



January 25, 2024

Tennessee Department of Environment and Conservation
Jackson Environmental Field Office
Division of Air Pollution Control
Attn: Terri Ledsinger
1625 Hollywood Drive
Jackson, TN 38305-4316

Dear Terri,

This is a summary report for the Semi-Annual Report (SAR) required by GerdaU's Title V Operating Permit Number 574449 and covers the period of July 1, 2023 to December 31, 2023 as required by condition E2(a). There is continuous compliance under construction permit # 974353 and all required documents have been submitted to TDEC. There were no deviations during this reporting period and all opacity readings are on file in the Environmental Manager's office for TDEC's review if deemed necessary.

If you have any questions, please feel free to contact Will Ownby at (731) 424-5600.

Sincerely,

A handwritten signature in black ink that reads 'Will Ownby'.

Will Ownby
Environmental Manager
GerdaU
Jackson Tennessee Steel Mill



January 25, 2024

Technical Secretary
Division of Air Pollution Control
Attn: Operating Permits Program
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 15th Floor
Nashville, TN 37243

Dear State Official;

This is a summary report for the Semi-Annual Report (SAR) required by Gerdau's Title V Operating Permit Number 574449 and covers the period of July 1, 2023 to December 31, 2023 as required by condition E2(a)2 for visible emission readings using Method 9.

There is continuous compliance under construction permit # 974353 and all required documents have been submitted to TDEC.

This report contains the following information:

- 1) Any monitoring and recordkeeping required by various conditions in our permit.
- 2) Any visible emission evaluation readings required.
- 3) Identification of all instances of deviations from all permit requirements.

If you have any questions, please feel free to contact Will Ownby at (731) 424-5600.

My signature below shall serve as certification of the attached report based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

Sincerely,

A handwritten signature in black ink that reads 'Will Ownby'.

Will Ownby
Environmental Manager
Gerdau
Jackson Tennessee Steel Mill

Responsible Official Certification

I, the undersigned, am the responsible official as defined in TAPCR 1200-3-9-.02(11)(b)21 of the Title V source for which this document is being submitted. With the possible exception of those permit terms and conditions identified above (referring to a list of deviation, exceedances and excursions), the emission sources described in permit # 574449 and conditions stated in construction permit # 974353 were in compliance with all permit terms and conditions over the period of July 1, 2023 to December 31, 2023 as determined by all required testing and monitoring in the permit and other material information.

I hereby certify, based on the information and belief formed after reasonable inquiry, that the statements made and data contained in this document are true, accurate and complete.

 (Signature)	January 25, 2024 (Date)
Josh Wigger (Name)	V. P. General Manager (Title)

{Note: Attachments, if required are created by the Responsible Official and should consist of the information specified and any supporting required. The Responsible Official may also attach additional information when elaboration is required for clarity.}

January 25, 2024

Identification of all instances of deviations from all permit requirements.

None for the report period July 1, 2023 through December 31, 2023.

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/1/2023

heat	start time	end time	obsr	reason	duration	note
63232513	5:25	05:27:02	Pack Tap Hole		2.02	
	5:27	05:48:02	Plugged		21.00	mgo plugged up maint working on it (7/1/2023 05:27 Richard Phelps)
	5:48	05:50:13	Drop Start Bucket		2.18	
	6:06	06:09:15	2nd Charge		2.97	
	6:40	06:46:07	Lance Carbon		6.08	68 carbon 2936 temp (7/1/2023 06:40 Richard Phelps)
	6:47	06:50:18	Lab-Sample		2.70	
	6:53	07:01:05	Tapping		7.48	
63232514	7:01	07:05:14	1st Charge		4.15	
	7:18	07:35:14			16.65	Stat var tripped. (7/1/2023 07:45 Tim Maclin)
	7:37	07:38:52	2nd Charge		1.50	
	7:38	08:18:02	Breakdown		39.17	Broke north side clevis on scrap bucket. (7/1/2023 18:07 Tim Maclin)
	8:49	09:02:51			13.58	
	9:05	09:11:35	Tapping		5.95	
63232515	9:11	11:10:30			118.92	Broken O-ring on A-Phase (7/1/2023 18:05 Tim Maclin)
	11:10	11:15:30	Add Electrode		5.00	Added 1620 to tank. (7/1/2023 18:06 Tim Maclin)
	11:15	11:47:35	Gunned Furnace		32.08	
	12:04	12:06:31	2nd Charge		1.93	
	12:45	12:49:03	Gun		3.92	
	12:52	12:53:01	Take Temperature		1.00	
	12:53	12:59:13	Tapping		6.20	
63232516	12:59	13:02:13	1st Charge		3.00	
	13:02	13:03:41	Push Door		1.47	
	13:19	13:21:04	2nd Charge		1.58	
	13:56	14:02:52	Tapping		5.98	
63232517	14:02	14:05:52	1st Charge		3.00	
	14:05	14:07:02	Electrode Slip		1.17	
	14:07	14:08:02	Electrode Slip		1.00	
	14:23	14:25:09	2nd Charge		1.62	
	15:02	15:13:12	Lance Carbon		10.53	DJJ went over on coal. (7/1/2023 18:03 Tim Maclin)
	15:13	15:19:25	Tapping		6.22	
63232518	15:19	15:22:25	1st Charge		3.00	
	15:22	15:26:52	Push Door		4.45	
	15:41	15:43:34	2nd Charge		1.68	
	16:19	16:25:28	Tapping		6.42	
63232519	16:25	16:28:28	1st Charge		3.00	
	16:28	16:29:28	Electrode Slip		1.00	
	16:29	16:30:28	Electrode Slip		1.00	
	16:30	16:31:16	Electrode Slip		0.80	
	16:32	16:35:42	Add Electrode		3.57	
	16:49	16:51:10	2nd Charge		1.50	
	17:25	17:31:02	Tapping		5.57	
63232520	17:31	17:34:02	1st Charge		3.00	
	17:34	17:41:56	Gunned Furnace		7.90	
	17:53	17:53:32	Cave in		0.02	
	17:56	17:58:14	2nd Charge		1.57	
	18:35	18:41:26	Tapping		5.55	
63232521	18:41	18:44:31	1st Charge		3.08	
	18:59	19:01:57	2nd Charge		1.98	
	19:27	19:46:39			19.38	Caster on 2 strands (7/1/2023 19:28 Richard Phelps) Cutter stacker not paying attention. (7/1/2023 19:45 Richard Phelps)
	19:54	19:57:47	Push Door		3.35	skull in the door (7/1/2023 19:55 Richard Phelps)
	20:04	20:06:18	Lance Taphole		2.05	
	20:06	20:12:22	Tapping		6.07	
63232522	20:12	20:16:55	1st Charge		4.55	
	20:32	20:34:20	2nd Charge		1.90	
	21:02	21:03:29	Carbon Boil		0.87	
	21:11	21:16:35	Tapping		5.08	
63232523	21:16	21:20:58	1st Charge		4.38	
	21:37	21:39:11	2nd Charge		1.90	
	22:07	22:11:56			4.20	Cutter stackers had to clear strand 2 before casters could get on 4 strands. Billet hung up in guide. (7/1/2023 22:23 Richard Phelps)
	22:15	22:16:21	Carbon Boil		0.68	
	22:20	22:26:32	Tapping		6.40	
63232524	22:26	22:30:18	1st Charge		3.77	
	22:45	22:47:27	2nd Charge		2.20	
	23:16	23:20:34	Other		3.80	Casters still behind after strand 1 and 2 was blanked from cutter stackers and have not caught up yet. (7/1/2023 23:19 Richard Phelps)
	23:22	23:24:04	Carbon Boil		1.42	
	23:28	23:34:22	Tapping		6.32	
63232525	23:34	23:38:10	1st Charge		3.80	
	23:38	23:38:52	Electrode Slip		0.70	
	23:38	23:39:31	Electrode Slip		0.65	
	23:54	23:56:04	2nd Charge		1.90	
	0:23	00:28:22	Plate Change		4.68	
	0:35	00:36:56	Lance Taphole		1.32	
	0:36	00:42:27	Tapping		5.52	
63232526	0:42	00:48:20	Breakdown		5.88	Lost power (7/2/2023 00:45 Richard Phelps)
	1:04	01:06:02	2nd Charge		2.02	
	1:33	01:39:50	Swap to backup ladle		6.05	
	1:47	01:53:26	Tapping		6.20	
63232527	1:53	01:57:14	1st Charge		3.80	
	1:57	02:00:34	Electrode Slip		3.33	Back slip, did not slip enough could not see. (7/2/2023 02:04 Richard Phelps)
	2:00	02:06:18	Add Electrode		5.32	
	2:06	02:13:45	Add Electrode		7.45	1618 (7/2/2023 02:07 Richard Phelps)
	2:28	02:30:44	2nd Charge		1.75	
	3:00	03:01:12	Carbon Boil		0.78	
	3:04	03:10:50	Tapping		5.85	
63232528	3:10	03:12:50	Pack Tap Hole		2.00	
	3:12	03:24:30	Gunned Furnace		11.67	
	3:38	03:40:50	2nd Charge		2.02	
	3:46	03:46:55	Electrodes Moving Slow		0.03	
	4:16	04:16:46	Take Temperature		0.50	
	4:18	04:23:56	Tapping		5.93	
63232529	4:23	04:28:16	1st Charge		4.33	
	4:33	04:33:54	Electrodes Moving Slow		0.03	
	4:44	04:46:49	2nd Charge		2.07	
	5:17	05:19:01	Carbon Boil		1.47	
	5:23	05:29:15	Tapping		6.00	
63232530	5:29	05:33:03	1st Charge		3.80	
	5:33	05:33:39	Electrode Slip		0.60	
	5:33	05:34:34	Fill Taphole Hopper		0.92	
	5:49	05:51:47	2nd Charge		1.83	
	6:25	06:27:22	Carbon Boil		1.58	
	6:27	06:31:07	Lance Carbon		3.75	
	6:32	06:38:07	Tapping		5.98	
					Days	250.00
					Nights	250.00
						70%
						70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/2/2023

heat	start_time	end_time	obser	reason	duration	note
63232531	6:38	06:41:27	1st Charge		3.33	
	6:57	06:58:56	2nd Charge		1.57	
	7:29	07:30:33			0.72	
	7:34	07:44:23	Tapping		10.37	
63232532	7:44	07:47:23	1st Charge		3.00	
	7:47	07:49:08	Electrode Slip		1.75	
	7:52	08:01:53	Add Electrode		9.75	Added hot with 1617 (7/2/2023 08:02 Tim Maclin)
	8:04	08:04:29			0.00	
	8:14	08:16:09	2nd Charge		1.57	
	8:47	08:48:45			1.07	
	8:51	08:56:41	Tapping		5.52	
63232533	8:56	09:00:11	1st Charge		3.50	
	9:15	09:16:43	2nd Charge		1.60	
	9:47	09:48:22	Carbon Boil		0.57	
	9:51	09:53:11	Take Temperature		1.22	
	9:53	09:59:01	Tapping		5.83	
63232534	9:59	10:02:01	1st Charge		3.00	
	10:02	10:10:10	Wait on DJJ		8.15	Waiting on truck to complete the charge. (7/2/2023 10:12 Tim Maclin)
	10:25	10:27:10	2nd Charge		1.73	
	11:01	11:08:09	Tapping		6.83	
63232535	11:08	12:54:33	1st Charge		106.40	Had to tunaround to rerun HMI and rerun air supply line on strand 4 pusher. (7/2/2023 14:42 Tim Maclin)
	13:10	13:11:56	2nd Charge		1.62	
	13:39	14:57:51			78.50	Had to rewire HMI and rerun air supply line on strand 4 pusher. (7/2/2023 14:40 Tim Maclin)
	15:06	15:08:03	Lab-Sample		1.90	Checking for led. (7/2/2023 15:15 Tim Maclin)
	15:14	15:16:52	Lance Taphole		2.83	
	15:18	15:25:22	Tapping		7.32	
63232536	15:25	15:29:20	1st Charge		3.97	
	15:45	15:46:42	2nd Charge		1.63	
	16:22	16:31:24	Tapping		9.13	
63232537	16:31	16:33:24	Pack Tap Hole		2.00	
	16:33	17:02:24	Plugged		29.00	unstopping dolo (7/2/2023 17:13 Tim Maclin)
	17:02	17:04:24	Drop Start Bucket		2.00	
	17:04	17:18:21	Other		13.95	qmos problem but we were running (7/2/2023 17:19 Tim Maclin)
	17:21	17:22:54	2nd Charge		1.72	
	18:00	18:08:03	Tapping		7.90	
63232538	18:08	18:13:11	1st Charge		5.13	
	18:16	18:21:02	Add Electrode		4.70	
	18:33	18:34:43	2nd Charge		1.70	
	19:06	19:17:18	Tapping		10.38	
63232539	19:17	19:38:09	Plugged		20.85	
	19:53	19:55:41	2nd Charge		1.83	
	20:31	20:38:16	Tapping		6.58	
63232540	20:38	20:41:53	1st Charge		3.62	
	20:57	20:58:59	2nd Charge		1.80	
	21:29	21:30:05	Carbon Boil		0.90	
	21:35	21:38:04	Lance Taphole		3.03	
	21:38	21:44:04	Tapping		6.00	
63232541	21:44	21:47:17	1st Charge		3.22	
	22:02	22:04:05	2nd Charge		1.80	
	22:31	22:41:26	Plate Change		9.65	
	22:45	22:47:39	Plate Change		1.98	
	22:50	22:56:53	Lance Taphole		6.48	
63232542	22:56	23:00:59	1st Charge		4.10	
	23:15	23:17:40	2nd Charge		1.87	
	23:52	23:59:21	Tapping		6.87	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/3/2023

