.072	0.004

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/29/2018 0:15	0.379	0.072	0.004
12/29/2018 0:30	0.378	0.071	0.004
12/29/2018 0:45	0.378	0.071	0.004
12/29/2018 1:00	0.378	0.071	0.004
12/29/2018 1:15	0.378	0.071	0.004
12/29/2018 1:30	0.377	0.070	0.004
12/29/2018 1:45	0.378	0.071	0.004
12/29/2018 2:00	0.377	0.070	0.004
12/29/2018 2:15	0.377	0.070	0.004
12/29/2018 2:30	0.377	0.070	0.004
12/29/2018 2:45	0.376	0.069	0.004
12/29/2018 3:00	0.377	0.070	0.004
12/29/2018 3:15	0.376	0.069	0.004
12/29/2018 3:30	0.376	0.069	0.004
12/29/2018 3:45	0.376	0.069	0.004
12/29/2018 4:00	0.376	0.069	0.004
12/29/2018 4:15	0.377	0.070	0.004
12/29/2018 4:30	0.377	0.070	0.004
12/29/2018 4:45	0.377	0.070	0.004
12/29/2018 5:00	0.377	0.070	0.004
12/29/2018 5:15	0.377	0.070	0.004
12/29/2018 5:30	0.377	0.070	0.004
12/29/2018 5:45	0.377	0.070	0.004
12/29/2018 6:00	0.378	0.071	0.004
12/29/2018 6:15	0.378	0.071	0.004
12/29/2018 6:30	0.378	0.071	0.004
12/29/2018 6:45	0.379	0.072	0.004
12/29/2018 7:00	0.379	0.072	0.004
12/29/2018 7:15	0.379	0.072	0.004
12/29/2018 7:30	0.379	0.072	0.004
12/29/2018 7:45	0.379	0.072	0.004
12/29/2018 8:00	0.379	0.072	0.004
12/29/2018 8:15	0.38	0.073	0.004
12/29/2018 8:30	0.379	0.072	0.004
12/29/2018 8:45	0.379	0.072	0.004
12/29/2018 9:00	0.379	0.072	0.004
12/29/2018 9:15	0.378	0.071	0.004
12/29/2018 9:30	0.378	0.071	0.004
12/29/2018 9:45	0.379	0.072	0.004
12/29/2018 10:00	0.378	0.071	0.004
12/29/2018 10:15	0.378	0.071	0.004
12/29/2018 10:30	0.378	0.071	0.004
12/29/2018 10:45	0.379	0.072	0.004
12/29/2018 11:00	0.379	0.072	0.004
12/29/2018 11:15	0.379	0.072	0.004
12/29/2018 11:30	0.381	0.074	0.004
12/29/2018 11:45	0.382	0.075	0.005
12/29/2018 12:00	0.382	0.075	0.005
12/29/2018 12:15	0.383	0.076	0.005
12/29/2018 12:30	0.384	0.077	0.005
12/29/2018 12:45	0.384	0.077	0.005

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/29/2018 13:00	0.385	0.078	0.005
12/29/2018 13:15	0.385	0.078	0.005
12/29/2018 13:30	0.385	0.078	0.005
12/29/2018 13:45	0.385	0.078	0.005
12/29/2018 14:00	0.385	0.078	0.005
12/29/2018 14:15	0.385	0.078	0.005
12/29/2018 14:30	0.384	0.077	0.005
12/29/2018 14:45	0.384	0.077	0.005
12/29/2018 15:00	0.384	0.077	0.005
12/29/2018 15:15	0.384	0.077	0.005
12/29/2018 15:30	0.383	0.076	0.005
12/29/2018 15:45	0.383	0.076	0.005
12/29/2018 16:00	0.382	0.075	0.005
12/29/2018 16:15	0.383	0.076	0.005
12/29/2018 16:30	0.382	0.075	0.005
12/29/2018 16:45	0.382	0.075	0.005
12/29/2018 17:00	0.382	0.075	0.005
12/29/2018 17:15	0.382	0.075	0.005
12/29/2018 17:30	0.382	0.075	0.005
12/29/2018 17:45	0.382	0.075	0.005
12/29/2018 18:00	0.382	0.075	0.005
12/29/2018 18:15	0.385	0.078	0.005
12/29/2018 18:30	0.388	0.081	0.005
12/29/2018 18:45	0.394	0.087	0.006
12/29/2018 18:48	0.394	0.087	0.006
12/29/2018 19:00	0.401	0.094	0.012
12/29/2018 19:15	0.407	0.100	0.016
12/29/2018 19:30	0.415	0.108	0.022
12/29/2018 19:45	0.422	0.115	0.028
12/29/2018 19:48	0.422	0.115	0.028
12/29/2018 20:00	0.429	0.122	0.034
12/29/2018 20:15	0.434	0.127	0.038
12/29/2018 20:30	0.438	0.131	0.042
12/29/2018 20:45	0.438	0.131	0.042
12/29/2018 20:48	0.438	0.131	0.042
12/29/2018 21:00	0.442	0.135	0.046
12/29/2018 21:15	0.448	0.141	0.051
12/29/2018 21:30	0.449	0.142	0.052
12/29/2018 21:45	0.449	0.142	0.052
12/29/2018 21:48	0.449	0.142	0.052
12/29/2018 22:00	0.448	0.141	0.051
12/29/2018 22:15	0.446	0.139	0.049
12/29/2018 22:30	0.443	0.136	0.047
12/29/2018 22:45	0.441	0.134	0.045
12/29/2018 22:48	0.441	0.134	0.045
12/29/2018 23:00	0.437	0.130	0.041
12/29/2018 23:15	0.436	0.129	0.040
12/29/2018 23:30	0.433	0.126	0.038
12/29/2018 23:45	0.43	0.123	0.035
12/29/2018 23:48	0.43	0.123	0.035
12/30/2018 0:00	0.428	0.121	0.033

