Service Information

Service ID:	60787
Service Type:	Submit DMR
Created On:	01/18/2017

Summary

Minnesota Pollution Control Agency

Discharge Monitoring Report Form

Agency Interest	Permit Number	Monitoring Period
152971 - US Steel - Minntac Tailings Basin Area	MN0057207	12/01/2016 - 12/31/2016

Station Information: MONI0000000012 - SD 001 (Surface Discharge)

☐ No Discharge/No Flow for Monitoring Period

Parameter		Quantity			Quality				Frequency of Analysis	Sample Type	Exception
		Average	Maximum	Units	Minimum	Average	Maximum	Units			
Flow 50050 Modification # 0	**Result**	*****	4.89	Mgal	*****	0.16	0.16	mgd	twice per month	Measurement	
	Limit	******	REPORT calendar month total	Mgal	******	REPORT calendar month average	REPORT daily maximum	mgd	twice per month	Measurement	
Oil and Grease, Total Recoverable (Hexane Extraction) 00552 Modification # 0	**Result**	*****	*****	******	*****	<3.1	<3.1	mg/L	twice per month	Grab	
	Limit	******	******	******	******	<=10 calendar month average	<=15 daily maximum	mg/L	twice per month	Grab	
pH 00400 Modification # 0	**Result**	*****	*****	******	7.2	*****	7.2	SU	once per month	Grab	
	Limit	******	******	******	>=6.0 instantaneous minimum	******	<=9.0 instantaneous maximum	SU	once per month	Grab	
Solids, Total Suspended (TSS) 00530 Modification # 0	**Result**	*****	*****	******	*****	1.5	2.0	mg/L	twice per month	Grab	
	Limit	******	******	******	******	<=30 calendar month average	<=60 daily maximum	mg/L	twice per month	Grab	
Specific Conductance 00095 Modification # 0	**Result**	*****	*****	******	*****	*****	2719	umhos/cm	once per month	Grab	
	Limit	******	******	******	******	******	REPORT calendar month maximum	umhos/cm	once per month	Grab	
Sulfate, Total (as SO4) 00945 Modification # 0	**Result**	*****	*****	******	*****	*****	999	mg/L	once per month	Grab	
	Limit	******	******	******	******	******	REPORT calendar month maximum	mg/L	once per month	Grab	
Comment :											

Station Information: MONI0000000013 - SD 002 (Surface Discharge)

☑ No Discharge/No Flow for Monitoring Period

Parameter		Quantity			Quality				Frequency of Analysis	Sample Type	Exception
		Average	Maximum	Units	Minimum	Average	Maximum	Units			
Flow 50050 Modification # 0	**Result**	*****		Mgal	*****			mgd	twice per month	Measurement	
	Limit	******	REPORT calendar month total	Mgal	******	REPORT calendar month average	REPORT daily maximum	mgd	twice per month	Measurement	
Oil and Grease, Total Recoverable (Hexane Extraction) 00552 Modification # 0	**Result**	*****	*****	******	*****			mg/L	twice per month	Grab	
	Limit	******	******	******	******	<=10 calendar month average	<=15 daily maximum	mg/L	twice per month	Grab	
pH 00400 Modification # 0	**Result**	*****	*****	******		*****		SU	once per month	Grab	
	Limit	******	******	******	>=6.0 instantaneous minimum	******	<=9.0 instantaneous maximum	SU	once per month	Grab	
Solids, Total Suspended (TSS) 00530 Modification # 0	**Result**	*****	*****	******	*****			mg/L	twice per month	Grab	
	Limit	******	******	******	******	<=30 calendar month average	<=60 daily maximum	mg/L	twice per month	Grab	
Specific Conductance 00095 Modification # 0	**Result**	*****	*****	******	*****	*****		umhos/cm	once per month	Grab	
	Limit	******	******	******	******	******	REPORT calendar month maximum	umhos/cm	once per month	Grab	
Sulfate, Total (as SO4) 00945 Modification # 0	**Result**	*****	*****	******	*****	*****		mg/L	once per month	Grab	
	Limit	******	******	******	******	******	REPORT calendar month maximum	mg/L	once per month	Grab	
Comment :											

Station Information: MONI0000000016 - SW 001 (Surface Water)

☐ No Discharge/No Flow for Monitoring Period

Parameter		Quantity			Quality				Frequency of Analysis	Sample Type	Exception
		Average	Maximum	Units	Minimum	Average	Maximum	Units			
Flow 50050 Modification # 0	**Result**	*****	*****	******	*****	*****	22.1	mgd	once per month	Measurement, Instantaneous	
	Limit	******	******	******	******	******	REPORT single value	mgd	once per month	Measurement, Instantaneous	
Sulfate, Total (as SO4) 00945 Modification # 0	**Result**	*****	*****	******	*****	*****	84.6	mg/L	once per month	Grab	
	Limit	******	******	******	******	******	REPORT single value	mg/L	once per month	Grab	
Comment :											

Station Information: MONI0000000017 - SW 002 (Surface Water)