heat	start time	end time	obser	reason	duration	note
63232543	23:59	00:06:21	1st Charge		7.00	
	0:06	13:01:43	Other		775.37	No ladies in service out for wellblocks due to refractory crane being down the last 3 days. (7/3/2023 00:56 Tim MacLin) (7/3/2023 12:58 Richard Phelps)
	13:02	13:16:57	Electrode Break	Pin Break	14.62	
	13:35	13:36:46	2nd Charge		1.50	
	13:36	13:37:46	Other		1.00	reset resolvers (7/3/2023 13:39 Richard Phelps)
	14:16	14:20:23	Lance Carbon		3.67	
	14:22	14:24:36	Lance Taphole		2.02	
	14:24	14:33:17	Tapping		8.68	
63232544	14:33	14:36:49	1st Charge		3.53	
	14:53	14:54:51	2nd Charge		1.50	
	14:54	14:55:12	Other		0.35	resolvers (7/3/2023 14:56 Richard Phelps)
	15:30	15:32:01	Lance Taphole		1.65	
	15:32	15:37:56	Tapping		5.92	
63232545	15:37	15:40:56	1st Charge		3.00	
	15:40	15:42:31	Electrode Slip		1.58	
	15:57	15:59:28	2nd Charge		1.60	
	16:31	16:33:39	Lance Carbon		2.30	
	16:34	16:35:52	Lance Carbon		1.20	
	16:35	16:41:59	Tapping		6.12	
63232546	16:41	16:44:59	1st Charge		3.00	
	16:44	16:45:22	Pack Tap Hole		0.38	
	17:00	17:02:07	2nd Charge		1.60	
	17:32	17:33:39	Carbon Boil		0.68	
	17:33	17:33:46			0.00	
	17:37	17:38:13	Lance Carbon		0.97	
	17:38	17:43:31	Tapping		5.30	
63232547	17:43	17:46:31	1st Charge		3.00	
	17:46	17:47:31	Pack Tap Hole		1.00	
	17:47	17:48:43	Electrode Slip		1.20	
	17:51	17:55:10	Add Electrode		4.08	s (7/3/2023 17:57 Richard Phelps s1410 (7/3/2023 17:58 Richard Phelps)
	18:08	18:10:26	2nd Charge		1.57	
	18:37	18:38:15	Carbon Boil		0.75	
	18:43	18:43:54			0.78	
	18:44	18:52:18	Tapping		7.72	
63232548	18:52	18:55:18	1st Charge		3.00	
	18:55	18:56:20	Electrode Slip		1.03	
	19:11	19:13:12	2nd Charge		1.60	
	19:44	19:45:40	Carbon Boil		0.87	
	19:46	19:48:55	Lance Carbon		2.00	
	19:48	19:55:20	Tapping		6.42	
63232549	19:55	19:58:20	1st Charge		3.00	
	19:58	19:58:56	Electrode Slip		0.60	
	19:58	19:59:40	Electrode Slip		0.73	
	20:08	20:09:01	Electrodes Moving Slow		0.03	
	20:14	20:16:26	2nd Charge		1.60	
	20:31	20:31:33	Cave In		0.05	
	20:52	20:56:33	Tapping		4.53	
63232550	20:56	20:59:33	1st Charge		3.00	
	20:59	21:00:33			1.00	Put up runner fill. (7/3/2023 21:02 Tim MacLin)
	21:16	21:20:05	2nd Charge		3.95	
	21:50	21:51:13	Carbon Boil		1.15	
	21:51	21:51:18			0.00	
	21:55	22:01:30	Tapping		6.08	
63232551	22:01	22:04:30	1st Charge		3.00	
	22:04	22:06:23	Electrode Slip		0.98	
	22:21	22:22:58	2nd Charge		1.78	
	22:52	22:53:25	Carbon Boil		0.72	
	22:55	22:56:16	Take Temperature		0.33	
	22:57	23:03:07	Tapping		5.92	
63232552	23:03	23:06:29	1st Charge		3.37	
	23:21	23:22:47	2nd Charge		1.58	
	23:52	23:53:11	Carbon Boil		0.65	
	23:56	23:57:49	Lance Carbon		1.15	
	23:58	00:03:12	Tapping		4.55	
63232553	0:03	00:06:12	1st Charge		3.00	
	0:06	00:11:37	Wet Scrap		5.42	Put out fire on eastside and worked slag off of C phase arm. (7/4/2023 00:13 Tim MacLin)
	0:26	00:27:47	2nd Charge		1.67	
	1:01	01:02:45	Take Temperature		1.27	
	1:03	01:08:00	Tapping		4.50	
63232554	1:08	01:11:00	1st Charge		3.00	
	1:11	01:12:00	Electrode Slip		1.00	
	1:12	01:13:00	Electrode Slip		1.00	
	1:13	01:14:42	Electrode Slip		1.70	
	1:28	01:30:42	2nd Charge		1.83	
	2:03	02:08:47	Tapping		4.95	
63232555	2:08	02:12:32	1st Charge		3.75	
	2:26	02:28:20	2nd Charge		1.50	
	2:28	02:29:28	Mash & Mag	Dropped Charge Off-Center	1.13	
	2:33	02:35:44	Mash & Mag	Dropped Charge Off-Center	2.47	
	3:03	03:04:05	Take Temperature		0.98	
	3:06	03:10:55	Tapping		4.77	
63232556	3:10	03:13:55	1st Charge		3.00	
	3:13	03:16:54	Plugged		2.98	
	3:30	03:32:17	2nd Charge		1.50	
	3:32	03:34:44	Mash With Bucket	Excessive Build-Up	2.45	
	4:02	04:03:49	Carbon Boil		0.87	
	4:10	04:14:39	Tapping		4.43	
63232557	4:14	04:17:39	1st Charge		3.00	
	4:17	04:19:22	Electrode Slip		1.72	
	4:22	04:30:03	Add Electrode		7.47	Added 1404 to tank (7/4/2023 04:36 Tim MacLin)
	4:42	04:45:13	2nd Charge		2.25	
	5:17	05:21:43	Tapping		4.48	
63232558	5:21	05:24:43	1st Charge		3.00	
	5:24	05:36:25	Gunned Furnace		11.70	
	5:51	05:53:48	2nd Charge		1.93	
	6:05	06:05:35			0.02	
	6:29	06:34:56	Tapping		5.47	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/4/2023

heat	start time	end time	obser	reason	duration	note
63232559	6:34	06:37:56	1st Charge		3.00	
	6:37	06:39:14	Electrode Slip		1.30	
	6:39	06:40:22	Electrode Slip		1.13	
	6:55	06:56:59	2nd Charge		1.50	
	7:31	07:33:35			1.63	
	7:34	07:38:58	Tapping		4.30	
63232560	7:38	07:41:58	1st Charge		3.00	
	7:41	07:48:23			6.42	had something in the roll had to run it up and down to break it lose (7/4/2023 10:17 Tim MacLin)
	7:51	07:51:34			0.15	had to run number 2 up and down had something in the roll (7/4/2023 10:15 Tim MacLin)
	8:04	08:06:23	2nd Charge		1.53	
	8:39	08:44:23	Tapping		4.40	
63232561	8:44	08:47:23	1st Charge		3.00	
	8:47	09:11:43	Gunned Furnace		24.33	
	9:27	09:28:40	2nd Charge		1.53	
	10:03	10:08:00	Tapping		4.82	
	10:08	10:11:00	1st Charge		3.00	
63232562	10:11	10:12:51	Electrode Slip		1.85	
	10:26	10:27:47	Breakdown		1.40	hose blow off at number 3 burner (7/4/2023 10:36 Tim MacLin)
	10:28	10:30:20	2nd Charge		1.50	
	10:30	10:34:24	Breakdown		4.07	hose came off at number 3 burner had to hold up and let them put it back on (7/4/2023 10:38 Tim MacLin)
	11:08	11:14:39	Tapping		5.92	
63232563	11:14	11:28:59	1st Charge		14.33	
	11:43	11:45:11	2nd Charge		1.55	
	12:18	12:19:13			0.50	
	12:19	12:19:21			0.00	
	12:21	12:29:01	Tapping		7.77	
63232564	12:29	12:32:01	1st Charge		3.00	
	12:32	12:32:58	Electrode Slip		0.95	
	12:34	12:43:58	Add Electrode		9.20	added hot (7/4/2023 12:37 Tim MacLin)
	12:56	12:58:24	2nd Charge		1.52	
	13:29	13:29:41	Carbon Boil		0.63	
63232565	13:31	13:33:41	Lance Carbon		2.35	
	13:33	13:38:27	Tapping		4.77	
	13:38	13:41:35	1st Charge		3.13	
	13:56	13:58:13	2nd Charge		1.55	
	14:31	14:32:56	Lance Carbon		1.30	
63232566	14:34	14:35:14	Lance Carbon		1.07	
	14:35	14:39:40	Tapping		4.43	
	14:39	14:42:40	1st Charge		3.00	
	14:42	14:43:54	Electrode Slip		1.23	
	14:46	14:50:23	Add Electrode		4.20	s1405 (7/4/2023 14:50 Tim MacLin)
63232567	15:03	15:04:54	2nd Charge		1.55	
	15:37	15:41:04	Lance Carbon		3.70	
	15:41	15:41:25			0.00	
	15:42	15:46:37	Tapping		4.12	
	15:46	15:50:53	1st Charge		4.27	
63232568	16:06	16:07:30	2nd Charge		1.43	
	16:41	16:42:24	Lance Carbon		1.02	
	16:42	16:45:17	Plate Charge		2.88	
	16:46	16:51:07	Tapping		4.90	
	16:51	16:54:16	1st Charge		3.15	
63232569	17:09	17:11:21	2nd Charge		1.48	
	17:44	17:45:33	Lance Carbon		1.02	
	17:45	17:46:10	Plate Charge		0.62	
	17:47	17:50:20	Plate Charge		3.00	
	17:50	17:54:38	Tapping		4.30	
63232570	17:54	17:58:02	1st Charge		3.40	
	18:12	18:14:24	2nd Charge		1.55	
	18:40	18:48:03	Breakdown		7.22	
	18:51	18:52:53	Carbon Boil		1.20	
	18:55	18:56:25	Taking Sample TMSD		0.93	
63232571	18:57	19:00:27	Push Door		2.50	Could not get temp. (7/4/2023 19:03 Tim MacLin)
	19:00	19:04:44	Tapping		4.28	
	19:04	19:07:44	1st Charge		3.00	
	19:07	19:09:06			1.37	Put up runner fill. (7/5/2023 06:38 Tim MacLin)
	19:24	19:25:37	2nd Charge		1.55	
63232572	19:58	20:01:12	Lance Taphole		2.50	
	20:01	20:04:33	Tapping		3.52	
	20:04	20:07:43	1st Charge		3.00	
	20:07	20:09:44	Push Door		2.02	
	20:24	20:26:29	2nd Charge		1.55	
63232573	20:55	20:56:19	Carbon Boil		0.35	
	20:56	20:59:32	Carbon Boil		2.78	
	21:02	21:08:36	Tapping		5.70	
	21:08	21:11:48	1st Charge		3.20	
	21:26	21:28:18	2nd Charge		1.50	
63232574	22:01	22:05:24	Tapping		4.30	
	22:05	22:08:24	1st Charge		3.00	
	22:08	22:09:00	Electrode Slip		0.60	
	22:09	22:09:42	Electrode Slip		0.70	
	22:09	22:10:35	Electrode Slip		0.88	
63232575	22:25	22:26:50	2nd Charge		1.57	
	22:54	22:54:49	Carbon Boil		0.77	
	22:59	23:05:28	Tapping		6.03	
	23:05	23:08:47	1st Charge		3.32	
	23:22	23:24:12	2nd Charge		1.43	
63232576	23:52	23:53:15	Carbon Boil		1.15	
	23:57	00:01:51	Crane Busy		3.88	
	0:01	00:05:34	Tapping		3.72	
	0:05	00:08:34	1st Charge		3.00	
	0:08	00:12:46	Lab-Sample		4.20	Checking for led. (7/5/2023 00:13 Tim MacLin)
63232577	0:26	00:28:08	2nd Charge		1.62	
	0:58	00:59:06	Carbon Boil		0.78	
	1:01	01:04:07	Tapping		3.00	
	1:04	01:09:04	Tapping		4.95	
	1:09	01:12:36	1st Charge		3.53	
63232578	1:27	01:29:13	2nd Charge		1.48	
	2:01	02:09:08	Plate Charge		7.48	
	2:11	02:14:37	Plate Charge		3.00	
	2:14	02:19:48	Tapping		5.18	
	2:19	02:22:48	1st Charge		3.00	
63232579	2:22	02:23:24	Electrode Slip		0.60	
	2:23	02:24:06	Electrode Slip		0.70	
	2:24	02:25:05	Electrode Slip		0.98	
	2:39	02:40:52	2nd Charge		1.58	
	3:09	03:10:21	Carbon Boil		0.85	
63232579	3:16	03:20:45	Tapping		4.48	
	3:20	03:24:02	1st Charge		3.28	
	3:37	03:39:24	2nd Charge		1.60	
	4:06	04:07:49	Carbon Boil		0.93	
	4:11	04:14:34	Lance Taphole		3.00	
63232579	4:14	04:20:59	Tapping		6.42	
	4:20	05:23:34			62.58	Caster lost power (due to bunny cart) it shut off the ladle, and tundish ran out of steel. (7/5/2023 06:34 Tim MacLin)
	5:26	05:32:15			5.93	Caster lost power (due to bunny cart) it shut off the ladle, and tundish ran out of steel. Partial pourback 93tons. (7/5/2023 06:35 Tim MacLin)
	5:55	05:58:46	Lab-Sample		3.00	(7/5/2023 07:39 Williams, Ronny)
	5:58	06:04:56	Tapping		6.17	
					250.00	70%
					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/5/2023

heat	start_time	end_time	obser	reason	duration	note
63232580	6:04	06:14:56	Gunned Furnace		10.00	Gunned for pourback. (7/5/2023 06:28 Tim MacLin)
	6:14	06:24:14			9.30	Caster lost power (due to bunny cart) it shut off the ladle, and tundish ran out of steel. (7/5/2023 06:34 Tim MacLin)
	6:27	06:48:03			21.05	
	6:51	07:02:39			10.77	
63232581	7:11	07:13:04			1.40	
	7:17	07:19:32	2nd Charge		1.58	
	7:43	08:08:03	Blank	Superheat	24.42	
	8:20	08:22:11	Recarb		1.97	
	8:22	08:29:56	Tapping		7.75	
63232582	8:29	08:32:56	1st Charge		3.00	
	8:32	08:44:31	Gunned Furnace		11.58	gunned tap hole (7/5/2023 08:45 Tim MacLin)
	8:47	08:51:43	Add Electrode		4.17	s1345 (7/5/2023 08:50 Tim MacLin)
	9:04	09:06:12	2nd Charge		1.55	
	9:36	09:37:30	Carbon Boil		0.70	
	9:43	09:51:06	Tapping		8.08	
63232583	9:51	09:54:06	1st Charge		3.00	
	9:54	10:24:52	Water Panel	Water Leak	30.77	delta ring (7/5/2023 10:23 Tim MacLin)
	10:39	10:41:09	2nd Charge		1.52	
	11:10	11:10:42	Carbon Boil		0.60	
	11:15	11:17:18	Lance Carbon		2.22	
	11:17	11:23:14	Tapping		5.93	
63232584	11:23	11:27:45	1st Charge		4.52	
	11:42	11:44:05	2nd Charge		1.53	
	11:52	11:52:35	Electrodes Moving Slow		0.02	
	12:14	12:15:06	Carbon Boil		0.68	
	12:19	12:19:17	Electrodes Moving Slow		0.07	
	12:19	12:23:04	Lance Taphole		3.28	
	12:23	12:28:42	Tapping		5.63	
63232585	12:28	12:31:42	1st Charge		3.00	
	12:31	13:00:01	Gunned Furnace		28.32	
	13:15	13:17:04	2nd Charge		1.55	
	13:27	14:04:25	Froze Off		37.13	
	14:29	14:30:42	Recarb		1.43	
	14:30	14:41:19	Tapping		10.62	
63232586	14:41	14:44:19	1st Charge		3.00	
	14:44	14:58:12	Pourback	Caster Operational Failure	13.88	
	15:05	15:10:27	Lance Carbon		5.13	
	15:10	15:18:41	Lab-Sample		8.23	
	15:26	15:33:54	Tapping		7.83	
63232587	15:33	15:37:41	1st Charge		3.78	
	15:52	15:54:22	2nd Charge		1.52	
	16:03	16:04:00	Electrodes Moving Slow		0.02	
	16:26	16:27:37	Carbon Boil		1.40	
	16:27	16:28:25			0.80	
	16:30	16:32:50	Lance Carbon		2.37	
	16:33	16:39:32	Tapping		5.70	
63232588	16:39	16:42:41	1st Charge		3.15	
	16:58	16:59:51	2nd Charge		1.62	
	17:24	17:33:43			9.12	
	17:42	17:45:03	Lance Carbon		2.35	
	17:46	17:48:11	Lance Carbon		1.95	
	17:48	17:53:48	Tapping		5.62	
63232589	17:53	17:57:04	1st Charge		3.27	
	18:12	18:14:16	2nd Charge		1.65	
	18:47	18:48:42	Lance Carbon		1.35	
	18:48	18:54:00	Tapping		5.30	
63232590	18:54	19:01:05	1st Charge		7.08	
	19:13	19:15:38	2nd Charge		1.72	
	19:45	19:46:33	Carbon Boil		0.77	
	19:49	19:50:35	Lance Carbon		1.47	
	19:51	19:58:05	Tapping		7.02	
63232591	19:58	20:01:05	1st Charge		3.00	
	20:01	20:09:57	Breakdown	Hydraulics	8.87	Changed clamp hose. (7/5/2023 20:24 Tim MacLin)
	20:11	20:15:29	Add Electrode		3.60	Added 1343 to tank (7/5/2023 20:25 Tim MacLin)
	20:15	20:23:03	Add Electrode		7.57	Added hot with 1346 (7/5/2023 20:26 Tim MacLin)
	20:35	20:37:05	2nd Charge		1.62	
	21:09	21:13:58	Tapping		4.47	
63232592	21:13	21:17:29	1st Charge		3.52	
	21:31	21:32:45	2nd Charge		1.57	
	22:04	22:12:16			7.63	
	22:14	22:15:19			0.90	
	22:16	22:20:30	Tapping		3.98	
63232593	22:20	22:23:30	1st Charge		3.00	
	22:23	22:25:30	Push Door		2.00	
	22:39	22:41:47	2nd Charge		1.88	
	23:12	23:13:29	Carbon Boil		0.70	
	23:15	23:17:30	Take Temperature		2.00	
	23:17	23:20:40	Tapping		3.17	
63232594	23:20	23:28:14	1st Charge		7.57	
	23:42	23:46:07	2nd Charge		3.72	
	0:18	00:24:24	Tapping		5.62	
63232595	0:24	00:27:53	1st Charge		3.48	
	0:42	00:43:52	2nd Charge		1.67	
	1:17	01:21:25	Tapping		4.07	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/6/2023