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/30/2018 0:15	0.426	0.119	0.031
12/30/2018 0:30	0.424	0.117	0.030
12/30/2018 0:45	0.422	0.115	0.028
12/30/2018 0:48	0.422	0.115	0.028
12/30/2018 1:00	0.42	0.113	0.026
12/30/2018 1:15	0.419	0.112	0.026
12/30/2018 1:30	0.417	0.110	0.024
12/30/2018 1:45	0.416	0.109	0.023
12/30/2018 1:48	0.416	0.109	0.023
12/30/2018 2:00	0.414	0.107	0.022
12/30/2018 2:15	0.413	0.106	0.021
12/30/2018 2:30	0.412	0.105	0.020
12/30/2018 2:45	0.411	0.104	0.019
12/30/2018 2:48	0.411	0.104	0.019
12/30/2018 3:00	0.41	0.103	0.018
12/30/2018 3:15	0.41	0.103	0.018
12/30/2018 3:30	0.409	0.102	0.018
12/30/2018 3:45	0.41	0.103	0.018
12/30/2018 3:48	0.41	0.103	0.018
12/30/2018 4:00	0.409	0.102	0.018
12/30/2018 4:15	0.409	0.102	0.018
12/30/2018 4:30	0.409	0.102	0.018
12/30/2018 4:45	0.409	0.102	0.018
12/30/2018 4:48	0.409	0.102	0.018
12/30/2018 5:00	0.409	0.102	0.018
12/30/2018 5:15	0.409	0.102	0.018
12/30/2018 5:30	0.409	0.102	0.018
12/30/2018 5:45	0.408	0.101	0.017
12/30/2018 5:48	0.408	0.101	0.017
12/30/2018 6:00	0.408	0.101	0.017
12/30/2018 6:15	0.408	0.101	0.017
12/30/2018 6:30	0.407	0.100	0.016
12/30/2018 6:45	0.407	0.100	0.016
12/30/2018 6:48	0.407	0.100	0.016
12/30/2018 7:00	0.406	0.099	0.015
12/30/2018 7:15	0.406	0.099	0.015
12/30/2018 7:30	0.406	0.099	0.015
12/30/2018 7:45	0.406	0.099	0.015
12/30/2018 7:48	0.406	0.099	0.015
12/30/2018 8:00	0.405	0.098	0.015
12/30/2018 8:15	0.404	0.097	0.014
12/30/2018 8:30	0.404	0.097	0.014
12/30/2018 8:45	0.404	0.097	0.014
12/30/2018 8:48	0.404	0.097	0.014
12/30/2018 9:00	0.404	0.097	0.014
12/30/2018 9:15	0.404	0.097	0.014
12/30/2018 9:30	0.405	0.098	0.015
12/30/2018 9:45	0.404	0.097	0.014
12/30/2018 9:48	0.404	0.097	0.014
12/30/2018 10:00	0.404	0.097	0.014
12/30/2018 10:15	0.404	0.097	0.014

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/30/2018 10:30	0.403	0.096	0.013
12/30/2018 10:45	0.403	0.096	0.013
12/30/2018 10:48	0.403	0.096	0.013
12/30/2018 11:00	0.403	0.096	0.013
12/30/2018 11:15	0.404	0.097	0.014
12/30/2018 11:30	0.404	0.097	0.014
12/30/2018 11:45	0.404	0.097	0.014
12/30/2018 11:48	0.404	0.097	0.014
12/30/2018 12:00	0.404	0.097	0.014
12/30/2018 12:15	0.404	0.097	0.014
12/30/2018 12:30	0.403	0.096	0.013
12/30/2018 12:45	0.403	0.096	0.013
12/30/2018 12:48	0.403	0.096	0.013
12/30/2018 13:00	0.403	0.096	0.013
12/30/2018 13:15	0.403	0.096	0.013
12/30/2018 13:30	0.403	0.096	0.013
12/30/2018 13:45	0.403	0.096	0.013
12/30/2018 13:48	0.403	0.096	0.013
12/30/2018 14:00	0.402	0.095	0.012
12/30/2018 14:15	0.402	0.095	0.012
12/30/2018 14:30	0.401	0.094	0.012
12/30/2018 14:45	0.401	0.094	0.012
12/30/2018 14:48	0.401	0.094	0.012
12/30/2018 15:00	0.401	0.094	0.012
12/30/2018 15:15	0.401	0.094	0.012
12/30/2018 15:30	0.4	0.093	0.011
12/30/2018 15:45	0.399	0.092	0.010
12/30/2018 15:48	0.399	0.092	0.010
12/30/2018 16:00	0.399	0.092	0.010
12/30/2018 16:15	0.398	0.091	0.010
12/30/2018 16:30	0.398	0.091	0.010
12/30/2018 16:45	0.398	0.091	0.010
12/30/2018 16:48	0.398	0.091	0.010
12/30/2018 17:00	0.397	0.090	0.009
12/30/2018 17:15	0.397	0.090	0.009
12/30/2018 17:30	0.396	0.089	0.007
12/30/2018 17:45	0.396	0.089	0.007
12/30/2018 17:48	0.396	0.089	0.007
12/30/2018 18:00	0.396	0.089	0.007
12/30/2018 18:15	0.396	0.089	0.007
12/30/2018 18:30	0.396	0.089	0.007
12/30/2018 18:45	0.396	0.089	0.007
12/30/2018 18:48	0.396	0.089	0.007
12/30/2018 19:00	0.394	0.087	0.006
12/30/2018 19:15	0.394	0.087	0.006
12/30/2018 19:30	0.394	0.087	0.006
12/30/2018 19:45	0.393	0.086	0.006
12/30/2018 19:48	0.393	0.086	0.006
12/30/2018 20:00	0.393	0.086	0.006
12/30/2018 20:15	0.393	0.086	0.006
12/30/2018 20:30	0.393	0.086	0.006

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/30/2018 20:45	0.393	0.086	0.006
12/30/2018 20:48	0.393	0.086	0.006
12/30/2018 21:00	0.393	0.086	0.006
12/30/2018 21:15	0.393	0.086	0.006
12/30/2018 21:30	0.392	0.085	0.006
12/30/2018 21:45	0.391	0.084	0.006
12/30/2018 21:48	0.391	0.084	0.006
12/30/2018 22:00	0.391	0.084	0.006
12/30/2018 22:15	0.391	0.084	0.006
12/30/2018 22:30	0.391	0.084	0.006
12/30/2018 22:45	0.391	0.084	0.006
12/30/2018 22:48	0.391	0.084	0.006
12/30/2018 23:00	0.39	0.083	0.006
12/30/2018 23:15	0.39	0.083	0.006
12/30/2018 23:30	0.389	0.082	0.006
12/30/2018 23:45	0.389	0.082	0.006
12/30/2018 23:48	0.389	0.082	0.006
12/31/2018 0:00	0.389	0.082	0.006
12/31/2018 0:15	0.389	0.082	0.006
12/31/2018 0:30	0.388	0.081	0.005
12/31/2018 0:45	0.389	0.082	0.006
12/31/2018 0:48	0.389	0.082	0.006
12/31/2018 1:00	0.388	0.081	0.005
12/31/2018 1:15	0.387	0.080	0.005
12/31/2018 1:30	0.387	0.080	0.005
12/31/2018 1:45	0.387	0.080	0.005
12/31/2018 1:48	0.387	0.080	0.005
12/31/2018 2:00	0.387	0.080	0.005
12/31/2018 2:15	0.387	0.080	0.005
12/31/2018 2:30	0.387	0.080	0.005
12/31/2018 2:45	0.387	0.080	0.005
12/31/2018 2:48	0.387	0.080	0.005
12/31/2018 3:00	0.387	0.080	0.005
12/31/2018 3:15	0.387	0.080	0.005
12/31/2018 3:30	0.386	0.079	0.005
12/31/2018 3:45	0.386	0.079	0.005
12/31/2018 3:48	0.386	0.079	0.005
12/31/2018 4:00	0.386	0.079	0.005
12/31/2018 4:15	0.386	0.079	0.005
12/31/2018 4:30	0.386	0.079	0.005
12/31/2018 4:45	0.386	0.079	0.005
12/31/2018 4:48	0.386	0.079	0.005
12/31/2018 5:00	0.386	0.079	0.005
12/31/2018 5:15	0.386	0.079	0.005
12/31/2018 5:30	0.385	0.078	0.005
12/31/2018 5:45	0.385	0.078	0.005
12/31/2018 5:48	0.385	0.078	0.005
12/31/2018 6:00	0.385	0.078	0.005
12/31/2018 6:15	0.384	0.077	0.005
12/31/2018 6:30	0.384	0.077	0.005