☐ No Discharge/No Flow for Monitoring Period

Parameter		Quantity			Quality				Frequency of Analysis	Sample Type	Exception
		Average	Maximum	Units	Minimum	Average	Maximum	Units			
Amines, Organic Total 78723 Modification # 0	**Result**	*****	*****	******	*****	*****	<0.25	mg/L	twice per year	Grab	
	Limit	******	******	******	******	******	REPORT single value	mg/L	twice per year	Grab	
Toxicity, Whole Effluent (Acute) 03811 Modification # 0	**Result**	*****	*****	******	*****	*****	<1.00	TUa	twice per year	Grab	
	Limit	******	******	******	******	******	REPORT single value	TUa	twice per year	Grab	
Comment :											

Station Information: MONI0000000019 - WS 002 (Waste Stream)

☐ No Discharge/No Flow for Monitoring Period

Parameter		Quantity			Quality				Frequency of Analysis	Sample Type	Exception
		Average	Maximum	Units	Minimum	Average	Maximum	Units			
Flow 50050 Modification # 0	**Result**	*****	*****	******	*****	0.23	*****	mgd	once per week	Measurement, Continuous	
	Limit	******	******	******	******	REPORT calendar month average	******	mgd	once per week	Measurement, Continuous	
Hardness, Calcium and Magnesium, Calculated (as CaCO3) 46570 Modification # 0	**Result**	*****	*****	******	*****	1217	*****	mg/L	once per week	Grab	
	Limit	******	******	******	******	REPORT calendar month average	******	mg/L	once per week	Grab	
Sulfate, Dissolved (as SO4) 00946 Modification # 0	**Result**	*****	*****	******	*****	828000	*****	ug/L	once per week	Grab	
	Limit	******	******	******	******	REPORT calendar month average	******	ug/L	once per week	Grab	
Comment :											

Station Information: MONI0000000020 - WS 003 (Waste Stream)

☐ No Discharge/No Flow for Monitoring Period

Parameter		Quantity			Quality				Frequency of Analysis	Sample Type	Exception
		Average	Maximum	Units	Minimum	Average	Maximum	Units			
Chloride, Total 00940 Modification # 0	**Result**	*****	*****	******	*****	520	*****	mg/L	once per month	Grab	
	Limit	******	******	******	******	REPORT calendar month average	******	mg/L	once per month	Grab	
Flow 50050 Modification # 0	**Result**	*****	*****	******	*****	0.19	*****	mgd	once per week	Measurement, Continuous	
	Limit	******	******	******	******	REPORT calendar month average	******	mgd	once per week	Measurement, Continuous	
Fluoride, Total (as F) 00951 Modification # 0	**Result**	*****	*****	******	*****	7.8	*****	mg/L	once per month	Grab	
	Limit	******	******	******	******	REPORT calendar month average	******	mg/L	once per month	Grab	
Hardness, Calcium and Magnesium, Calculated (as CaCO3) 46570 Modification # 0	**Result**	*****	*****	******	*****	2150	*****	mg/L	once per week	Grab	
	Limit	******	******	******	******	REPORT calendar month average	******	mg/L	once per week	Grab	
pH 00400 Modification # 0	**Result**	*****	*****	******	9.2	*****	*****	SU	once per week	Grab	
	Limit	******	******	******	REPORT calendar month minimum	******	******	SU	once per week	Grab	
Sulfate, Dissolved (as SO4) 00946 Modification # 0	**Result**	*****	*****	******	*****	1593000	*****	ug/L	once per week	Grab	
	Limit	******	******	******	******	REPORT calendar month average	******	ug/L	once per week	Grab	
Comment :											

Station Information: MONI0000000021 - WS 004 (Waste Stream)

☐ No Discharge/No Flow for Monitoring Period

Parameter		Quantity			Quality				Frequency of Analysis	Sample Type	Exception
		Average	Maximum	Units	Minimum	Average	Maximum	Units			
pH 00400 Modification # 0	**Result**	*****	*****	******	*****	*****	8.2	SU	once per week	Grab	
	Limit	******	******	******	******	******	REPORT calendar month maximum	SU	once per week	Grab	
Comment :											

Station Information: MONI0000000022 - WS 005 (Waste Stream)

☐ No Discharge/No Flow for Monitoring Period

Parameter		Quantity			Quality				Frequency of Analysis	Sample Type	Exception
		Average	Maximum	Units	Minimum	Average	Maximum	Units			
pH 00400 Modification # 0	**Result**	*****	*****	******	*****	*****	8.6	SU	once per week	Grab	
	Limit	******	******	******	******	******	REPORT calendar month maximum	SU	once per week	Grab	
Comment :											

Attachment Upload

Attachment Type	Uploaded Filename
Comments	December 2016 TB Comments.pdf

Electronic Signature

Signator: Thomas Moe
Signator ID: 58338452
Challenge/Response Question: What is your father's middle name?
Challenge/Response Answer: ******
eSignature PIN: ******
Date/Time of eSignature: 01/18/2017 15:28

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- I am in compliance with all terms in my Subscriber Agreement;
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- I may be subject to civil or administrative enforcement and penalties for noncompliance with regulatory reporting requirements for the entity I represent; and
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Water Quality Signatory: Thomas Moe
Date: 01/18/2017

Submission

Date/Time of Submission: 01-18-2017 03:28:19 PM