heat	start time	end time	obser	reason	duration	note
63232596	1:21	18:04:06	Downday		1002.68	
	18:22	18:23:50	2nd Charge		1.50	
	18:23	18:32:14	Cold Furnace Start Up		8.40	
	18:46	18:53:05	Cold Furnace Start Up		6.42	
	19:04	19:10:22	Cold Furnace Start Up		6.18	
	19:16	19:20:43	Carbon Boil		3.80	
	19:23	19:23:42			0.20	
	19:23	19:28:31	Cold Furnace Start Up		4.67	
	19:28	19:28:43	Take Temperature		0.08	
	19:32	19:33:42	Take Temperature		0.87	
	19:34	19:34:46	Take Temperature		0.28	
	19:35	19:40:58	Tapping		5.72	
63232597	19:40	19:43:55	1st Charge		2.95	
	20:00	20:02:59	2nd Charge		2.43	
	20:33	20:34:44	Carbon Boil		1.13	
	20:38	20:39:27	Take Temperature		0.80	
	20:40	20:46:47	Tapping		6.38	
63232598	20:46	20:49:33	1st Charge		2.77	
	21:06	21:10:20	2nd Charge		4.25	
	21:36	21:41:48	Other		4.87	
	21:46	21:48:03	Carbon Boil		1.33	
	21:50	21:58:41	Tapping		7.90	
63232599	21:58	22:01:54	1st Charge		3.22	
	22:18	22:20:30	2nd Charge		1.80	
	22:31	22:31:22	Take Temperature		0.02	
	22:51	22:52:32	Take Temperature		0.85	
	22:53	23:01:02	Tapping		7.48	
63232600	23:01	23:05:37	1st Charge		4.58	
	23:22	23:26:49	2nd Charge		4.20	
	23:56	00:05:49	Tapping		9.37	
63232601	0:05	00:10:17	1st Charge		4.47	
	0:27	00:29:02	2nd Charge		1.50	
	0:29	00:32:45	Breakdown		3.72	hose blew off maint said it wasnt put on correctly (7/7/2023 00:46 Ben Gearin)
	0:56	00:59:03	Other		2.63	
	1:04	01:06:04	Carbon Boil		1.35	
	1:07	01:10:04			2.25	
	1:10	01:17:23	Tapping		6.62	
63232602	1:17	01:20:34	1st Charge		3.18	
	1:33	01:33:02			0.00	
	1:37	01:39:38	2nd Charge		1.80	
	2:03	02:10:01	Cleaning Ladle Lip		6.03	
	2:16	02:23:26	Push Door		6.80	
	2:24	02:25:41	Carbon Boil		1.23	
	2:27	02:34:58	Tapping		7.37	
63232603	2:34	02:37:55	1st Charge		2.95	
	2:55	02:58:33	2nd Charge		3.13	
	3:30	03:31:50	Carbon Boil		1.13	
	3:32	03:43:21	Tapping		10.50	
63232604	3:43	03:48:15	1st Charge		4.90	
	3:51	03:54:49	Add Electrode		3.67	1409 trode added ...electrode page messed up (7/7/2023 03:53 CLAYBROOKS, KENDRICK)
	4:09	04:11:37	2nd Charge		1.72	
	4:33	04:37:09	Plate Change		3.58	
	4:43	04:44:56	Carbon Boil		1.90	
	4:46	04:47:38			0.80	
	4:48	04:53:57	Tapping		5.95	
63232605	4:53	04:57:14	1st Charge		3.28	
	5:13	05:15:44	2nd Charge		1.85	
	5:38	05:45:11	Plate Change		6.20	
	5:50	05:52:33	Carbon Boil		2.20	
	5:54	06:02:14	Tapping		7.43	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/7/2023

heat	start_time	end_time	obser	reason	duration	note
63232606	6:02	06:05:20	1st Charge		3.10	
	6:22	06:24:08	2nd Charge		1.75	
	6:30	06:30:10	Lance Carbon		0.05	
	6:32	06:54:29	Carbon Boil		1.98	
	6:54	06:54:36			0.02	
63232607	6:56	07:03:06	Tapping		6.82	
	7:03	07:06:02	1st Charge		2.93	
	7:20	07:22:27	2nd Charge		1.67	
	7:34	07:34:52	Electrodes Moving Slow		0.02	
	7:54	07:54:35	Carbon Boil		0.25	
63232608	7:54	08:00:11	Lance Carbon		5.47	
	8:00	08:08:19	Lance Taphole		8.13	
	8:08	08:12:51	1st Charge		3.70	
	8:12	08:12:22	Electrode Slip		0.35	
	8:19	08:19:03			0.00	
63232609	8:28	08:30:38	2nd Charge		1.77	
	9:01	09:02:16	Carbon Boil		0.75	
	9:03	09:11:59	Lance Carbon		8.87	
	9:11	09:15:40	1st Charge		3.68	
	9:31	09:33:08	2nd Charge		1.78	
63232610	10:05	10:19:45	Lance Carbon		14.65	
	10:19	10:23:22	1st Charge		3.62	
	10:39	10:40:39	2nd Charge		1.60	
	11:14	11:18:24	Ricarb		4.00	
	11:18	11:24:48	Tapping		6.40	
63232611	11:24	11:29:31	1st Charge		4.72	
	11:45	11:46:35	2nd Charge		1.50	
	12:18	12:22:27	Lance Carbon		4.20	
	12:22	12:27:39	Tapping		5.20	
	12:27	12:30:49	1st Charge		3.17	
63232612	12:46	12:47:54	2nd Charge		1.55	
	13:19	13:32:01	Lance Carbon		12.32	
	13:32	13:36:21	1st Charge		4.33	
	13:43	13:43:55	Electrodes Moving Slow		0.02	
	13:51	13:53:28	2nd Charge		1.65	
63232613	14:23	14:25:14	Carbon Boil		2.03	
	14:27	14:28:29	Lance Carbon		1.10	
	14:28	14:35:23	Tapping		6.90	
	14:35	14:38:50	1st Charge		3.45	
	14:53	14:55:38	2nd Charge		1.67	
63232614	15:26	15:26:44	Carbon Boil		0.52	
	15:26	15:26:57	Electrodes Moving Slow		0.12	
	15:29	15:30:48	Take Temperature		1.35	
	15:30	15:37:03	Tapping		6.25	
						Pipe broke from furnace after scrap feel on it under duct. (7/7/2023 15:42 Richard Phelps)
63232615	15:37	15:53:59	Breakdown		16.93	
	16:09	16:11:30	2nd Charge		1.60	
	16:43	16:46:28	Lance Taphole		3.00	
	16:46	16:52:16	Tapping		5.60	
	16:52	16:55:58	1st Charge		3.70	
63232616	16:55	16:56:34	Electrode Slip		0.60	
	16:56	16:56:55	Electrode Slip		0.35	
	16:58	17:02:47	Add Electrode		3.85	
	17:16	17:17:57	2nd Charge		1.48	
	17:48	17:49:43	Carbon Boil		0.98	
63232617	17:49	17:49:53	Electrodes Moving Slow		0.05	
	17:51	17:53:52	Lance Taphole		2.23	
	17:53	18:00:01	Tapping		6.15	
	18:00	18:02:51	1st Charge		2.83	
	18:17	18:18:30	2nd Charge		1.50	
63232618	18:24	18:26:33	Breakdown		2.55	
	18:49	18:50:28	Carbon Boil		0.90	
	18:54	19:01:05	Tapping		6.62	
	19:01	19:04:23	1st Charge		3.30	
	19:21	19:23:00	2nd Charge		1.75	
63232619	19:51	19:51:58	Carbon Boil		0.77	
	19:52	19:52:09	Carbon Boil		0.10	
	19:54	19:55:05	Take Temperature		0.58	
	19:56	20:03:56	Tapping		7.83	
	20:03	20:06:56	1st Charge		3.00	
63232620	20:06	20:17:07	Ran Slinger		10.18	
						put a in b 1405...a new trode number is 1354...new tank number is 1353 (7/8/2023 00:18 Richard Phelps)
	20:20	20:27:06	Add Electrode		6.38	
	20:39	20:41:27	2nd Charge		1.68	
	20:47	20:47:27	Carbon Boil		0.02	
63232621	21:14	21:15:15	Carbon Boil		1.13	
	21:16	21:25:48	Tapping		9.05	
	21:25	21:29:36	1st Charge		3.80	
	21:46	21:47:56	2nd Charge		1.65	
	22:18	22:18:55	Carbon Boil		0.83	
63232622	22:21	22:29:11	Tapping		7.68	
	22:29	22:32:23	1st Charge		3.20	
	22:48	22:50:19	2nd Charge		1.67	
	23:20	23:21:06	Carbon Boil		1.02	
	23:23	23:29:28	Tapping		5.80	
63232623	23:29	23:32:37	1st Charge		3.15	
	23:49	23:50:55	2nd Charge		1.68	
	0:20	00:22:04	Carbon Boil		1.42	
	0:24	00:31:17	Tapping		7.12	
	0:31	00:36:20	1st Charge		5.05	
63232624	0:49	00:49:55	1st Charge		0.02	
	0:52	00:55:21	2nd Charge		3.10	
	1:25	01:25:33	Carbon Boil		0.55	
	1:27	01:33:01	Tapping		5.33	
	1:33	01:36:36	1st Charge		3.58	
63232625	1:52	01:54:16	2nd Charge		1.73	
	2:22	02:23:31	Carbon Boil		0.82	
	2:26	02:26:26			0.27	
	2:27	02:33:43	Tapping		6.30	
	2:33	02:36:35	1st Charge		2.67	
63232626	2:51	02:53:40	2nd Charge		1.72	
	3:22	03:23:40	Carbon Boil		1.03	
	3:27	03:33:29	Tapping		6.18	
	3:33	03:37:41	1st Charge		4.20	
	3:53	03:54:56	2nd Charge		1.78	
63232627	4:24	04:25:08	Carbon Boil		0.92	
	4:25	04:25:16			0.05	
	4:27	04:33:37	Tapping		6.02	
	4:33	04:36:26	1st Charge		2.82	
	4:51	04:53:45	2nd Charge		1.77	
63232628	5:22	05:23:56	Carbon Boil		1.03	
	5:26	05:32:21	Tapping		5.90	
	5:32	05:36:53	1st Charge		4.53	
						put 1353 in b 1344 is new spare (7/8/2023 05:54 Richard Phelps)
	5:39	05:43:14	Add Electrode		3.50	
	5:56	05:57:43	2nd Charge		1.88	
	6:29	06:34:18	Tapping		4.60	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/8/2023