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/31/2018 6:45	0.384	0.077	0.005
12/31/2018 6:48	0.384	0.077	0.005
12/31/2018 7:00	0.383	0.076	0.005
12/31/2018 7:15	0.383	0.076	0.005
12/31/2018 7:30	0.383	0.076	0.005
12/31/2018 7:45	0.383	0.076	0.005
12/31/2018 7:48	0.383	0.076	0.005
12/31/2018 8:00	0.383	0.076	0.005
12/31/2018 8:15	0.383	0.076	0.005
12/31/2018 8:30	0.383	0.076	0.005
12/31/2018 8:45	0.383	0.076	0.005
12/31/2018 8:48	0.383	0.076	0.005
12/31/2018 9:00	0.383	0.076	0.005
12/31/2018 9:15	0.382	0.075	0.005
12/31/2018 9:30	0.382	0.075	0.005
12/31/2018 9:45	0.382	0.075	0.005
12/31/2018 9:48	0.382	0.075	0.005
12/31/2018 10:00	0.382	0.075	0.005
12/31/2018 10:15	0.382	0.075	0.005
12/31/2018 10:30	0.382	0.075	0.005
12/31/2018 10:45	0.382	0.075	0.005
12/31/2018 10:48	0.382	0.075	0.005
12/31/2018 11:00	0.382	0.075	0.005
12/31/2018 11:15	0.382	0.075	0.005
12/31/2018 11:30	0.382	0.075	0.005
12/31/2018 11:45	0.384	0.077	0.005
12/31/2018 11:48	0.384	0.077	0.005
12/31/2018 12:00	0.384	0.077	0.005
12/31/2018 12:15	0.383	0.076	0.005
12/31/2018 12:30	0.383	0.076	0.005
12/31/2018 12:45	0.383	0.076	0.005
12/31/2018 12:48	0.383	0.076	0.005
12/31/2018 13:00	0.383	0.076	0.005
12/31/2018 13:15	0.383	0.076	0.005
12/31/2018 13:30	0.383	0.076	0.005
12/31/2018 13:45	0.383	0.076	0.005
12/31/2018 13:48	0.383	0.076	0.005
12/31/2018 14:00	0.383	0.076	0.005
12/31/2018 14:15	0.383	0.076	0.005
12/31/2018 14:30	0.382	0.075	0.0046
12/31/2018 14:45	0.381	0.074	0.0044
12/31/2018 14:48	0.381	0.074	0.0044
12/31/2018 15:00	0.381	0.074	0.0044
12/31/2018 15:15	0.38	0.073	0.0043
12/31/2018 15:30	0.379	0.072	0.0042
12/31/2018 15:45	0.379	0.072	0.0042
12/31/2018 15:48	0.379	0.072	0.0042
12/31/2018 16:00	0.378	0.071	0.0040
12/31/2018 16:15	0.378	0.071	0.0040
12/31/2018 16:30	0.378	0.071	0.0040
12/31/2018 16:45	0.377	0.070	0.0039

Effluent Depth of Flow Data from ISCO 6712/750 Unit and Flow Determined by Thel-Mar Weir

Time/Date	Depth of Flow (ft)[a]	Depth of Flow Above Weir (ft)	[b]Flow (cfs)
12/31/2018 16:48	0.377	0.070	0.0039
12/31/2018 17:00	0.376	0.069	0.0038
12/31/2018 17:15	0.376	0.069	0.0038
12/31/2018 17:30	0.376	0.069	0.0038
12/31/2018 17:45	0.376	0.069	0.0038
12/31/2018 17:48	0.376	0.069	0.0038
12/31/2018 18:00	0.376	0.069	0.0038
12/31/2018 18:15	0.376	0.069	0.0038
12/31/2018 18:30	0.375	0.068	0.0036
12/31/2018 18:45	0.375	0.068	0.0036
12/31/2018 18:48	0.375	0.068	0.0036
12/31/2018 19:00	0.375	0.068	0.0036
12/31/2018 19:15	0.375	0.068	0.0036
12/31/2018 19:30	0.375	0.068	0.0036
12/31/2018 19:45	0.374	0.067	0.0035
12/31/2018 19:48	0.374	0.067	0.0035
12/31/2018 20:00	0.374	0.067	0.0035
12/31/2018 20:15	0.374	0.067	0.0035
12/31/2018 20:30	0.374	0.067	0.0035
12/31/2018 20:45	0.374	0.067	0.0035
12/31/2018 20:48	0.374	0.067	0.0035
12/31/2018 21:00	0.374	0.067	0.0035
12/31/2018 21:15	0.374	0.067	0.0035
12/31/2018 21:30	0.374	0.067	0.0035
12/31/2018 21:45	0.374	0.067	0.0035
12/31/2018 21:48	0.374	0.067	0.0035
12/31/2018 22:00	0.374	0.067	0.0035
12/31/2018 22:15	0.373	0.066	0.0034
12/31/2018 22:30	0.374	0.067	0.0035
12/31/2018 22:45	0.373	0.066	0.0034
12/31/2018 22:48	0.373	0.066	0.0034
12/31/2018 23:00	0.373	0.066	0.0034
12/31/2018 23:15	0.373	0.066	0.0034
12/31/2018 23:30	0.373	0.066	0.0034
12/31/2018 23:45	0.373	0.066	0.0034
12/31/2018 23:48	0.373	0.066	0.0034

Notes:
[a]Raw ISCO data
[b]The effluent flow is determined by applying the depth of water measured by the ISCO to the Thel-mar weir flow conversion Depth of water and velocity data downloaded from ISCO 6712/750. Data downloaded to computer using Flowlink® 5.1 Effluent flow observed in November 2018 is due to precipitation that accumulated on the sand filter, and not representative of the site. Water depths in the detention basin have not reached the effluent riser pipes, and no stormwater

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

TestAmerica Job ID: 580-82434-1
Client Project/Site: Arkema - Stormwater Monitoring

For:
Integral Consulting Inc
319 SW Washington Ave
Suite 1150
Portland, Oregon 97204

Attn: Jane Sund

M. Elaine Walker

Authorized for release by:
1/9/2019 2:29:22 PM

Elaine Walker, Project Manager II
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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 580-82434-1

Laboratory: TestAmerica Seattle

Narrative

CASE NARRATIVE
Client: Integral Consulting Inc.
Project: Arkema - Stormwater Monitoring
Report Number: 580-82434-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 12/4/2018 12:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.3º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

SEMIVOLATILE ORGANIC COMPOUNDS

Sample EFF-120318 (580-82434-10) was analyzed for semivolatile organic compounds in accordance with EPA Method 625. The sample was prepared on 01/01/2019 and 12/10/2018 and analyzed on 01/07/2019 and 01/08/2019.