heat	start time	end time	obser	reason	duration	note
63232629	6:34	06:37:18	1st Charge		3.00	
	6:37	06:55:34	Gunned Furnace		18.27	
	7:06	07:10:53	Break down		4.08	Tripped out (7/8/2023 07:08 Richard Phelps)
	7:15	07:17:33	2nd Charge		1.95	
	7:46	07:47:21	Carbon Boil		0.75	
	7:53	07:54:47	Lance Taphole		0.92	
	7:54	08:00:17	Tapping		5.50	
63232630	8:00	08:02:15	Pack Tap Hole		1.97	
	8:02	08:05:13	Plugged		2.97	No.2 mgo plugged maint working on it. (7/8/2023 08:03 Richard Phelps)
	8:05	08:08:01	Drop Start Bucket		2.80	
	8:23	08:25:20	2nd Charge		2.07	
	8:56	08:57:10	Take Temperature		1.15	
	8:58	09:00:18	Carbon Boil		1.33	
	9:02	09:11:14	Tapping		9.08	
63232631	9:11	09:14:20	1st Charge		3.10	
	9:29	09:31:34	2nd Charge		2.08	
	10:05	10:09:14	Lance Carbon		3.80	
	10:09	10:15:46	Tapping		5.83	
	10:15	10:19:37	1st Charge		3.85	
63232632	10:35	10:40:25	Breakdown		4.68	Chain broke on northside of bucket. (7/8/2023 10:40 Richard Phelps)
	10:40	10:41:49	2nd Charge		1.40	
	11:11	11:12:46	Carbon Boil		1.23	
	11:15	11:23:11	Tapping		7.30	
	11:23	11:26:41	1st Charge		3.50	
	11:42	11:44:30	2nd Charge		2.00	
	12:14	12:15:32	Carbon Boil		0.58	
63232633	12:15	12:15:51	Take Temperature		0.23	
	12:19	12:28:30	Tapping		9.15	
	12:28	12:32:12	1st Charge		3.70	
	12:32	12:32:42	Electrode Slip		0.50	
	12:32	12:33:02	Electrode Slip		0.33	
	12:48	12:50:15	2nd Charge		1.65	
	12:50	12:55:32	Mash With Bucket	Excessive Build-Up	5.28	
63232634	13:28	13:28:44	Take Temperature		0.45	
	13:29	13:43:54	Lance Carbon		13.95	
	13:43	13:48:48	Tapping		4.90	
	13:48	14:10:43	Gunned Furnace		21.92	
	14:10	14:14:34	Pack Tap Hole		3.85	
	14:30	14:32:20	2nd Charge		1.80	
	14:32	14:33:13	Mag Bezel Ring	Excessive Build-Up	0.89	
63232635	15:05	15:08:30	Lance Carbon		2.53	
	15:09	15:17:33	Lance Taphole		8.20	
	15:17	15:20:55	1st Charge		3.37	
	15:38	15:39:06	2nd Charge		1.00	
	15:39	15:42:13	Mash With Bucket	Dropped Charge Off-Center	3.12	mashing (7/8/2023 15:41 Richard Phelps)
	16:15	16:17:24	Lance Taphole		1.42	
	16:17	16:23:20	Tapping		5.93	
63232637	16:23	16:35:20	Plugged		12.00	
	16:35	16:37:08	Electrode Slip		1.80	
	16:37	16:37:50	Electrode Slip		0.70	
	16:37	16:42:04	Mash With Bucket	Excessive Build-Up	4.23	
	16:58	17:01:15	2nd Charge		2.40	Back up crane operator. (7/8/2023 17:01 Richard Phelps)
	17:33	17:34:05	Tapping		1.00	
	17:34	17:40:01	1st Charge		5.10	
63232638	17:40	17:44:02	1st Charge		4.02	
	18:00	18:02:15	2nd Charge		2.07	
	18:34	18:35:01	Take Temperature		0.67	
	18:35	18:41:30	Lance Taphole		6.40	
	18:41	18:45:12	1st Charge		3.70	
	18:45	18:45:48	Electrode Slip		0.80	
	18:45	18:46:06	Electrode Slip		0.30	
63232639	18:53	18:58:59	Break down		5.87	
	19:08	19:09:58	2nd Charge		1.82	
	19:42	19:42:14	Tapping		0.17	
	19:43	19:47:51	Tapping		4.62	
	19:47	19:53:44	1st Charge		5.88	
	19:55	19:58:41	Add Electrode		3.30	put c in b 1353....but 1344 in c... new tank is 1349 (7/8/2023 20:08 Richard Phelps)
	19:58	20:02:07	Add Electrode		3.43	
63232641	20:16	20:18:40	2nd Charge		1.78	
	20:49	20:57:23	Tapping		7.63	
	20:57	21:01:26	1st Charge		4.05	
	21:18	21:20:06	2nd Charge		1.80	
	21:50	21:50:53	Carbon Boil		0.42	
	21:52	21:58:13	Tapping		5.35	
	21:58	22:02:34	1st Charge		4.35	
63232642	22:04	22:08:27	Add Electrode		3.57	1349 in a...new tank 1350 (7/8/2023 22:06 Richard Phelps)
	22:20	22:20:47			0.02	
	22:22	22:23:45	2nd Charge		1.73	
	22:55	22:56:57	Carbon Boil		1.22	
	22:59	23:05:24	Tapping		5.93	
	23:05	23:08:25	1st Charge		3.02	
	23:20	23:20:37			0.00	
63232643	23:25	23:26:42	2nd Charge		1.68	
	23:58	23:59:19	Tapping		0.97	
	0:00	00:05:54			5.00	
	0:05	00:09:44	1st Charge		3.83	
	0:19	00:19:14			0.00	
	0:25	00:27:25	2nd Charge		1.67	
	0:54	00:54:57	Carbon Boil		0.57	
63232644	0:55	00:55:06			0.03	
	1:00	01:05:18	Tapping		4.77	
	1:05	01:08:19	1st Charge		3.02	
	1:24	01:25:51	2nd Charge		1.75	
	1:49	01:55:14	Plate Change		5.30	
	2:03	02:08:09	Tapping		4.90	
	2:08	02:12:40	1st Charge		4.52	
63232646	2:28	02:30:30	2nd Charge		1.85	
	2:55	03:02:21	Swap to backup ladle		6.52	
	3:04	03:05:33	Carbon Boil		0.85	
	3:11	03:18:01	Tapping		6.40	
	3:18	03:22:51	1st Charge		4.83	
	3:33	03:37:17	Break down		3.90	
	3:42	03:53:21	Mag Bezel Ring	Other	11.32	whole bunch of wire mesh and build up on top pushed on ring. (7/9/2023 03:49 Richard Phelps)
63232648	4:24	04:29:46	Tapping		5.17	
	4:29	04:32:46	1st Charge		3.00	
	4:32	04:39:21	Gunned Furnace		6.58	
	4:55	04:58:10	2nd Charge		2.55	
	5:24	05:24:59	Carbon Boil		0.45	
	5:31	05:36:05	Tapping		4.65	
	5:36	05:40:39	1st Charge		4.57	
63232649	5:57	05:59:14	2nd Charge		1.13	
	6:25	06:26:29	Carbon Boil		0.72	
	6:30	06:31:58	Carbon Boil		1.37	
	6:32	06:37:06	Tapping		4.30	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/9/2023

heat	start time	end time	obser	reason	duration	note
63232650	6:37	06:40:22	1st Charge		3.27	
	6:56	06:58:35	2nd Charge		1.70	
	7:28	07:29:53	Carbon Boil		1.20	
	7:31	07:34:43	Lance Carbon		3.07	17 carbon 2981 temp (7/9/2023 07:32 Richard Phelps)
	7:34	07:37:03	Recarb		2.33	
	7:37	07:43:29	Tapping		6.43	
63232651	7:43	08:08:29	Tundish Change Only		25.00	We ran the slinger and spot gun the fce (7/9/2023 08:27 Richard Phelps)
	8:08	08:13:29	Add Electrode		5.00	We put A phase in B phase and new trode in A phase. (7/9/2023 08:24 Richard Phelps)
	8:13	08:48:29	Tundish Change Only		35.00	
	8:48	09:36:04	Tundish Change Only		47.58	changed b phase 4 inch water line (7/9/2023 17:59 King, Brian) Preventive changeout during tundish change (7/10/2023 08:23 Stefenon, Andre)
	9:36	10:01:04	Tundish Change Only		25.00	Caster ready from turnaround (7/10/2023 08:33 Stefenon, Andre)
	10:01	11:07:27	Planned Maintenance		66.38	Extra time from turnaround to replace the 4" water line at EAF that has a damaged firesleeve, plug check slag door hyd leak. Ended up changing the Hyd Valve for the slag door too. (7/10/2023 08:34 Stefenon, Andre)
	11:07	11:13:19	Drop Start Bucket		5.87	Picking bucket up, Had slag pot cover in air for TMS to dig slag pit with excavator. (7/9/2023 11:08 Richard Phelps)
	11:13	11:17:09	Reset KWH meter		3.62	
	11:33	11:35:14	2nd Charge		1.65	
	11:35	11:47:18	Mash With Bucket	Big Scrap on Top	12.07	Swung roof on to see if it would go on, roof hung on scrap. (7/9/2023 11:40 Richard Phelps)
	11:47	11:47:30	Other		0.02	Big scrap on top, being cautions on electrodes so the don't break. (7/9/2023 11:53 Richard Phelps)
	11:47	11:48:05	Other		0.32	Big scrap on top, being cautions on electrodes so the don't break. (7/9/2023 11:53 Richard Phelps)
	11:48	11:49:32	Other		1.00	Big scrap on top, being cautions on electrodes so the don't break. (7/9/2023 11:53 Richard Phelps)
	11:50	11:50:09	Other		0.05	Big scrap on top, being cautions on electrodes so the don't break. (7/9/2023 11:53 Richard Phelps)
	12:25	12:31:37	Tapping		5.80	
63232652	12:31	12:34:40	1st Charge		3.05	
	12:49	12:51:38	2nd Charge		1.78	
	12:51	12:54:31	Mash With Bucket	Big Scrap on Top	2.88	
	13:25	13:26:40	Carbon Boil		0.87	
	13:29	13:30:47	Lance Carbon		1.68	
	13:30	13:35:15	Tapping		4.47	
63232653	13:35	13:39:49	1st Charge		4.57	
	13:55	13:57:54	2nd Charge		2.27	
	13:57	14:07:54	Breakdown		10.00	Insert blew out. (7/9/2023 13:58 Richard Phelps)
	14:40	14:42:12	Take Temperature		1.58	
	14:43	14:44:53	Take Temperature		1.15	
	14:44	14:49:00	Tapping		4.12	
63232654	14:49	14:52:20	1st Charge		3.33	
	15:09	15:10:51	Other		1.27	Coming out of pit to make pig. (7/9/2023 15:10 Richard Phelps)
	15:10	15:12:52	2nd Charge		2.02	
	15:44	15:45:24	Carbon Boil		1.12	
	15:47	15:47:57	Take Temperature		0.43	
	15:48	15:54:47	Tapping		6.08	
63232655	15:54	15:58:50	1st Charge		4.05	
	16:14	16:16:59	2nd Charge		2.03	
	16:49	16:51:10	Lance Taphole		1.73	
	16:51	16:55:43	Tapping		4.55	
	16:55	17:00:01	Breakdown		4.30	Hose leak (7/9/2023 16:58 Richard Phelps)
63232656	17:00	17:01:47	Drop Start Bucket		1.77	
	17:17	17:19:10	2nd Charge		1.83	
	17:52	17:53:09	Take Temperature		0.92	
	17:54	18:00:08	Tapping		5.33	
	18:00	18:04:22	1st Charge		4.23	
63232657	18:20	18:22:29	2nd Charge		1.98	
	18:55	18:57:06			1.63	
	18:57	19:03:17	Tapping		5.70	
	19:03	19:09:25	1st Charge		6.13	
	19:25	19:27:19	2nd Charge		1.73	
	19:58	19:59:27	Push Door		1.08	
	20:01	20:06:54	Tapping		5.62	
63232659	20:06	20:09:35	1st Charge		2.58	
	20:25	20:27:31	2nd Charge		1.73	
	20:51	20:56:23	Swap to backup ladle		5.17	
	21:06	21:11:55	Tapping		5.42	
	21:11	21:15:14	1st Charge		3.32	
63232660	21:31	21:33:33	2nd Charge		1.72	
	22:07	22:12:47	Tapping		5.68	
	22:12	22:17:17	1st Charge		4.50	
	22:19	22:23:52	Add Electrode		3.97	1347 in c 1348 new trode (7/9/2023 22:22 Richard Phelps)
	22:38	22:40:12	2nd Charge		1.80	
	23:13	23:19:21	Tapping		6.18	
63232662	23:19	23:23:33	1st Charge		4.20	
	23:40	23:42:23	2nd Charge		2.35	
	0:13	00:19:31	Tapping		5.78	
	0:19	00:23:08	1st Charge		3.62	
	0:40	00:41:47	2nd Charge		1.68	
	1:14	01:19:50	Tapping		5.07	
63232664	1:19	01:23:49	1st Charge		3.98	
	1:40	01:42:19	2nd Charge		1.73	
	2:07	02:11:53	Other		4.55	sand (7/10/2023 02:07 Richard Phelps)
	2:19	02:25:23	Tapping		5.68	
	2:25	02:28:27	1st Charge		3.07	
63232665	2:39	02:39:03			0.02	
	2:45	02:46:48	2nd Charge		1.75	
	3:19	03:26:10	Tapping		6.52	
	3:26	03:29:37	1st Charge		3.45	
	3:46	03:48:13	2nd Charge		1.72	
	4:11	04:17:31	Other		6.03	lanceing nozzle (7/10/2023 04:12 Richard Phelps)
	4:27	04:34:27	Tapping		7.42	
63232667	4:34	04:39:49	1st Charge		5.37	
	4:56	04:58:23	2nd Charge		1.70	
	5:22	05:30:24	Plate Change		8.32	
	5:37	05:38:45			1.02	
	5:40	05:40:35			0.28	
	5:41	05:44:46	Tapping		3.73	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date	7/10/2023						
heat	start time	end time	obser	reason	duration	note	
63232668	5:44	07:09:07	Section Size Change		84.35		
	7:25	07:27:23	2nd Charge		1.60		
	7:55	08:15:03			19.95		
	8:25	08:28:29	Lance Taphole		3.00		
	8:28	08:34:32	Tapping		6.05		
63232669	8:34	08:37:32	1st Charge		3.00		
	8:37	08:39:38	Electrode Slip		2.10		
63232670	8:41	08:51:11	Add Electrode		9.65	Added 1356 to top (7/10/2023 08:54 Richard Phelps)	
	9:03	09:05:19	2nd Charge		1.53		
	9:40	09:45:28	Tapping		5.32		
	9:45	09:49:19	1st Charge		3.85		
	10:04	10:06:06	2nd Charge		1.50		
63232671	10:06	10:07:30	Mash With Bucket	Excessive Build-Up	1.40		
	10:38	10:39:37	Carbon Boil		0.70		
	10:41	10:48:49	Tapping		7.00		
	10:48	10:51:49	1st Charge		3.00		
	10:51	10:55:53			4.07		
63232672	11:11	11:12:46	2nd Charge		1.70		
	11:43	11:48:33	Lab-Sample		4.85		
	11:55	11:56:13	Take Temperature		1.00		
	11:56	12:02:49	Tapping		6.60		
	12:02	12:05:18	1st Charge		2.48		
63232673	12:21	12:25:12	2nd Charge		3.32		
	12:56	13:00:40	Lab-Sample		4.05		
	13:00	13:00:45			0.00		
	13:04	13:09:37	Tapping		5.52		
	13:09	13:12:37	1st Charge		3.00		
63232674	13:12	13:17:02	Breakdown		4.42	Trying to get chrome out of the hopper. (7/10/2023 18:40 Tim MacIn)	
	13:17	13:18:02	Electrode Slip		1.00		
	13:21	13:25:24	Add Electrode		4.08	Added 1355 to tank. (7/10/2023 15:32 Tim MacIn)	
	13:37	13:39:34	2nd Charge		2.33		
	14:10	14:12:45	Lab-Sample		2.62		
14:12	14:12:53	Electrodes Moving Slow		0.03			
63232675	14:17	14:22:56	Tapping		5.73		
	14:22	14:25:56	1st Charge		3.00		
	14:25	14:45:34			19.63	Water dripping on outside of the burner. (7/10/2023 18:39 Tim MacIn)	
	14:59	14:59:15	Electrodes Moving Slow		0.02		
	15:01	15:03:07	2nd Charge		1.50		
15:03	15:03:59	Mash With Bucket	Excessive Build-Up	0.87			
15:34	15:36:45	Lab-Sample		1.93			
63232676	15:43	15:48:07	Tapping		4.97		
	15:48	15:51:07	1st Charge		3.00		
	15:51	15:55:20	Plugged		4.22		
	16:08	16:08:12	Electrodes Moving Slow		0.03		
	16:10	16:11:49	2nd Charge		1.57		
63232677	16:46	16:49:33	Lab-Sample		2.83		
	16:53	16:54:28	Take Temperature		1.00		
	16:54	17:00:29	Tapping		6.02		
	17:00	17:02:29			2.00	Put up runner. (7/10/2023 18:37 Tim MacIn)	
	17:02	17:05:51	1st Charge		3.37		
63232678	17:21	17:23:03	2nd Charge		1.62		
	17:45	18:10:14	Plate Change		14.25		
	18:16	18:23:39	Tapping		7.10		
	18:23	18:26:39	1st Charge		3.00		
	18:26	18:34:44	Gunned Furnace		8.08		
63232679	18:50	18:52:25	2nd Charge		1.47		
	18:52	18:53:45	Mash With Bucket	Dropped Charge Off-Center	1.33	mashing (7/10/2023 18:52 Tim MacIn)	
	19:25	19:33:47	Sanding Machine		8.75		
	19:33	19:33:59	Electrodes Moving Slow		0.10		
	19:36	19:38:14	Push Door		2.13		
63232680	19:39	19:46:02	Lab-Sample		6.93		
	19:50	19:55:04	Tapping		4.77		
	19:55	19:59:29	1st Charge		4.42		
	20:16	20:19:06	2nd Charge		2.52		
	20:33	20:34:50	Stirring Heat		1.08		
63232681	20:54	21:09:24	Lab-Sample		15.22		
	21:12	21:17:22	Tapping		4.60		
	21:17	21:22:05	1st Charge		4.72		
	21:38	21:39:17	2nd Charge		1.00		
	21:39	21:43:26	Mash With Bucket	Big Scrap on Top	4.15	mashing like hell (7/10/2023 21:41 Tim MacIn)	
63232682	22:10	22:12:43	Other		2.47	Holding up for maintenance to cut rebar in slag ramp. Making sure slag does not run out under door. (7/10/2023 22:12 Tim MacIn)	
	22:16	22:17:31	Carbon Boil		1.07		
	22:18	22:26:36	Lab-Sample		8.37		
	22:30	22:34:54	Tapping		4.23		
	22:34	22:38:42	1st Charge		3.80		
63232683	22:38	22:40:49	Clean Slag Door		2.12		
	22:56	22:58:46	2nd Charge		2.18		
	23:23	23:51:43	Blank	Stream Quality	28.25		
	23:56	23:58:50	Carbon Boil		1.90		
	0:03	00:09:32	Lab-Sample		5.97		
63232684	0:12	00:13:04	Take Temperature		0.87		
	0:13	00:18:34	Tapping		4.82		
	0:18	00:22:22	1st Charge		3.80		
	0:22	00:25:26	Clean Slag Door		3.07		
	0:29	00:35:15	Add Electrode		5.65	1352 (7/11/2023 00:32 Tim MacIn)	
63232685	0:42	00:46:58	Break down		4.52	Tripped (7/11/2023 00:44 Tim MacIn)	
	0:51	00:53:58	2nd Charge		2.05		
	1:20	01:22:53	Blank	Stream Quality	2.68	Bleed (7/11/2023 01:22 Tim MacIn)	
	1:27	01:28:45	Carbon Boil		0.88		
	1:29	01:38:19	Lab-Sample		8.50		
63232686	1:42	01:47:51	Tapping		5.57		
	1:47	01:52:42	1st Charge		4.85		
	2:02	02:03:02	Electrodes Moving Slow		0.05		
	2:08	02:10:56	2nd Charge		2.05		
	2:41	02:44:28	Lance Carbon		2.95		
63232687	2:44	02:55:13	Blank	Stream Quality	10.75	Bleed Back on 4 strands. Waiting on ladle. (7/11/2023 02:46 Tim MacIn)	
	3:00	03:06:49	Tapping		6.15		
	3:06	03:11:28	1st Charge		4.65		
	3:28	03:30:53	2nd Charge		1.92		
	4:02	04:12:49	Taking Sample TMSD		10.38		
63232688	4:16	04:18:20	Recarb		1.50	waiting on chemistry test (7/11/2023 04:03 Richard Phelps)	
	4:18	04:22:26	Tapping		4.10	73 ppm (7/11/2023 04:17 Richard Phelps)	
	4:22	04:41:59	Gunned Furnace		19.55	Ran slinger and spot gunned. (7/11/2023 04:37 Richard Phelps)	
	4:41	04:43:33	Pack Tap Hole		1.57		
	4:43	04:46:10	Drop Start Bucket		2.62		
63232689	5:02	05:03:48	2nd Charge		1.67		
	5:03	05:05:51	Mash With Bucket	Big Scrap on Top	2.05		
	5:17	05:17:28			0.00		
	5:39	05:46:11	Lance Carbon		7.02		
	5:49	05:50:47	Lab-Sample		1.60		
63232690	5:53	05:55:02	Take Temperature		1.62		
	5:55	05:55:54	Lance Taphole		0.87		
	5:55	06:00:22	Tapping		4.47		
						Days	250.00
						Nights	250.00
						70%	
						70%	