The following samples were extracted, and subsequently re-extracted out-of-hold, with the incorrect surrogate spike due to miscommunication among laboratory personnel about pesticide analytes by Method 625: EFF-120318 (580-82434-10), (LCS 580-290684/2-A), (LCS 580-292387/2-A), (LCSD 580-290684/3-A), (LCSD 580-292387/3-A), (MB 580-290684/1-A) and (MB 580-292387/1-A). There is no sample volume remaining for another extraction. However, all QC are within acceptance limits for the target analytes in both preparation batches and the sample data is consistent across batches, therefore the data is qualified and reported from both extraction batches. There will be no charge for this analysis.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

METALS (ICPMS)

Sample EFF-120318 (580-82434-10) was analyzed for metals (ICPMS) in accordance with EPA Method 200.8. The sample was prepared and analyzed on 12/19/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SGT-HEM (TPH)

Sample EFF-120318-009 (580-82434-9) was analyzed for SGT-HEM (TPH) in accordance with EPA Method 1664A. The sample was prepared and analyzed on 12/12/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 580-82434-1 (Continued)

Laboratory: TestAmerica Seattle (Continued)

HARDNESS

Sample EFF-120318 (580-82434-10) was analyzed for hardness in accordance with SM20 2340C. The sample was analyzed on 12/13/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL SUSPENDED SOLIDS

Sample EFF-120318 (580-82434-10) was analyzed for total suspended solids in accordance with SM20 2540D. The sample was analyzed on 12/10/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Integral Consulting Inc
Project/Site: Arkema - Stormwater Monitoring

TestAmerica Job ID: 580-82434-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Integral Consulting Inc
Project/Site: Arkema - Stormwater Monitoring

TestAmerica Job ID: 580-82434-1

Client Sample ID: EFF-120318-009

Lab Sample ID: 580-82434-9

Date Collected: 12/03/18 15:45
Matrix: Water
Date Received: 12/04/18 12:45

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	ND		5.1	5.1	mg/L		12/12/18 08:47	12/12/18 15:10	1

Client Sample Results

Client: Integral Consulting Inc
Project/Site: Arkema - Stormwater Monitoring

TestAmerica Job ID: 580-82434-1

Client Sample ID: EFF-120318

Lab Sample ID: 580-82434-10

Date Collected: 12/03/18 15:45
Matrix: Water
Date Received: 12/04/18 12:45

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	ND	H	0.050	0.022	ug/L		01/01/19 15:30	01/07/19 22:20	1
4,4'-DDT	ND		0.050	0.022	ug/L		12/10/18 14:26	01/08/19 15:35	1
4,4'-DDE	ND	H	0.050	0.037	ug/L		01/01/19 15:30	01/07/19 22:20	1
4,4'-DDE	ND		0.050	0.037	ug/L		12/10/18 14:26	01/08/19 15:35	1
4,4'-DDD	ND	H	0.050	0.030	ug/L		01/01/19 15:30	01/07/19 22:20	1
4,4'-DDD	ND		0.050	0.030	ug/L		12/10/18 14:26	01/08/19 15:35	1
2,4'-DDD	ND	H	0.050	0.044	ug/L		01/01/19 15:30	01/07/19 22:20	1
2,4'-DDD	ND		0.050	0.044	ug/L		12/10/18 14:26	01/08/19 15:35	1
2,4'-DDE	ND	H	0.050	0.027	ug/L		01/01/19 15:30	01/07/19 22:20	1
2,4'-DDE	ND		0.050	0.027	ug/L		12/10/18 14:26	01/08/19 15:35	1
2,4'-DDT	ND	H	0.050	0.019	ug/L		01/01/19 15:30	01/07/19 22:20	1
2,4'-DDT	ND		0.050	0.019	ug/L		12/10/18 14:26	01/08/19 15:35	1

Method: 200.8 LL - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		10	0.25	ug/L		12/19/18 08:14	12/19/18 21:20	1
Lead	ND		5.0	0.050	ug/L		12/19/18 08:14	12/19/18 21:20	1
Zinc	ND		5.0	2.0	ug/L		12/19/18 08:14	12/19/18 21:20	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**27**		2.0	2.0	mg/L			12/13/18 11:49	1
Total Suspended Solids	ND		2.0	2.0	mg/L			12/10/18 11:02	1

QC Sample Results

Client: Integral Consulting Inc
Project/Site: Arkema - Stormwater Monitoring

TestAmerica Job ID: 580-82434-1

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-290684/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 292706 — **Prep Batch: 290684**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	ND		0.050	0.023	ug/L		12/10/18 14:26	01/08/19 14:27	1
4,4'-DDE	ND		0.050	0.039	ug/L		12/10/18 14:26	01/08/19 14:27	1
4,4'-DDD	ND		0.050	0.031	ug/L		12/10/18 14:26	01/08/19 14:27	1
2,4'-DDD	ND		0.050	0.046	ug/L		12/10/18 14:26	01/08/19 14:27	1
2,4'-DDE	ND		0.050	0.028	ug/L		12/10/18 14:26	01/08/19 14:27	1
2,4'-DDT	ND		0.050	0.020	ug/L		12/10/18 14:26	01/08/19 14:27	1

Lab Sample ID: LCS 580-290684/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 292706 — **Prep Batch: 290684**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDT	0.200	0.155		ug/L		77	50 - 150
4,4'-DDE	0.200	0.154		ug/L		77	50 - 150
4,4'-DDD	0.200	0.160		ug/L		80	50 - 150
2,4'-DDD	0.205	0.160		ug/L		78	50 - 150
2,4'-DDE	0.205	0.180		ug/L		88	50 - 150
2,4'-DDT	0.205	0.150		ug/L		73	50 - 150

Lab Sample ID: LCSD 580-290684/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 292706 — **Prep Batch: 290684**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDT	0.200	0.212		ug/L		106	50 - 150	31	50
4,4'-DDE	0.200	0.196		ug/L		98	50 - 150	24	50
4,4'-DDD	0.200	0.179		ug/L		90	50 - 150	11	50
2,4'-DDD	0.205	0.167		ug/L		81	50 - 150	4	50
2,4'-DDE	0.205	0.176		ug/L		86	50 - 150	2	50
2,4'-DDT	0.205	0.162		ug/L		79	50 - 150	8	50

Lab Sample ID: MB 580-292387/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 292706 — **Prep Batch: 292387**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	ND		0.050	0.023	ug/L		01/01/19 15:30	01/08/19 14:04	1
4,4'-DDE	ND		0.050	0.039	ug/L		01/01/19 15:30	01/08/19 14:04	1
4,4'-DDD	ND		0.050	0.031	ug/L		01/01/19 15:30	01/08/19 14:04	1
2,4'-DDD	ND		0.050	0.046	ug/L		01/01/19 15:30	01/08/19 14:04	1
2,4'-DDE	ND		0.050	0.028	ug/L		01/01/19 15:30	01/08/19 14:04	1
2,4'-DDT	ND		0.050	0.020	ug/L		01/01/19 15:30	01/08/19 14:04	1

Lab Sample ID: LCS 580-292387/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 292669 — **Prep Batch: 292387**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDT	0.200	0.140		ug/L		70	50 - 150

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-292387/2-A
Matrix: Water
Analysis Batch: 292669

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 292387

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDE	0.200	0.164		ug/L		82	50 - 150
4,4'-DDD	0.200	0.123		ug/L		61	50 - 150
2,4'-DDD	0.200	0.119		ug/L		59	50 - 150
2,4'-DDE	0.200	0.175		ug/L		87	50 - 150
2,4'-DDT	0.200	0.140		ug/L		70	50 - 150

Lab Sample ID: LCSD 580-292387/3-A
Matrix: Water
Analysis Batch: 292669

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 292387

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDT	0.200	0.147		ug/L		73	50 - 150	5	50
4,4'-DDE	0.200	0.176		ug/L		88	50 - 150	7	50
4,4'-DDD	0.200	0.144		ug/L		72	50 - 150	16	50
2,4'-DDD	0.200	0.142		ug/L		71	50 - 150	18	50
2,4'-DDE	0.200	0.183		ug/L		92	50 - 150	5	50
2,4'-DDT	0.200	0.125		ug/L		63	50 - 150	11	50

Method: 200.8 LL - Metals (ICP/MS)

Lab Sample ID: MB 440-518100/1-A
Matrix: Water
Analysis Batch: 518285

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 518100

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		10	0.25	ug/L		12/19/18 08:14	12/19/18 21:05	1
Lead	ND		5.0	0.050	ug/L		12/19/18 08:14	12/19/18 21:05	1
Zinc	ND		5.0	2.0	ug/L		12/19/18 08:14	12/19/18 21:05	1

Lab Sample ID: LCS 440-518100/2-A
Matrix: Water
Analysis Batch: 518285

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 518100

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	80.0	75.9		ug/L		95	85 - 115
Lead	80.0	78.0		ug/L		98	85 - 115
Zinc	80.0	75.6		ug/L		95	85 - 115

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 580-290871/1-A
Matrix: Water
Analysis Batch: 290939

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290871

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	ND		5.2	5.2	mg/L		12/12/18 08:47	12/12/18 15:10	1

Method: 1664A - HEM and SGT-HEM (Continued)

Lab Sample ID: LCS 580-290871/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 290939 — **Prep Batch: 290871**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease	41.4	35.82		mg/L		87	78 - 114

Lab Sample ID: LCSD 580-290871/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 290939 — **Prep Batch: 290871**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Oil & Grease	41.4	42.30		mg/L		102	78 - 114	17	18

Method: SM 2340C - Hardness, Total (mg/l as CaC03)

Lab Sample ID: MB 580-291035/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 291035

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	ND		2.0	2.0	mg/L			12/13/18 11:49	1

Lab Sample ID: LCS 580-291035/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 291035

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hardness as calcium carbonate	1000	1030		mg/L		103	90 - 110

Lab Sample ID: 580-82434-10 DU — **Client Sample ID: EFF-120318**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 291035

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Hardness as calcium carbonate	27		25.0		mg/L		8	20

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 580-290634/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 290634

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		2.0	2.0	mg/L			12/10/18 11:02	1

Lab Sample ID: LCS 580-290634/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 290634

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	27.6	23.6		mg/L		86	70.6 - 120

QC Sample Results

Client: Integral Consulting Inc
Project/Site: Arkema - Stormwater Monitoring

TestAmerica Job ID: 580-82434-1

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: 580-82434-10 DU
Matrix: Water
Analysis Batch: 290634

Client Sample ID: EFF-120318
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	ND			ND		mg/L				NC	20

Lab Chronicle

Client: Integral Consulting Inc
Project/Site: Arkema - Stormwater Monitoring

TestAmerica Job ID: 580-82434-1

Client Sample ID: EFF-120318-009

Lab Sample ID: 580-82434-9
Date Collected: 12/03/18 15:45
Matrix: Water
Date Received: 12/04/18 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			290871	12/12/18 08:47	SPP	TAL SEA
Total/NA	Analysis	1664A		1	290939	12/12/18 15:10	SPP	TAL SEA

Client Sample ID: EFF-120318

Lab Sample ID: 580-82434-10
Date Collected: 12/03/18 15:45
Matrix: Water
Date Received: 12/04/18 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	CWA_Prep_CLLE			292387	01/01/19 15:30	BAH	TAL SEA
Total/NA	Analysis	625		1	292669	01/07/19 22:20	KFS	TAL SEA
Total/NA	Prep	CWA_Prep_CLLE			290684	12/10/18 14:26	DCV	TAL SEA
Total/NA	Analysis	625		1	292706	01/08/19 15:35	ADB	TAL SEA
Total Recoverable	Prep	200.2			518100	12/19/18 08:14	KE	TAL IRV
Total Recoverable	Analysis	200.8 LL		1	518285	12/19/18 21:20	P1R	TAL IRV
Total/NA	Analysis	SM 2340C		1	291035	12/13/18 11:49	R1K	TAL SEA
Total/NA	Analysis	SM 2540D		1	290634	12/10/18 11:02	EMM	TAL SEA

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Integral Consulting Inc
Project/Site: Arkema - Stormwater Monitoring

TestAmerica Job ID: 580-82434-1

Laboratory: TestAmerica Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Oregon	NELAP	10	WA100007	11-05-19

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
625	CWA_Prep_CLLE	Water	2,4'-DDD
625	CWA_Prep_CLLE	Water	2,4'-DDE
625	CWA_Prep_CLLE	Water	2,4'-DDT
625	CWA_Prep_CLLE	Water	4,4'-DDD
625	CWA_Prep_CLLE	Water	4,4'-DDE
625	CWA_Prep_CLLE	Water	4,4'-DDT

Laboratory: TestAmerica Irvine

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska	State Program	10	CA01531	06-30-19
Arizona	State Program	9	AZ0671	10-14-19
California	LA Cty Sanitation Districts	9	10256	06-30-19
California	State Program	9	CA ELAP 2706	06-30-19
Guam	State Program	9	Cert. No. 17-003R	01-23-19 *
Hawaii	State Program	9	N/A	01-29-19 *
Kansas	NELAP	7	E-10420	07-31-19
Nevada	State Program	9	CA015312018-1	07-31-19
New Mexico	State Program	6	N/A	01-29-19 *
Oregon	NELAP	10	4028	01-29-19 *
US Fish & Wildlife	Federal		058448	07-31-19
USDA	Federal		P330-18-00214	07-09-21
Washington	State Program	10	C900	09-03-19

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Integral Consulting Inc
Project/Site: Arkema - Stormwater Monitoring

TestAmerica Job ID: 580-82434-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-82434-9	EFF-120318-009	Water	12/03/18 15:45	12/04/18 12:45
580-82434-10	EFF-120318	Water	12/03/18 15:45	12/04/18 12:45

CHAIN OF CUSTODY FORM

580-82434 Chain of Custody

integral consulting inc.