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/11/2023

heat	start time	end time	obser	reason	duration	note
63232685	6:00	06:04:28	1st Charge		4.10	
	6:22	06:24:05	2nd Charge		2.03	
	6:54	06:57:52	Lab-Sample		3.85	
	7:04	07:10:32	Tapping		6.02	
63232686	7:10	07:13:32	1st Charge		3.00	
	7:13	07:16:58	Plugged		3.43	
	7:32	07:33:41	2nd Charge		1.50	
	7:33	07:39:11	Lab-Sample		5.50	
	8:10	08:14:41	Lab-Sample		3.93	
	8:14	08:14:48	Electrodes Moving Slow		0.02	
	8:21	08:26:53	Tapping		5.35	
	8:26	08:41:53	Ran Slinger		15.00	
63232687	8:41	08:48:53	Breakdown		7.00	45 had a whole in it, had to replace. (7/11/2023 08:50 Tim MacIn)
	8:48	08:56:19	Add Electrode		7.43	Added 1351 to top. (7/11/2023 08:50 Tim MacIn)
	8:56	08:59:19	1st Charge		3.00	
	9:15	09:16:52	2nd Charge		1.70	
	9:45	10:04:44	Blank		19.30	Ladle shut off while casting. (7/11/2023 16:49 Tim MacIn)
	10:09	10:10:10	Carbon Boil		0.87	
	10:14	10:15:29	Take Temperature		1.00	
	10:15	10:22:58	Tapping		7.48	
63232688	10:22	10:25:43	Push Door		2.75	
	10:25	10:28:43	1st Charge		3.00	
	10:43	10:45:17	2nd Charge		1.55	
	11:18	11:19:41	Carbon Boil		0.87	
	11:19	11:19:51	Electrodes Moving Slow		0.05	
	11:22	11:23:10	Take Temperature		1.00	
	11:23	11:30:53	Tapping		7.72	
	11:30	11:34:19	1st Charge		3.43	
63232689	11:49	11:51:08	2nd Charge		1.57	
	12:23	12:24:25	Carbon Boil		0.92	
	12:25	12:27:56	Lance Carbon		2.00	
	12:27	12:29:56	Take Temperature		2.00	
63232690	12:29	12:27:31	Tapping		7.58	
	12:37	12:41:47	1st Charge		4.21	
	12:56	12:58:48	2nd Charge		1.52	
	13:29	13:31:34	Carbon Boil		1.80	
63232691	13:33	13:40:21	Tapping		6.82	
	13:40	13:43:21	1st Charge		3.00	
	13:43	13:44:35	Push Door		1.23	
	13:44	13:45:35	Electrode Slip		1.00	
	13:48	13:52:32	Add Electrode		3.55	Added 1330 to tank. (7/11/2023 13:54 Tim MacIn)
	14:04	14:06:33	2nd Charge		1.62	
	14:37	14:43:46	Tapping		6.32	
	14:43	14:46:46	1st Charge		3.00	
63232692	14:46	14:48:12			1.43	Put up runner fill. (7/11/2023 15:39 Tim MacIn)
	15:03	15:05:24	2nd Charge		1.67	
	15:37	15:39:00	Carbon Boil		1.58	
	15:40	15:43:19	Lance Carbon		2.50	
63232693	15:43	15:48:33	Tapping		5.23	
	15:48	15:51:33	1st Charge		3.00	
	15:51	15:54:49	Push Door		3.27	
	16:10	16:11:41	2nd Charge		1.60	
	16:41	16:43:03	Carbon Boil		1.40	
	16:46	16:52:56	Tapping		6.67	
	16:52	16:57:38	1st Charge		4.70	
	17:12	17:14:32	2nd Charge		1.78	
63232694	17:42	17:43:31	Carbon Boil		0.88	
	17:47	17:50:05	Plate Change		2.98	
	17:51	17:53:55	Recarb		2.00	
	17:53	17:59:18	Tapping		5.38	
63232695	17:59	18:01:18	Pack Tap Hole		2.00	
	18:01	18:16:18	Gunned Furnace		15.00	west jam and under no.1 (7/11/2023 18:20 Tim MacIn)
	18:16	18:17:18	Drop Start Bucket		1.00	
	18:17	18:18:58	Electrode Slip		1.67	
	18:35	18:37:24	2nd Charge		2.02	
	19:06	19:06:41	Carbon Boil		0.60	
	19:09	19:09:54	Take Temperature		0.32	
	19:09	19:10:14	Electrodes Moving Slow		0.25	
63232696	19:10	19:11:48	Lance Taphole		0.90	
	19:11	19:16:22	Tapping		4.57	
	19:16	19:22:38	Pack Tap Hole		6.27	
	19:37	19:39:43	2nd Charge		1.93	
	20:08	20:09:47	Carbon Boil		1.08	
	20:11	20:13:00	Take Temperature		1.75	
	20:15	20:20:13	Tapping		4.33	
	20:20	20:24:07	1st Charge		3.90	
63232697	20:24	20:24:49	Electrode Slip		0.70	
	20:24	20:25:53	Electrode Slip		1.07	
	20:40	20:42:27	2nd Charge		1.82	
	21:13	21:17:08	Door Sticking		3.45	
	21:17	21:17:53	Recarb		0.75	
	21:17	21:22:55	Lance Taphole		5.03	
	21:22	21:30:25	Pack Tap Hole		7.50	Using lance rod. (7/11/2023 21:26 Tim MacIn)
63232698	21:45	21:47:29	2nd Charge		2.02	
	22:18	22:19:21			0.58	
	22:20	22:26:13	Tapping		6.42	
	22:26	22:32:49	1st Charge		6.60	
63232699	22:35	22:41:26	Add Electrode		5.45	
	22:52	22:54:52	2nd Charge		2.13	
	23:25	23:26:40	Cleaning Ladle Lip		1.50	
	23:28	23:33:07	Tapping		5.00	
63232700	23:33	23:37:06	1st Charge		3.98	
	23:51	23:53:43	2nd Charge		1.80	
	23:53	23:55:33	Mash With Bucket	Big Scrap on Top	1.83	
	0:26	00:28:19	Lance Taphole		2.00	
	0:28	00:32:57	Tapping		4.63	
	0:32	00:39:05	Waiting For Crane		6.13	Crane operator made his lunch and lost track of time during tap. (7/12/2023 00:40 Richard Phelps)
	0:54	00:56:44	2nd Charge		1.75	
	1:29	01:33:32	Tapping		4.43	
63232702	1:33	01:55:14	Gunned Furnace		21.70	Ran slinger and spot gunned (7/12/2023 01:54 Richard Phelps)
	1:55	01:56:39	Lab-Sample		1.42	Alloys did not go all in. (7/12/2023 01:55 Richard Phelps)
	1:56	01:58:52	Drop Start Bucket		2.22	
	2:15	02:17:15	2nd Charge		1.75	
	2:48	02:49:00	Carbon Boil		0.92	
	2:51	02:52:42	Take Temperature		1.12	slag for off (7/12/2023 02:56 Richard Phelps)
	2:54	02:59:50	Tapping		5.08	
	2:59	03:03:29	1st Charge		3.65	
63232703	3:18	03:20:39	2nd Charge		1.72	
	3:49	03:49:42	Carbon Boil		0.52	
	3:53	03:54:46	Lance Taphole		1.00	
	3:54	03:59:00	Tapping		4.23	
63232704	3:59	04:03:00	1st Charge		4.00	
	4:17	04:18:47	2nd Charge		1.75	
	4:51	04:56:27	Tapping		5.23	
	4:56	05:00:08	1st Charge		3.68	
63232705	5:14	05:16:30	2nd Charge		1.88	
	5:43	05:43:25	Carbon Boil		0.33	
	5:49	05:54:49	Blank	Strand Started Late	5.28	Waiting on ladle. (7/12/2023 06:06 Tim MacIn)
	5:55	05:59:14	Tapping		3.52	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/12/2023