Project: Akema Stormwater SCM (CF250)

Samplers: A. Halmstad

Integral Contact: Glenn Esler
Phone 503 (284) 5545

Ship to: Lab Name Test America
Address 5755 8th Street East
Tacoma, Washington
98424
Contact Elaine Walker
Phone (253) 248 - 4972

ANALYSES REQUESTED

Sample No.	Tag #	Date	Time	Matrix	Total Suspended Solids, SM 2540D	EPA 625 2,4 + 4,4 DDx	Hardness, Total as CaCO3, SM 2340C	Metals, Total (Cu, Pb, Zn), EPA 200.8	Oil and Grease, EPA 1664				Extra Container	Archive	Comments
EFF-120318-001	--	12/3/2018	1545	SW	x	x	x	x							pH = 7.97 @ T=11.0C
EFF-120318-002	--	12/3/2018		SW	x	x	x	x							
EFF-120318-003	--	12/3/2018		SW	x	x	x	x							
EFF-120318-004	--	12/3/2018		SW	x	x	x	x							
EFF-120318-005	--	12/3/2018		SW	x	x	x	x							
EFF-120318-006	--	12/3/2018		SW	x	x	x	x							
EFF-120318-007	--	12/3/2018		SW	x	x	x	x							
EFF-120318-008	--	12/3/2018		SW	x	x	x	x							
EFF-120318-009	--	12/3/2018		SW					x						

Analysis Turn Time: Normal Rush **Rush Results Needed By:**

Shipped by: Courier **Shipping Tracking No.**

Condition of Samples Upon Receipt: **Custody Seal Intact?**

Matrix Code: GW - Groundwater
SL - Soil SW - Surface water
SD -Sediment Other:

2.3°C

Relinquished by: Amber Lutty (signature) **Date/Time:** 1218 12/4/18 **Received by:** (signature) **Date/Time:** 12-4-18 /1218

Relinquished by: (signature) **Date/Time:** 12-4-18 /1243 **Received by:** (signature) **Date/Time:** 12/4/18 1245

Special Instructions:

Hold samples for composite instructions.

Table 1. Volumes for Composite Samples, Arkema Stormwater Effluent
Samples collected on 12/03/2018

Sample Date	Sample Composite Name	Sample Location	Chain of Custody ID	Aliquot for Composite (mL)
12/3/2018	EFF-120318	EFFLUENT	EFF-120318-001	1800
12/3/2018		EFFLUENT	EFF-120318-002	1544
12/3/2018		EFFLUENT	EFF-120318-003	877
12/3/2018		EFFLUENT	EFF-120318-004	598
12/3/2018		EFFLUENT	EFF-120318-005	483
12/3/2018		EFFLUENT	EFF-120318-006	391
12/3/2018		EFFLUENT	EFF-120318-007	180
12/3/2018		EFFLUENT	EFF-120318-008	127
			Total Sample Size for EFF-120318:	6000

Notes:

Oil & Grease to be completed on sample EFF-120318-009 only.

DDx, TSS, hardness and metals to be completed on composited sample of EFF-120318-001 – 008

Prioritize DDx analysis

Standard TAT

Analysis Requested:

Parameter	Method	Units
Conventionals		
Total suspended solids	SM 2540D	mg/L
Hardness, Total as $CaCO_3$	SM 2340C	mg/L
Metals		
Copper	EPA 200.8	µg/L
Lead	EPA 200.8	µg/L
Zinc (total recoverable)	EPA 200.8	µg/L
Organochlorine Pesticides	EPA 625	
2,4'-DDD		µg/L
4,4'-DDD		µg/L
2,4'-DDE		µg/L
4,4'-DDE		µg/L
2,4' -DDT		µg/L
4,4'-DDT		µg/L
Total of 2,4' and 4,4'-DDD, -DDE, -DDT		µg/L

If you have any questions please call:

Glenn Esler 503-284-5545 ext 617 (office)
503-358-0157 (cell)

Jane Sund 503-284-5545 ext 615 (office)
512-779-3172 (cell)

TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
Phone (253) 922-2310 Fax (253) 922-5047

Chain of Custody Record

TestAmerica

Client Information (Sub Contract Lab)	Sampler	Lab PM: Walker, Elaine M	Carrier Tracking No(s)	COC No: 580-61969.1
Client Contact: Shipping/Receiving	Phone	E-Mail: elaine walker@testamericainc com	State of Origin: Oregon	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): NELAP - Oregon		Job #: 580-82434-1
Address: 17461 Derian Ave, Suite 100,	Due Date Requested: 12/14/2018			
City: Irvine	TAT Requested (days):			
State, Zip: CA, 92614-5817				
Phone: 949-261-1022(Tel) 949-260-3297(Fax)	PO #			
Email	WO #			
Project Name: Arkema - Stormwater Monitoring	Project #: 58008001			
Site	SSOW#			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8_CWA_LL/200.2 (MOD) 200.8 Custom Metals	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
EFF-120318 (580-82434-10)	12/3/18	15:45 Pacific		Water			X	1	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	12/7/18 1700	TAPOK			
Relinquished by:	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time 12/8/18 1100	Company TA IR

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: IR 89 20/2.0

Ver: 09/20/2016

Login Sample Receipt Checklist

Client: Integral Consulting Inc

Job Number: 580-82434-1

Login Number: 82434
List Number: 1
Creator: O'Connell, Jason I

List Source: TestAmerica Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Integral Consulting Inc

Job Number: 580-82434-1

Login Number: 82434
List Number: 2
Creator: Escalante, Maria I

List Source: TestAmerica Irvine
List Creation: 12/19/18 11:24 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Walker, M Elaine

From: Glenn Esler <gesler@integral-corp.com>
Sent: Thursday, December 27, 2018 8:35 AM
To: Walker, M Elaine
Cc: Jane Sund; Sarah Kissell
Subject: RE: 580-82434-1

-External Email-

Hi Elaine,

Yes, re-extract and reanalyze and we can compare to the original analysis for informational purposes. We will not be able to report the DDx data.

Glenn Esler | Scientist
Integral Consulting Inc. | www.integral-corp.com
319 SW Washington Street, Suite 1150 | Portland, OR 97204
Tel: 503.284.5545, Ext. 617 | Fax: 503.284.5755

HEALTH ENVIRONMENT TECHNOLOGY SUSTAINABILITY

From: Walker, M Elaine <M.Elaine.Walker@testamericainc.com>
Sent: Wednesday, December 26, 2018 4:25 PM
To: Glenn Esler <gesler@integral-corp.com>
Subject: RE: 580-82434-1
Importance: High

Sorry Glenn, after finally getting a DDX calibration finished, the lab discovered that the DDX 625's were extracted without surrogates added. Unfortunately the data will not be usable and they are now out of hold. Shall we re-extract out of hold? I will not charge for the analyses if you still want the data; I'm not sure if you can re-collect the samples at this point.

Thanks,

SHIPPING ALERT: Christmas Holiday, Tuesday December 25th 2018 & New Year's Day, Tuesday January 1st 2019

For the upcoming Christmas holiday (observed Tuesday, December 25th) FedEx and UPS will not have scheduled service on Tuesday December 25th.

For the upcoming New Year's holiday (observed Tuesday, January 1st) FedEx and UPS will not have scheduled service on Tuesday January 1st.

If you have BODs sampled on December 19th , 20th , 27th or 28th or short hold samples arriving Monday December 24th , 31st or the weekend, we ask that you contact your Project Manager in advance to ensure your samples meet all holding time criteria.

We are thankful for your business and hope that you have a wonderful and safe holiday!

M. ELAINE WALKER
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

5755 8th Street East
Tacoma, WA 98424
Tel 253.248.4972 | Fax 253.922.5047
www.testamericainc.com

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From: Glenn Esler [mailto:gesler@integral-corp.com]
Sent: Wednesday, December 26, 2018 10:53 AM
To: Walker, M Elaine
Subject: RE: 580-82434-1

-External Email-

Hi Elaine,

Any updates?

Thanks,

Glenn Esler | Scientist
Integral Consulting Inc. | www.integral-corp.com
319 SW Washington Street, Suite 1150 | Portland, OR 97204
Tel: 503.284.5545, Ext. 617 | Fax: 503.284.5755

HEALTH ENVIRONMENT TECHNOLOGY SUSTAINABILITY

From: Walker, M Elaine <M.Elaine.Walker@testamericainc.com>
Sent: Friday, December 21, 2018 3:58 PM
To: Glenn Esler <gesler@integral-corp.com>
Subject: RE: 580-82434-1

Hi Glenn,

I just got an email from the lab regarding the 625 analysis for this job. The DDX needs to have a new calibration performed. So sorry for the delay.

SHIPPING ALERT: Christmas Holiday, Tuesday December 25th 2018 & New Year's Day, Tuesday January 1st 2019

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For the upcoming New Year's holiday (observed Tuesday, January 1st) FedEx and UPS will not have scheduled service on Tuesday January 1st.

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We are thankful for your business and hope that you have a wonderful and safe holiday!

M. ELAINE WALKER
Project Manager

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From: Walker, M Elaine
Sent: Tuesday, December 18, 2018 1:34 PM
To: 'Glenn Esler'
Subject: RE: 580-82434-1

Hi Glenn,

I was going to email you. We are waiting on standards for the DDX compounds, which have been delayed. I am trying to get more information on the status of when we should receive these standards. I also need to check with the Irvine lab to see what the status of the metals is. Sorry, but this is not going to make it today. As soon as I get more information on the standards I'll have a better idea on when the 625 should be completed.

Thanks,

SHIPPING ALERT: Christmas Holiday, Tuesday December 25th 2018 & New Year's Day, Tuesday January 1st 2019

For the upcoming Christmas holiday (observed Tuesday, December 25th) FedEx and UPS will not have scheduled service on Tuesday December 25th.

For the upcoming New Year's holiday (observed Tuesday, January 1st) FedEx and UPS will not have scheduled service on Tuesday January 1st.

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We are thankful for your business and hope that you have a wonderful and safe holiday!

M. ELAINE WALKER
Project Manager

TestAmerica
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5755 8th Street East
Tacoma, WA 98424
Tel 253.248.4972 | Fax 253.922.5047
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---

From: Glenn Esler [mailto:gesler@integral-corp.com]
Sent: Tuesday, December 18, 2018 8:33 AM
To: Walker, M Elaine
Subject: 580-82434-1

-External Email-

Hi Elaine,

Are we on track to get preliminary results tomorrow?

Also, rates are staying the same for 2019?

Thanks,

Glenn Esler | Scientist
Integral Consulting Inc. | www.integral-corp.com
319 SW Washington Street, Suite 1150 | Portland, OR 97204
Tel: 503.284.5545, Ext. 617 | Fax: 503.284.5755

HEALTH ENVIRONMENT TECHNOLOGY SUSTAINABILITY

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

TestAmerica Job ID: 580-83122-1
Client Project/Site: Arkema - Stormwater Monitoring

For:
Integral Consulting Inc
319 SW Washington Ave
Suite 1150
Portland, Oregon 97204

Attn: Jane Sund

M. Elaine Walker

Authorized for release by:
1/11/2019 3:00:21 PM

Elaine Walker, Project Manager II
(253)248-4972
elaine.walker@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary 10
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Job ID: 580-83122-1

Laboratory: TestAmerica Seattle

Narrative

CASE NARRATIVE
Client: Integral Consulting Inc.
Project: Arkema - Stormwater Monitoring
Report Number: 580-83122-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 1/3/2019 11:58 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.3º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample EFF-010219 (580-83122-9) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA Method 625. The sample was prepared and analyzed on 01/09/2019.

Terphenyl-d14 failed the surrogate recovery criteria low for EFF-010219 (580-83122-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL SUSPENDED SOLIDS

Sample EFF-010219 (580-83122-9) was analyzed for total suspended solids in accordance with SM20 2540D. The sample was analyzed on 01/09/2019.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Integral Consulting Inc
Project/Site: Arkema - Stormwater Monitoring

TestAmerica Job ID: 580-83122-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Integral Consulting Inc
Project/Site: Arkema - Stormwater Monitoring

TestAmerica Job ID: 580-83122-1

Client Sample ID: EFF-010219

Date Collected: 01/02/19 12:00
Date Received: 01/03/19 11:58

Lab Sample ID: 580-83122-9

Matrix: Water

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	ND		0.050	0.022	ug/L		01/09/19 07:11	01/09/19 16:26	1
4,4'-DDE	ND		0.050	0.037	ug/L		01/09/19 07:11	01/09/19 16:26	1
4,4'-DDD	ND		0.050	0.030	ug/L		01/09/19 07:11	01/09/19 16:26	1
2,4'-DDD	ND		0.050	0.044	ug/L		01/09/19 07:11	01/09/19 16:26	1
2,4'-DDE	ND		0.050	0.027	ug/L		01/09/19 07:11	01/09/19 16:26	1
2,4'-DDT	ND		0.050	0.019	ug/L		01/09/19 07:11	01/09/19 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*58*	*X*	*60 - 135*	*01/09/19 07:11*	*01/09/19 16:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		2.0	2.0	mg/L			01/09/19 18:18	1

QC Sample Results

Client: Integral Consulting Inc
Project/Site: Arkema - Stormwater Monitoring

TestAmerica Job ID: 580-83122-1

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-292752/1-A
Matrix: Water
Analysis Batch: 292810

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 292752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	ND		0.050	0.023	ug/L		01/09/19 07:11	01/09/19 15:18	1
4,4'-DDE	ND		0.050	0.039	ug/L		01/09/19 07:11	01/09/19 15:18	1
4,4'-DDD	ND		0.050	0.031	ug/L		01/09/19 07:11	01/09/19 15:18	1
2,4'-DDD	ND		0.050	0.046	ug/L		01/09/19 07:11	01/09/19 15:18	1
2,4'-DDE	ND		0.050	0.028	ug/L		01/09/19 07:11	01/09/19 15:18	1
2,4'-DDT	ND		0.050	0.020	ug/L		01/09/19 07:11	01/09/19 15:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*61*		*60 - 135*	*01/09/19 07:11*	*01/09/19 15:18*	*1*

Lab Sample ID: LCS 580-292752/2-A
Matrix: Water
Analysis Batch: 292810

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 292752

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDT	1.00	0.592		ug/L		59	50 - 150
4,4'-DDE	1.00	0.652		ug/L		65	50 - 150
4,4'-DDD	1.00	0.685		ug/L		68	50 - 150
2,4'-DDD	1.00	0.718		ug/L		71	50 - 150
2,4'-DDE	1.00	0.728		ug/L		73	50 - 150
2,4'-DDT	1.00	0.682		ug/L		68	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*69*		*60 - 135*