heat	start time	end time	obser	reason	duration	note
63232706	5:59	06:02:14	1st Charge		3.00	Whole in hose on number 3 gun, changed it out (7/12/2023 06:06 Tim Maclin)
	6:02	06:05:10			2.93	
	6:19	06:21:01	2nd Charge		1.97	
	6:52	06:54:04	Carbon Boil		1.38	
	6:55	07:01:02	Tapping		5.12	
63232707	7:01	07:08:18	1st Charge		7.27	
	7:23	07:25:33	2nd Charge		2.37	
	7:59	08:07:36	Tapping		7.77	
63232708	8:07	08:26:58	1st Charge		19.37	
	8:42	08:43:51	2nd Charge		1.65	
	9:18	09:22:37			3.67	Could not get temp. (7/12/2023 09:32 Tim Maclin)
	9:23	09:25:52	Lance Carbon		2.00	
	9:25	09:32:23	Lance Taphole		6.52	
63232709	9:32	09:35:23	1st Charge		3.00	
	9:35	09:37:06	Electrode Slip		1.72	
	9:41	09:50:43	Add Electrode		9.23	Added hot with 1334 (7/12/2023 09:52 Tim Maclin)
	10:01	10:03:08	2nd Charge		1.60	
	10:34	10:35:48	Carbon Boil		1.02	
	10:37	10:44:34	Tapping		7.02	
63232710	10:44	10:47:34	1st Charge		3.00	
	10:47	10:48:14	Electrode Slip		0.67	
	10:48	10:49:36	Electrode Slip		1.37	
	11:04	11:06:20	2nd Charge		1.50	
	11:35	11:37:19	Carbon Boil		2.28	
	11:41	11:44:40	Gun		3.00	
	11:44	11:49:32	Tapping		4.87	
63232711	11:49	11:52:51	1st Charge		3.32	
	12:08	12:10:12	2nd Charge		1.45	
	12:42	12:44:40	Carbon Boil		1.75	
	12:45	12:47:50	Lance Carbon		2.00	
	12:47	12:54:45	Tapping		6.92	
63232712	12:54	12:58:13	1st Charge		3.47	
	13:13	13:14:49	2nd Charge		1.55	
	13:47	13:48:31	Carbon Boil		1.40	
	13:50	13:55:18	Lance Carbon		5.00	
	13:55	14:01:13	Tapping		5.92	
63232713	14:01	14:04:42	1st Charge		3.48	
	14:20	14:21:49	2nd Charge		1.53	
	14:48	14:49:19	Carbon Boil		0.62	
	14:54	15:01:01	Tapping		6.07	
63232714	15:01	15:04:01	1st Charge		3.00	
	15:04	15:04:35	Electrode Slip		0.57	
	15:04	15:05:09	Electrode Slip		0.57	
	15:05	15:06:14	Electrode Slip		1.08	
	15:08	15:12:34	Add Electrode		4.08	Added 1333 to tank. (7/12/2023 15:27 Tim Maclin)
	15:25	15:26:38	2nd Charge		1.43	
	15:57	16:03:55	Take Temperature		6.12	
63232715	16:03	16:15:39	Gunned Furnace		11.73	
	16:15	16:18:39	1st Charge		3.00	
	16:33	16:35:37	2nd Charge		1.63	
	17:06	17:07:17	Carbon Boil		0.95	
	17:08	17:12:56	Lance Carbon		3.98	
	17:12	17:18:24	Tapping		5.47	
63232716	17:18	17:22:43	1st Charge		4.32	
	17:37	17:39:07	2nd Charge		1.60	
	18:07	18:08:05	Carbon Boil		1.00	
	18:11	18:12:33	Take Temperature		0.83	
	18:12	18:17:43	Tapping		5.17	
63232717	18:17	18:19:43	Pack Tap Hole		2.00	spot gun foe (7/12/2023 18:39 Tim Maclin)
	18:19	18:35:43	Gunned Furnace		16.00	
	18:35	18:38:25	Drop Start Bucket		2.70	
	18:53	18:55:19	2nd Charge		1.68	
	19:24	19:25:23	Carbon Boil		0.57	
	19:29	19:34:46	Lance Taphole		5.77	
63232718	19:34	19:38:44	1st Charge		3.97	
	19:54	19:56:24	2nd Charge		2.17	
	20:25	20:26:48	Carbon Boil		1.70	
	20:29	20:35:33	Tapping		5.73	
63232719	20:35	20:40:01	1st Charge		4.47	
	20:55	20:57:39	Waiting For Crane	Training Employee	2.50	
	20:57	21:02:21	Mash With Bucket	Big Scrap on Top	4.70	
	21:30	21:31:27	Carbon Boil		1.27	
	21:34	21:36:12	Lance Taphole		1.33	
	21:36	21:39:45	Tapping		3.55	
63232720	21:39	21:43:00	1st Charge		3.25	
	21:58	21:59:42	2nd Charge		1.67	
	22:29	22:29:59	Carbon Boil		0.83	
	22:31	22:31:49	Take Temperature		0.57	
	22:32	22:34:24	Recarb		1.73	
	22:34	22:35:24	Lance Taphole		1.00	
	22:35	22:39:26	Tapping		4.03	
63232721	22:39	22:43:44	Waiting For Crane	Training Employee	4.30	
	22:43	22:44:20	Electrode Slip		0.60	
	22:44	22:44:48	Electrode Slip		0.47	
	23:01	23:02:31	2nd Charge		1.50	
	23:34	23:37:08	Lance Carbon		2.97	
	23:37	23:44:27	Lance Taphole		6.55	
63232722	23:44	23:49:01	Waiting For Crane	Training Employee	4.57	
	0:04	00:04:39			0.00	
	0:05	00:07:43	2nd Charge		1.88	
	0:36	00:38:29	Carbon Boil		1.53	
	0:42	00:54:23	Tapping		11.67	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/13/2023

heat	start time	end time	obser	reason	duration	note
63232723	0:54	20:46:13	Downday		1191.83	
	20:46	21:35:02	Waiting on TMS	Waiting on TMS	48.82	Steel is in slag pit, drop ball and tracked loader. (7/13/2023 20:50 Richard Phelps)
	21:54	22:00:51	Cold Furnace Start Up		6.08	
	22:15	22:20:33	Cold Furnace Start Up		5.47	
	22:30	22:35:58	Cold Furnace Start Up		5.27	
	22:47	22:48:18	Take Temperature		0.85	
	22:49	22:49:51	Take Temperature		0.62	
	22:50	22:50:41	Take Temperature		0.28	
	22:51	22:55:37	Lance Taphole		4.13	
	22:55	23:02:28	Tapping		6.85	
63232724	23:02	23:05:42	1st Charge		3.23	
	23:21	23:35:24	Wait on DJJ		13.68	Speed alarm keeps going off with scrap in truck. Switched to back up radiation system. Maintance cleaning eyes. (7/13/2023 23:27 Richard Phelps)
	0:08	00:12:11	Lance Taphole		3.83	
	0:13	00:19:17	Tapping		5.58	
63232725	0:19	00:23:14	1st Charge		3.95	
	0:39	00:41:49	2nd Charge		1.83	
	1:11	01:12:39	Carbon Boil		1.22	
	1:14	01:25:51	Lance Carbon		11.55	
63232726	1:25	01:29:14	1st Charge		3.38	
	1:45	01:46:50	2nd Charge		1.53	
	2:18	02:19:46	Carbon Boil		1.33	
	2:19	02:20:43	Lance Carbon		0.95	
	2:21	02:29:08	Tapping		7.48	
63232727	2:29	02:31:54	1st Charge		2.77	
	2:48	02:49:39	2nd Charge		1.50	
	2:49	02:51:00	Mash With Bucket	Excessive Build-Up	1.35	
	3:22	03:24:27	Lance Taphole		1.83	
	3:24	03:30:01	Tapping		5.57	
63232728	3:30	03:33:01	1st Charge		3.00	
	3:33	03:33:59	Electrode Slip		0.97	
	3:50	03:51:59	2nd Charge		1.67	
	4:22	04:24:42	Lance Taphole		2.17	
	4:24	04:29:45	Tapping		5.05	
63232729	4:29	04:34:16	1st Charge		4.52	
	4:50	04:52:05	2nd Charge		1.85	
	4:52	04:54:52	Breakdown		2.78	Torch tip, 3 strand caster. Furnace ahead, 264100 on ladle weight. Waiting close to slag out to start back up. (7/14/2023 04:53 Richard Phelps)
	5:24	05:25:37	Carbon Boil		1.13	
	5:29	05:30:28	Take Temperature		1.18	
	5:30	05:36:15	Tapping		5.78	
63232730	5:36	05:39:15	1st Charge		3.00	
	5:39	05:40:02	Electrode Slip		0.78	
	5:56	05:58:03	2nd Charge		1.58	
	6:27	06:27:48	Carbon Boil		0.78	
	6:32	06:33:15	Lance Carbon		1.23	
	6:33	06:39:28	Tapping		6.22	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/14/2023

heat	start time	end time	obser	reason	duration	note
63232731	6:39	06:42:46	1st Charge		3.30	
	6:58	07:00:32	2nd Charge		1.65	
	7:00	07:19:13	Breakdown - Pusher		18.65	
	7:50	07:57:30	Tapping		7.02	
63232732	7:57	08:00:33	1st Charge		3.05	
	8:17	08:19:08	2nd Charge		1.93	
	8:50	08:57:18	Taking Sample TMSD		6.98	
	8:57	08:57:26			0.03	
	9:00	09:06:52	Tapping		6.87	
63232733	9:06	09:13:44	1st Charge		6.87	
	9:30	09:32:00	2nd Charge		1.77	
	10:03	10:10:33			6.95	
	10:13	10:21:23	Tapping		8.33	
63232734	10:21	10:24:10	1st Charge		2.78	
	10:40	10:42:22	2nd Charge		1.82	
	11:10	11:10:47	Carbon Boil		0.77	
	11:14	11:22:46	Taking Sample TMSD		8.77	
	11:26	11:33:49	Tapping		7.03	
63232735	11:33	11:37:23	1st Charge		3.57	
	11:54	11:56:01	2nd Charge		1.75	
	12:27	12:40:34	Taking Sample TMSD		13.00	
	12:44	12:52:44	Tapping		7.95	
63232736	12:52	12:57:07	1st Charge		4.38	
	12:59	13:03:25	Add Electrode		3.60	b 1338...c 1333...s1337 (7/14/2023 13:09 CLAYBROOKS, KENDRICK)
	13:03	13:06:25	Add Electrode		3.00	
	13:20	13:22:00	2nd Charge		1.73	
	13:53	14:04:16			10.50	
	14:07	14:15:01	Tapping		7.05	
63232737	14:15	14:19:47	1st Charge		4.77	
	14:22	14:26:16	Add Electrode		3.37	
	14:39	14:40:54	2nd Charge		1.67	
	15:11	15:17:26	Take Temperature		5.45	
	15:21	15:28:27	Tapping		6.97	
63232738	15:28	15:31:22	1st Charge		2.92	
	15:48	15:49:45	2nd Charge		1.73	
	16:21	16:33:20	Breakdown		11.65	#3 strand stopped oiling and had a fault causing a breakout (7/14/2023 16:32 Ben Gearin)
	16:38	16:45:19	Tapping		7.22	
63232739	16:45	16:49:12	1st Charge		3.88	
	17:05	17:08:52	2nd Charge		2.98	
	17:40	17:58:08	Breakdown		17.57	fault (7/14/2023 18:12 Ben Gearin)
	18:02	18:09:45	Tapping		7.17	
63232740	18:09	18:12:51	1st Charge		3.10	
	18:28	18:30:31	2nd Charge		1.62	
	18:54	19:18:22	Other		24.10	duluth (7/14/2023 19:08 CLAYBROOKS, KENDRICK) Jhooks stuck on ladle due to steel on Jhook. Had to cut steel off with torch. (7/15/2023 06:14 Williams, Ronny)
	19:26	19:31:06	Taking Sample TMSD		4.97	
	19:35	19:41:19	Tapping		5.58	
63232741	19:41	19:44:27	1st Charge		3.13	
	20:00	20:01:38	2nd Charge		1.38	
	20:25	20:54:24	Other		28.77	duluth (7/14/2023 20:26 CLAYBROOKS, KENDRICK) Jhook stuck to ladle. Had to cut steel with torch to get Jhook of ladle. (7/15/2023 06:15 Williams, Ronny)
	21:02	21:06:14	Taking Sample TMSD		3.98	
	21:10	21:12:38	Take Temperature		2.40	
	21:12	21:19:00	Tapping		6.37	
63232742	21:19	21:22:00	1st Charge		3.00	
	21:22	21:23:55	Electrode Slip		1.92	backslip, slipped A and C too (7/14/2023 21:24 CLAYBROOKS, KENDRICK)
	21:27	21:37:34	Add Electrode		9.70	added hot 1332 (7/14/2023 21:33 CLAYBROOKS, KENDRICK)
	21:48	21:50:25	2nd Charge		1.50	
	21:50	21:51:24	Mash With Bucket	Big Scrap on Top	0.92	
	22:21	22:26:12	Taking Sample TMSD		4.73	
	22:29	22:36:25	Tapping		7.35	
63232743	22:36	22:39:25	1st Charge		3.00	
	22:39	22:53:03	Ran Slinger		13.63	gunned furnace (7/14/2023 23:09 CLAYBROOKS, KENDRICK)
	23:10	23:11:32	2nd Charge		1.50	
	23:11	23:13:28	Mash With Bucket	Big Scrap on Top	1.93	
	23:44	23:50:30	Taking Sample TMSD		6.32	
	23:54	00:00:23	Take Temperature		6.22	
	0:00	00:07:05	Tapping		6.70	
63232744	0:07	00:10:41	1st Charge		3.60	
	0:14	00:20:51			5.93	thought a big crack was in the top piece, something melted on it. good to run (7/15/2023 00:25 CLAYBROOKS, KENDRICK)
	0:33	00:35:25	2nd Charge		1.50	
	0:35	00:36:35	Waiting For Crane	Training Employee	1:17	
	0:44	00:44:56			0:00	
	1:06	01:11:45	Taking Sample TMSD		5.10	
	1:13	01:20:48	Tapping		6.83	
63232745	1:20	01:24:32	1st Charge		3.73	
	1:40	01:42:28	2nd Charge		1.50	
	1:42	01:45:02	Mash With Bucket	Dropped Charge Off-Center	2.57	
	1:50	01:55:47	Mag Bezel Ring	Dropped Charge Off-Center	4.82	
	2:19	02:25:04	Taking Sample TMSD		5.27	
	2:29	02:35:43	Tapping		5.93	
63232746	2:35	02:38:57	1st Charge		3.23	
	2:55	02:56:43	2nd Charge		1.50	
	2:56	02:59:47	Mash With Bucket	Big Scrap on Top	3.07	
	3:12	03:12:27	Break down		0.03	
	3:29	03:43:03	Push Door		13.35	stuck (7/15/2023 03:49 CLAYBROOKS, KENDRICK)
	3:46	03:50:48	Taking Sample TMSD		4.22	
	3:54	03:54:40	Take Temperature		0.43	
	3:55	04:01:23	Tapping		5.95	
63232747	4:01	04:04:23	1st Charge		3.00	
	4:04	04:05:14	Waiting For Crane	Training Employee	0.85	
	4:21	04:23:20	2nd Charge		1.50	
	4:23	04:26:05	Mash With Bucket	Big Scrap on Top	2.75	
	4:56	05:02:13	Taking Sample TMSD		6.05	
	5:06	05:12:28	Tapping		5.73	
63232748	5:12	05:15:28	1st Charge		3.00	
	5:15	05:18:37	Mash With Bucket	Big Scrap on Top	3.15	
	5:36	05:37:50	2nd Charge		1.50	
	5:37	05:39:09	Mash With Bucket	Big Scrap on Top	1.32	
	6:07	06:13:43	Taking Sample TMSD		5.88	
	6:19	06:26:04	Tapping		6.32	
Days				250.00	70%	
Nights				250.00	70%	

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/15/2023

heat	start time	end time	obser	reason	duration	note
63232749	6:26	07:58:31	1st Charge		92.45	
	8:14	08:15:41	2nd Charge		1.50	
	8:15	08:33:03	Mash With Bucket	Excessive Build-Up	17.37	
	8:52	09:06:28	Breakdown		13.92	2 of the bars want go back into stoorage (7/15/2023 08:53 CLAYBROOKS, KENDRICK) both bars not lined up having to pry to get past withdraw (7/15/2023 09:22 Ben Gearin)
	9:22	09:23:08			0.68	
	9:24	09:25:18			0.33	
	9:26	09:38:59	Tapping		12.83	
63232750	9:38	09:43:38	1st Charge		4.65	
	10:00	10:02:14	2nd Charge		1.50	
	10:02	10:05:39	Mash With Bucket	Big Scrap on Top	3.42	
	10:38	10:45:08	Tapping		6.72	
63232751	10:45	10:48:03	1st Charge		2.92	
	11:04	11:06:33	2nd Charge		1.77	
	11:30	11:33:17	Other		3.00	
	11:40	11:41:02			0.95	
	11:43	11:49:17	Tapping		5.37	
63232752	11:49	11:52:13	1st Charge		2.93	
	12:02	12:05:37	Break down		3.55	
	12:12	12:14:17	2nd Charge		1.83	
	12:45	12:45:56			0.58	
	12:48	12:54:47	Tapping		6.68	
63232753	12:54	13:00:42	1st Charge		5.92	
	13:18	13:26:45	Mash & Mag	Big Scrap on Top	8.68	
	13:58	14:05:21	Tapping		7.28	
63232754	14:05	14:08:28	1st Charge		3.12	
	14:25	14:28:32	2nd Charge		3.37	
	14:54	14:55:07	Carbon Boil		0.53	
	15:02	15:07:57	Tapping		5.90	
63232755	15:07	15:10:54	1st Charge		2.95	
	15:27	15:28:47	2nd Charge		1.72	
	15:52	16:00:51	Swap to backup ladle		8.67	
	16:12	16:18:25	Tapping		5.90	
63232756	16:18	16:22:23	1st Charge		3.97	
	16:39	16:41:15	2nd Charge		1.75	
	17:13	17:18:58	Tapping		5.85	
63232757	17:18	17:22:11	1st Charge		3.22	
	17:38	17:40:35	2nd Charge		2.30	
	18:09	18:13:02	Push Door		3.20	
	18:13	18:13:15			0.07	
	18:17	18:23:48	Tapping		6.25	
63232758	18:23	18:28:04	1st Charge		4.27	
	18:31	18:34:46	Add Electrode		3.63	1337 a..s 1342 (7/15/2023 18:33 CLAYBROOKS, KENDRICK)
	18:47	18:49:30	2nd Charge		1.55	
	19:00	19:00:57			0.00	
	19:17	19:23:37	Waiting on TMS	Waiting on TMS	5.83	Left e-stop in on slag door. (7/15/2023 19:19 CLAYBROOKS, KENDRICK)
	19:29	19:35:16	Tapping		6.18	
63232759	19:35	19:38:16	1st Charge		3.00	
	19:38	19:39:37	Electrode Slip		1.35	
	19:41	19:45:42	Add Electrode		3.72	Added 1341 to tank. (7/15/2023 20:42 Tim MacIn)
	19:59	20:00:49	2nd Charge		1.50	
	20:00	20:02:25			1.60	
	20:32	20:33:59	Taking Sample TMSD		1.05	Waiting on green light. (7/15/2023 20:41 Tim MacIn)
	20:37	20:38:01	Push Door		0.73	
	20:39	20:41:54	Lance Taphole		2.75	
	20:41	20:48:07	Tapping		6.22	Left e-stop pushed in, caused delay. (7/15/2023 20:44 Tim MacIn)
63232760	20:48	20:51:07	1st Charge		3.00	
	20:51	20:52:12	Electrode Slip		1.08	
	21:08	21:09:40	2nd Charge		1.50	
	21:09	21:11:37	Mash With Bucket		1.95	Training. (7/16/2023 00:05 Tim MacIn)
	21:44	21:50:51	Tapping		6.02	
63232761	21:50	21:54:30	1st Charge		3.65	
	22:09	22:11:23	2nd Charge		1.50	
	22:11	22:14:45	Mash With Bucket		3.37	Training. (7/15/2023 22:16 Tim MacIn)
	22:46	22:49:37	Lance Taphole		2.83	
	22:51	22:56:29	Tapping		5.40	
63232762	22:56	22:59:29	1st Charge		3.00	
	22:59	23:08:04	Gunned Furnace		8.58	
	23:23	23:25:20	2nd Charge		1.50	
	23:25	23:26:22	Mash With Bucket		1.03	
	23:56	23:57:33	Carbon Boil		0.97	
	23:59	00:02:44	Lance Carbon		3.00	
	0:02	00:08:31	Tapping		6.78	
63232763	0:08	00:12:14	1st Charge		3.72	
	0:26	00:29:31	2nd Charge		2.65	
	1:00	01:04:05	Blank	Strand Started Late	3.57	
	1:05	01:07:15	Carbon Boil		1.38	
	1:09	01:11:15	Lance Carbon		2.00	
	1:11	01:17:24	Tapping		6.15	
63232764	1:17	01:21:59	1st Charge		4.58	
	1:38	01:40:33	2nd Charge		2.48	
	2:13	02:15:43	Lance Carbon		2.00	
	2:15	02:20:41	Tapping		4.97	
63232765	2:20	02:24:41	1st Charge		4.00	
	2:24	02:25:37	Electrode Slip		0.93	
	2:40	02:43:10	2nd Charge		2.40	
	3:17	03:20:24	Lance Taphole		2.63	
	3:21	03:23:55	Lance Taphole		2.00	
	3:23	03:28:29	Tapping		4.57	
63232766	3:28	03:31:30	1st Charge		3.02	
	3:47	03:48:59	2nd Charge		1.47	
	4:16	04:17:45	Carbon Boil		1.08	
	4:21	04:28:56	Tapping		6.97	
63232767	4:28	04:31:56	1st Charge		3.00	
	4:31	04:40:59	Gunned Furnace		9.05	
	4:56	04:57:56	2nd Charge		1.45	
	5:30	05:32:11	Lance Taphole		1.62	
	5:32	05:37:08	Tapping		4.95	
63232768	5:37	05:40:08	1st Charge		3.00	
	5:40	05:41:15	Electrode Slip		1.12	
	5:45	05:54:21	Add Electrode		9.32	Added hot with 1336 (7/16/2023 06:31 Tim MacIn)
	6:05	06:07:23	2nd Charge		1.48	
	6:39	06:46:17	Tapping		6.75	
Days			250.00		70%	
Nights			250.00		70%	

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/16/2023

heat	start time	end time	obser	reason	duration	note
63232769	6:46	06:49:52	1st Charge		3.58	
	7:05	07:06:53	2nd Charge		1.50	
	7:06	07:08:08	Mash With Bucket	Big Scrap on Top	1.25	
	7:32	07:37:58	Plate Change		5.55	
	7:47	07:54:24	Tapping		7.08	
63232770	7:54	07:57:57	1st Charge		3.55	
	8:14	08:15:44	2nd Charge		1.50	
	8:15	08:17:55	Mash With Bucket	Big Scrap on Top	2.18	
	8:48	08:55:09	Tapping		6.37	
63232771	8:55	08:58:33	1st Charge		3.40	
	9:14	09:15:42	2nd Charge		1.50	
	9:15	09:16:53	Mash With Bucket	Big Scrap on Top	1.18	
	9:22	09:26:41	Mag Bezel Ring	Dropped Charge Off-Center	4.68	
	9:45	09:51:54	Cleaning Ladle Lip		6.15	
63232772	10:00	10:06:31	Tapping		5.88	
	10:06	10:12:37	1st Charge		6.10	
	10:28	10:29:37	2nd Charge		1.50	
	10:28	10:33:34	Mash With Bucket	Big Scrap on Top	3.95	
	10:40	10:53:16	Mash & Mag	Big Scrap on Top	12.62	
63232773	11:17	11:25:53	Tapping		8.65	
	11:25	11:28:55	1st Charge		3.03	
	11:45	11:45:34			0.02	
	11:46	11:47:46	2nd Charge		1.50	
	11:47	11:49:05	Mash With Bucket	Big Scrap on Top	1.32	
63232774	12:05	12:05:55			0.03	
	12:21	12:28:05	Tapping		6.20	
	12:28	12:32:05	1st Charge		4.00	
	12:48	12:49:52	2nd Charge		1.50	
	12:49	12:51:03	Mash With Bucket	Big Scrap on Top	1.18	
63232775	13:14	13:17:53	Swap to backup ladle		3.82	
	13:28	13:29:18	Take Temperature		1.22	
	13:30	13:36:42	Tapping		6.32	
	13:36	13:41:12	1st Charge		4.50	
	13:57	13:57:01	Other		0.02	
63232776	13:57	13:59:16	2nd Charge		1.50	
	13:59	14:02:24	Mash With Bucket	Big Scrap on Top	3.13	
	14:33	14:33:29	Take Temperature		0.37	
	14:33	14:39:40	Tapping		5.87	
	14:39	14:43:07	1st Charge		3.45	
63232777	15:00	15:02:14	2nd Charge		2.08	
	15:32	15:36:33	Lance Taphole		4.53	
	15:39	15:42:39	Lance Taphole		3.53	
	15:43	15:51:27	Tapping		8.12	
	15:51	15:56:29	1st Charge		5.03	
63232778	16:12	16:14:13	2nd Charge		1.50	
	16:14	16:16:07	Mash With Bucket	Excessive Build-Up	1.90	
	16:47	16:54:16	Tapping		6.98	
	16:54	16:57:45	1st Charge		3.48	
	17:14	17:17:24	2nd Charge		2.52	
63232779	17:47	17:52:51	Tapping		4.93	
	17:52	17:55:53	1st Charge		3.03	
	18:12	18:14:03	2nd Charge		1.50	
	18:14	18:15:37	Mash With Bucket	Big Scrap on Top	1.57	
	18:46	18:51:36	Tapping		5.37	
63232780	18:51	18:54:36	1st Charge		3.00	
	18:54	18:55:29	Electrode Slip		0.88	limit (7/16/2023 18:55 CLAYBROOKS, KENDRICK)
	19:10	19:11:39	2nd Charge		1.27	
	19:35	19:38:26	Blank	Strand Started Late	3.13	
	19:48	19:53:39	Tapping		5.38	
63232781	19:53	19:56:39	1st Charge		3.00	
	19:56	20:18:47	Gunned Furnace		22.13	
	20:21	20:27:01	Add Electrode		5.88	1335 (7/16/2023 20:22 CLAYBROOKS, KENDRICK)
	20:40	20:41:30	2nd Charge		1.50	
	20:41	20:43:30	Mash With Bucket	Big Scrap on Top	2.00	
63232782	21:15	21:21:26	Tapping		5.57	
	21:21	21:24:12	1st Charge		2.77	
	21:41	21:42:56	2nd Charge		1.38	
	22:06	22:12:51	Plate Change		6.82	
	22:22	22:28:43	Tapping		6.63	
63232783	22:28	22:31:43	1st Charge		3.00	
	22:31	23:04:43	Breakdown		33.00	blown pilot hose (7/16/2023 23:10 CLAYBROOKS, KENDRICK)
	23:20	23:22:18	2nd Charge		1.37	
	23:32	23:36:24	Break down		3.92	tripped (7/16/2023 23:33 CLAYBROOKS, KENDRICK)
	23:58	00:03:50	Tapping		5.37	
63232784	0:03	00:06:50	1st Charge		3.00	
	0:06	00:07:45	Electrode Slip		0.92	backslip (7/17/2023 00:08 CLAYBROOKS, KENDRICK)
	0:10	00:14:32	Add Electrode		4.37	1340 (7/17/2023 00:11 CLAYBROOKS, KENDRICK)
	0:28	00:29:52	2nd Charge		1.48	
	1:01	01:06:57	Tapping		5.07	
63232785	1:06	01:09:44	1st Charge		2.78	
	1:26	01:28:00	2nd Charge		1.33	
	1:51	01:59:18	Swap to backup ladle		8.07	bunny car not moving (7/17/2023 02:01 CLAYBROOKS, KENDRICK)
	2:03	02:08:35	Redump Ladle		5.35	
	2:16	02:21:24	Tapping		5.07	
63232786	2:21	02:24:07	1st Charge		2.72	
	2:41	02:43:10	2nd Charge		1.35	
	3:05	03:09:16	Redump Ladle		3.37	
	3:18	03:19:37	Take Temperature		1.25	
	3:20	03:25:07	Tapping		4.67	
63232787	3:25	03:28:07	1st Charge		3.00	
	3:28	03:29:06	Push Door		0.98	
	3:45	03:46:46	2nd Charge		1.25	
	4:11	04:19:35	Cleaning Ladle Lip		7.98	
	4:27	04:33:22	Tapping		6.12	
63232788	4:33	04:36:22	1st Charge		3.00	
	4:36	04:37:24	Electrode Slip		1.03	
	4:53	04:55:18	2nd Charge		1.50	
	4:55	04:56:32	Mash With Bucket	Big Scrap on Top	1.23	
	5:19	05:20:50	Blank	Strand Started Late	0.85	
63232789	5:28	05:31:27	Blank	Strand Started Late	2.50	
	5:31	05:35:41	Tapping		4.23	
	5:35	05:38:41	1st Charge		3.00	
	5:38	05:44:37	Gunned Furnace		5.93	
	6:01	06:02:33	2nd Charge		1.50	
	6:02	06:05:12	Mash With Bucket	Big Scrap on Top	2.65	
	6:38	06:44:31	Tapping		5.95	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/17/2023