Lab Sample ID: LCSD 580-292752/3-A
Matrix: Water
Analysis Batch: 292810

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 292752

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDT	1.00	0.506		ug/L		51	50 - 150	16	50
4,4'-DDE	1.00	0.639		ug/L		64	50 - 150	2	50
4,4'-DDD	1.00	0.518		ug/L		52	50 - 150	28	50
2,4'-DDD	1.00	0.635		ug/L		63	50 - 150	12	50
2,4'-DDE	1.00	0.620		ug/L		62	50 - 150	16	50
2,4'-DDT	1.00	0.496		ug/L		50	50 - 150	32	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Terphenyl-d14	*63*		*60 - 135*

QC Sample Results

Client: Integral Consulting Inc
Project/Site: Arkema - Stormwater Monitoring

TestAmerica Job ID: 580-83122-1

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 580-292846/1
Matrix: Water
Analysis Batch: 292846

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		2.0	2.0	mg/L			01/09/19 18:18	1

Lab Sample ID: LCS 580-292846/2
Matrix: Water
Analysis Batch: 292846

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Suspended Solids			27.6	28.4		mg/L		103	70.6 - 120		

Lab Sample ID: 580-83122-9 DU
Matrix: Water
Analysis Batch: 292846

Client Sample ID: EFF-010219
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	ND			ND		mg/L				NC	20

Lab Chronicle

Client: Integral Consulting Inc
Project/Site: Arkema - Stormwater Monitoring

TestAmerica Job ID: 580-83122-1

Client Sample ID: EFF-010219

Date Collected: 01/02/19 12:00
Date Received: 01/03/19 11:58

Lab Sample ID: 580-83122-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	CWA_Prep			292752	01/09/19 07:11	KO	TAL SEA
Total/NA	Analysis	625		1	292810	01/09/19 16:26	KFS	TAL SEA
Total/NA	Analysis	SM 2540D		1	292846	01/09/19 18:18	KMS	TAL SEA

Laboratory References:

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Integral Consulting Inc
Project/Site: Arkema - Stormwater Monitoring

TestAmerica Job ID: 580-83122-1

Laboratory: TestAmerica Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Oregon	NELAP	10	WA100007	11-05-19

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
625	CWA_Prep	Water	2,4'-DDD
625	CWA_Prep	Water	2,4'-DDE
625	CWA_Prep	Water	2,4'-DDT
625	CWA_Prep	Water	4,4'-DDD
625	CWA_Prep	Water	4,4'-DDE
625	CWA_Prep	Water	4,4'-DDT

Sample Summary

Client: Integral Consulting Inc
Project/Site: Arkema - Stormwater Monitoring

TestAmerica Job ID: 580-83122-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-83122-9	EFF-010219	Water	01/02/19 12:00	01/03/19 11:58

CHAIN OF CUSTODY FORM

integral consulting inc.

Project: Akema Stormwater SCM (CF250)

Samplers: A. Lutey

Integral Contact: Glenn Esler
Phone 503 (284) 5545

Ship to: Lab Name Test America
Address 5755 8th Street East
Tacoma, Washington
98424
Contact Elaine Walker
Phone (253) 248 - 4972

Sample No.	Tag #	Date	Time	Matrix	Total Suspended Solids, SM 2540D	EPA 625 2,4 + 4,4 DDx	Hardness, Total as CaCO3, SM 2340C	Metals, Total (Cu, Pb, Zn), EPA 200.8	Oil and Grease, EPA 1664				Extra Container	Archive	Comments
EFF-010218-001	--	1/2/2019	1200	SW	x	x									pH = 8.19
EFF-010218-002	--	1/2/2019		SW	x	x									
EFF-010218-003	--	1/2/2019		SW	x	x									
EFF-010218-004	--	1/2/2019		SW	x	x									
EFF-010218-005	--	1/2/2019		SW	x	x									
EFF-010218-006	--	1/2/2019		SW	x	x									
EFF-010218-007	--	1/2/2019		SW	x	x									
EFF-010218-008	--	1/2/2019		SW	x	x									
~~EFF-010218-009~~	~~--~~	~~1/2/2019~~		~~SW~~					~~x~~						

580-83122 Chain of Custody

Analysis Turn Time: Normal Rush **Rush Results Needed By:**

Shipped by: **Shipping Tracking No.**

Condition of Samples Upon Receipt: **Custody Seal Intact?**

Matrix Code: GW - Groundwater; SL - Soil; SW - Surface water; SD -Sediment; Other:

Relinquished by: Amber Lutey (signature) **Date/Time:** 1/2/19 1200 **Received by:** (signature) **Date/Time:** 1/3/19 1158

Relinquished by: (signature) **Date/Time:** **Received by:** (signature) **Date/Time:**

Special Instructions:

Hold samples for composite instructions.

2.5

CHAIN OF CUSTODY FORM

integral consulting inc.

Project: Akema Stormwater SCM (CF250)

Samplers: A. Lutey

Integral Contact: Glenn Esler
Phone 503 (284) 5545

Ship to: Lab Name Test America
Address 5755 8th Street East
Tacoma, Washington
98424
Contact Elaine Walker
Phone (253) 248 - 4972

Sample No.	Tag #	Date	Time	Matrix	Total Suspended Solids, SM 2540D	EPA 625 2,4 + 4,4 DDx	Hardness, Total as CaCO3, SM 2340C	Metals, Total (Cu, Pb, Zn), EPA 200.8	Oil and Grease, EPA 1664				Extra Container	Archive	Comments
EFF-010219-001	--	1/2/2019	1200	SW	x	x									pH = 8.19
EFF-010219-002	--	1/2/2019		SW	x	x									
EFF-010219-003	--	1/2/2019		SW	x	x									
EFF-010219-004	--	1/2/2019		SW	x	x									
EFF-010219-005	--	1/2/2019		SW	x	x									
EFF-010219-006	--	1/2/2019		SW	x	x									
EFF-010219-007	--	1/2/2019		SW	x	x									
EFF-010219-008	--	1/2/2019		SW	x	x									
~~EFF-010219-009~~	~~--~~	~~1/2/2019~~		~~SW~~					~~x~~						

580-83122 Chain of Custody

Analysis Turn Time: Normal Rush **Rush Results Needed By:**

Shipped by: **Shipping Tracking No.**

Condition of Samples Upon Receipt: **Custody Seal Intact?**

Matrix Code: GW - Groundwater
SL - Soil SW - Surface water
SD -Sediment Other:

Relinquished by: (signature) **Date/Time:** 1/2/19 1200 **Received by:** (signature) **Date/Time:** 1/3/19 1148

Relinquished by: (signature) **Date/Time:** 1/7/19 1700 **Received by:** (signature) **Date/Time:** 1-8-19 0915

Special Instructions:

Hold samples for composite instructions.

6=3.4

2.5

Login Sample Receipt Checklist

Client: Integral Consulting Inc

Job Number: 580-83122-1

Login Number: 83122
List Number: 1
Creator: Antonson, Angeline D

List Source: TestAmerica Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	