heat	start time	end time	obser	reason	duration	note
63232790	6:44	06:47:31	Pack Tap Hole		3.00	
	6:47	07:02:31	Gunned Furnace		15.00	
	7:02	07:05:16	Drop Start Bucket		2.75	
	7:22	07:23:21	2nd Charge		1.15	
	7:23	07:24:39	Mash With Bucket	Dropped Charge Off-Center	1.30	mashing (7/17/2023 07:23 Richard Phelps)
63232791	7:57	07:58:39	Take Temperature		1.17	
	7:59	08:05:57	Tapping		6.13	
	8:05	08:10:30	1st Charge		4.55	
	8:27	08:28:51	2nd Charge		1.85	
	9:01	09:03:30	Recarb		1.83	3081 temp 550 ppm (7/17/2023 09:02 Richard Phelps)
63232792	9:03	09:08:33	Tapping		5.05	
	9:08	09:12:15	1st Charge		3.70	
	9:29	09:30:47	2nd Charge		1.38	
	9:30	09:31:51	Mash With Bucket	Big Scrap on Top	1.07	mashing (7/17/2023 09:31 Richard Phelps)
	10:04	10:05:19	Lance Taphole		0.88	
63232793	10:05	10:10:12	Tapping		4.88	
	10:10	10:14:27	1st Charge		4.25	
	10:30	10:32:10	2nd Charge		1.82	
	10:32	10:34:03	Mash With Bucket	Big Scrap on Top	1.88	mashing (7/17/2023 10:32 Richard Phelps)
	11:04	11:11:31	Plate Change		6.62	
63232794	11:13	11:14:56	Plate Change		1.00	
	11:14	11:16:35	Lance Taphole		1.65	
	11:16	11:21:32	Tapping		4.95	
	11:21	11:25:42	1st Charge		4.17	
	11:27	11:35:57	Add Electrode		8.10	We put A phase in B phase and the new trode in / phase (7/17/2023 11:30 Richard Phelps)
63232795	11:51	11:53:40	2nd Charge		2.50	
	12:26	12:29:46	Recarb		2.97	30510 temp 572 ppm (7/17/2023 12:28 Richard Phelps)
	12:29	12:30:53	Lance Carbon		1.12	
	12:30	12:36:03	Tapping		5.17	
	12:36	12:38:03	Pack Tap Hole		2.00	
63232796	12:38	12:59:03	Gunned Furnace		21.00	Under no.2 the taphole and on B-wall (7/17/2023 13:04 Richard Phelps)
	12:59	13:02:48	Drop Start Bucket		3.75	
	13:19	13:20:56	2nd Charge		1.88	
	13:20	13:22:39	Mash With Bucket	Dropped Charge Off-Center	1.72	mashing (7/17/2023 13:21 Richard Phelps)
	13:53	13:55:46	Push Door		1.87	skull in breast area (7/17/2023 13:54 Richard Phelps)
63232797	13:59	14:01:06	Lance Carbon		1.20	
	14:01	14:06:18	Tapping		5.20	
	14:06	14:12:17	1st Charge		5.98	
	14:29	14:31:44	2nd Charge		2.48	
	15:04	15:06:01	Lance Carbon		1.25	305 ppm (7/17/2023 15:05 Richard Phelps)
63232798	15:07	15:09:47	Lance Carbon		2.50	
	15:09	15:14:26	Tapping		4.65	
	15:14	15:19:31	1st Charge		5.08	
	15:35	15:37:34	2nd Charge		2.00	
	15:37	15:39:41	Mash With Bucket	Big Scrap on Top	2.12	mashing (7/17/2023 15:38 Richard Phelps)
63232799	16:12	16:12:39	Take Temperature		0.50	
	16:14	16:16:22	Lance Carbon		1.43	
	16:16	16:17:05	Take Temperature		0.23	
	16:17	16:18:19	Take Temperature		0.70	
	16:18	16:22:55	Tapping		4.60	
63232800	16:22	16:27:52	1st Charge		4.95	
	16:44	16:47:09	2nd Charge		2.32	
	17:20	17:22:32	Recarb		2.27	
	17:22	17:22:54	Lance Taphole		0.37	
	17:22	17:27:58	Tapping		5.07	
63232801	17:27	17:29:58	Pack Tap Hole		2.00	
	17:29	17:32:03	Push Door		2.08	cleaning door area (7/17/2023 17:31 Richard Phelps)
	17:32	17:35:45	Drop Start Bucket		3.70	
	17:52	17:54:50	2nd Charge		2.35	
	18:27	18:28:22	Take Temperature		0.92	
63232802	18:28	18:33:49	Tapping		5.45	
	18:33	18:39:39	1st Charge		5.83	
	18:55	18:58:49	2nd Charge		2.88	
	19:29	19:30:10	Take Temperature		0.48	
	19:30	19:36:27	Tapping		5.60	
63232803	19:36	19:39:57			3.50	
	19:39	20:56:41	Tundish Change Only		76.73	
	21:13	21:15:15	2nd Charge		1.50	
	21:15	21:17:39	Waiting For Crane	Training Employee	2.40	
	21:54	21:59:59	Lance Taphole		5.50	
63232804	22:01	22:07:35	Tapping		5.95	
	22:07	22:14:02	1st Charge		6.45	
	22:29	22:29:11			0.03	
	22:30	22:33:18	2nd Charge		2.47	
	22:41	22:45:32	Mag Bezel Ring	Dropped Charge Off-Center	3.98	
63232805	23:12	23:18:25	Tapping		6.13	
	23:18	23:22:21	1st Charge		3.93	
	23:29	23:29:12	Other		0.03	
	23:38	23:40:21	2nd Charge		1.50	
	23:40	23:42:59	Waiting For Crane	Training Employee	2.63	
63232806	23:55	00:07:23	Mag Bezel Ring	Other	12.02	tanie (7/18/2023 00:08 Richard Phelps)
	0:19	00:31:36	Plate Change		12.27	
	0:40	00:46:12	Tapping		5.43	
	0:46	00:50:25	1st Charge		4.22	
	0:55	00:58:22	Add Electrode		3.00	b 1335...a is 1339...s 1326 (7/18/2023 01:04 Richard Phelps)
63232807	0:58	01:02:26	Add Electrode		4.07	
	1:13	01:15:22	2nd Charge		1.50	
	1:15	01:17:25	Waiting For Crane	Training Employee	2.05	
	1:48	01:53:43	Tapping		5.52	
	1:53	01:58:07	1st Charge		4.40	
63232808	2:14	02:16:59	2nd Charge		2.43	
	2:48	02:48:37	Take Temperature		0.42	
	2:49	02:55:17	Tapping		6.13	
	2:55	02:59:22	1st Charge		4.08	
	3:16	03:18:13	2nd Charge		2.18	
63232809	3:49	03:50:48	Take Temperature		1.45	
	3:52	03:52:28	Take Temperature		0.35	
	3:53	04:00:12	Tapping		6.55	
	4:00	04:05:48	1st Charge		5.60	
	4:11	04:15:55	Add Electrode		4.72	1326...s 1325 (7/18/2023 04:18 Richard Phelps)
63232810	4:27	04:28:44	2nd Charge		1.63	
	4:59	05:07:15	Tapping		7.30	
	5:07	05:11:51	1st Charge		4.60	
	5:29	05:31:16	2nd Charge		2.23	
	6:03	06:10:18	Tapping		6.65	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/18/2023

heat	start time	end time	obser	reason	duration	note
63232809	6:10	06:23:16	1st Charge		12.97	
	6:39	06:43:26	2nd Charge		3.75	
	7:14	07:16:10	Push Door		1.75	skull in breast area (7/18/2023 07:15 Richard Phelps)
	7:17	07:19:09	Carbon Boil		1.23	34 carbon (7/18/2023 07:18 Richard Phelps)
	7:19	07:20:14	Lance Carbon		1.08	
	7:21	07:23:07	Lance Carbon		1.42	
	7:23	07:25:16	Lance Taphole		2.15	
	7:25	07:32:55	Tapping		7.65	
63232810	7:32	07:37:32	1st Charge		4.62	
	7:54	07:56:24	2nd Charge		1.88	
	8:29	08:30:27	Lance Taphole		0.77	
	8:30	08:35:46	Tapping		5.32	
63232811	8:35	08:38:46	1st Charge		3.00	
	8:38	08:57:46	Gunned Furnace		19.00	
	9:13	09:15:29	2nd Charge		1.50	
	9:15	09:28:11	Mash With Bucket	Excessive Build-Up	12.70	giant pieces of scrap in recharge have to mag (7/18/2023 09:23 Richard Phelps)
	9:28	09:32:52	Mag Bezel Ring	Excessive Build-Up	4.58	
	10:03	10:06:10	Crane Busy		2.47	moving ladle for refractory (7/18/2023 10:04 Richard Phelps)
	10:08	10:09:30	Lance Taphole		0.80	
	10:09	10:14:59	Tapping		5.48	
63232812	10:14	10:19:45	1st Charge		4.77	
	10:36	10:39:22	2nd Charge		2.63	
	11:08	11:09:15	Carbon Boil		0.70	
	11:11	11:16:58	Taking Sample TMSD		5.32	waiting on chemistry test (7/18/2023 11:14 Richard Phelps)
	11:20	11:26:25	Tapping		5.82	
63232813	11:26	11:30:50	1st Charge		4.42	
	11:44	11:44:43			0.02	
	11:46	11:47:57	2nd Charge		1.00	
	11:47	11:51:22	Mash With Bucket	Dropped Charge Off-Center	3.42	mashing (7/18/2023 11:49 Richard Phelps)
	12:18	12:19:50	Carbon Boil		1.05	
	12:23	12:28:05	Taking Sample TMSD		4.35	waiting on chemistry test (7/18/2023 12:24 Richard Phelps)
	12:31	12:36:43	Tapping		4.97	
63232814	12:36	12:38:43	Pack Tap Hole		2.00	
	12:38	12:48:43	Gunned Furnace		10.00	around taphole under no.3 and B-wall (7/18/2023 13:02 Richard Phelps)
	12:48	12:52:40	Drop Start Bucket		3.95	
	13:09	13:12:57	2nd Charge		3.17	
	13:40	13:41:10	Carbon Boil		0.72	
	13:44	13:49:08	Taking Sample TMSD		4.45	waiting on chemistry test (7/18/2023 13:45 Richard Phelps)
	13:52	13:53:07	Recarb		1.00	
	13:53	13:59:01	Tapping		5.90	
63232815	13:59	14:04:43	1st Charge		5.70	
	14:07	14:16:58	Add Electrode		9.50	We put A phase in B phase and new trode in A phase (7/18/2023 14:09 Richard Phelps)
	14:31	14:33:19	2nd Charge		1.85	
	14:33	14:34:47	Mash With Bucket	Dropped Charge Off-Center	1.47	mashing (7/18/2023 14:33 Richard Phelps)
	15:04	15:09:24	Taking Sample TMSD		5.12	waiting on chemistry test (7/18/2023 15:06 Richard Phelps)
	15:12	15:18:23	Tapping		5.48	
63232816	15:18	15:22:00	1st Charge		3.62	
	15:38	15:39:59	2nd Charge		1.68	
	15:39	15:43:34	Mash With Bucket	Dropped Charge Off-Center	3.58	mashing (7/18/2023 15:40 Richard Phelps)
	16:15	16:20:07	Taking Sample TMSD		4.82	waiting on chemistry test (7/18/2023 16:16 Richard Phelps)
	16:23	16:29:10	Tapping		5.78	
63232817	16:29	16:33:02	1st Charge		3.87	
	16:33	16:33:40	Other		0.28	
	16:38	16:53:48	Water Panel	Water Leak	15.12	water leak on delta ring (7/18/2023 16:44 Richard Phelps)
	17:06	17:08:08	2nd Charge		1.50	
	17:08	17:12:31	Mash With Bucket	Excessive Build-Up	4.38	
	17:12	17:22:03	Mag Bezel Ring	Excessive Build-Up	9.53	
	17:53	17:59:00	Taking Sample TMSD		5.40	waiting on chemistry test (7/18/2023 17:54 Richard Phelps)
	18:04	18:09:11	Tapping		5.05	
63232818	18:09	18:11:11	Pack Tap Hole		2.00	
	18:11	19:09:34	Breakdown		58.38	A phase drifting even with the e-stop on (7/18/2023 18:13 Richard Phelps)
	19:26	19:27:55	2nd Charge		1.50	Blew o'ring between the cylidner and the hard pipe under the furnace for the column cylinder (7/20/2023 10:57 Stefenon, Andre)
	19:27	19:31:35	Mash With Bucket	Big Scrap on Top	3.67	
	20:02	20:06:23	Taking Sample TMSD		4.28	deloth (7/18/2023 20:04 Richard Phelps)
	20:11	20:16:03	Tapping		4.93	
63232819	20:16	20:22:03	1st Charge		6.00	
	20:40	20:42:38	2nd Charge		1.93	
	21:11	21:16:28			4.77	
	21:21	21:29:00	Tapping		7.92	
63232820	21:29	21:32:41	1st Charge		3.68	
	21:49	21:51:13	2nd Charge		1.93	
	22:22	22:33:53			11.13	
	22:38	22:43:57	Tapping		5.03	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/20/2023

heat	start time	end time	obser	reason	duration	note
63232821	22:43	05:43:57	Water Panel	Water Leak	420.00	
	5:43	05:51:03	Downday		1447.10	
	6:11	06:17:30	Cold Furnace Start Up		6.30	
	6:32	06:38:31	Cold Furnace Start Up		6.08	
	6:48	06:54:12	Cold Furnace Start Up		5.42	
	6:57	07:55:08	Push Door		57.83	slag door stuck (7/20/2023 07:54 Richard Phelps)
	8:09	08:10:55	Lance Taphole		1.05	
	8:10	08:16:54	Tapping		5.98	
	8:16	11:06:54	1st Charge		170.00	
	11:06	11:14:54	Other		8.00	water in the furnace drill (7/20/2023 11:41 Richard Phelps)
63232822	11:14	11:20:53	Drop Start Bucket		5.98	
	11:38	11:39:35	2nd Charge		1.50	
	11:39	11:57:01	Mash With Bucket	Dropped Charge Off-Center	17.43	mashing (7/20/2023 11:40 Richard Phelps)
	12:25	12:30:23	Carbon Boil		4.88	
	12:32	12:33:42	Take Temperature		1.48	
	12:35	12:36:52	Take Temperature		1.18	
	12:38	12:40:12	Take Temperature		1.67	
	12:42	12:42:36	Take Temperature		0.07	
	12:42	12:43:43	Take Temperature		1.03	
	12:46	12:48:11	Take Temperature		1.75	
	12:49	12:49:19	Electrodes Moving Slow		0.05	
	12:49	12:49:43	Take Temperature		0.30	
	12:50	12:52:29	Take Temperature		1.87	
	12:54	13:00:15	Tapping		5.98	
	13:00	13:03:15	1st Charge		3.00	
	13:03	13:14:22	Other		11.12	waiting on sample (7/20/2023 13:34 Richard Phelps)
	13:31	13:33:01	2nd Charge		1.50	
	13:33	13:35:47	Mash With Bucket	Excessive Build-Up	2.77	
63232823	13:45	13:45:15	Electrodes Moving Slow		0.02	
	14:04	14:14:27	Push Door		10.08	stuck (7/20/2023 14:05 Richard Phelps)
	14:18	14:18:43	Take Temperature		0.58	
	14:20	14:21:24	Take Temperature		1.25	
	14:22	14:23:49	Take Temperature		0.95	
	14:24	14:25:48	Take Temperature		0.83	
	14:27	14:28:04	Take Temperature		0.58	
	14:29	14:35:23	Lance Taphole		5.88	
	14:36	14:43:19	Tapping		6.68	
	14:43	14:48:19	1st Charge		3.00	
	14:46	14:54:35	Push Door		8.27	
	15:11	15:12:44	2nd Charge		1.40	
	15:12	15:13:48	Mash With Bucket	Dropped Charge Off-Center	1.07	
	15:41	15:42:23	Carbon Boil		0.55	
	15:47	15:48:35	Cleaning Ladle Lip		1.43	
	15:50	15:52:15	Lance Carbon		2.00	
	15:52	15:52:54	Lance Taphole		0.65	
63232824	15:52	15:59:14	Tapping		6.33	
	15:59	16:04:13	1st Charge		4.98	
	16:21	16:22:36	2nd Charge		1.27	
	16:22	16:24:05	Mash With Bucket	Dropped Charge Off-Center	1.48	mashing (7/20/2023 16:23 Richard Phelps)
	16:57	17:04:32	Tapping		6.70	
	17:04	17:08:01	1st Charge		3.48	
	17:24	17:26:02	2nd Charge		1.50	
	17:26	17:27:15	Mash With Bucket	Excessive Build-Up	1.22	
	17:38	17:38:34			0.00	
	17:59	18:06:58	Tapping		7.50	
63232827	18:06	18:09:58	1st Charge		3.00	
	18:09	18:12:10	Electrode Slip		2.20	
	18:14	18:22:18	Add Electrode		7.63	s1320 put c phase in b phase and new stick in c (7/20/2023 18:24 Richard Phelps)
	18:36	18:38:19	2nd Charge		1.65	
	19:07	19:10:56	Lab-Sample		3.32	
	19:17	19:25:06	Tapping		7.47	
	19:25	19:28:06	1st Charge		3.00	
	19:28	19:53:55	Other		25.82	Making carbon additions, first duluth heat. (7/21/2023 05:37 Tim Maclin)
	20:09	20:11:26	2nd Charge		1.75	
	20:43	20:44:11	Carbon Boil		0.57	
63232829	20:49	20:53:08	Lab-Sample		3.78	
	20:55	21:03:14	Tapping		7.42	
	21:03	21:06:14	1st Charge		3.00	
	21:06	21:07:43	Electrode Slip		1.48	
	21:24	21:26:29	2nd Charge		2.33	
	21:58	22:01:07	Lab-Sample		3.00	
	22:06	22:12:03	Tapping		5.80	
	22:12	22:14:44	1st Charge		2.68	
	22:30	22:32:09	2nd Charge		1.62	
	23:04	23:07:03	Lab-Sample		2.77	
63232830	23:11	23:13:58	Lance Carbon		2.35	
	23:14	23:20:20	Tapping		5.82	
	23:20	23:25:45	1st Charge		5.42	
	23:41	23:42:56	2nd Charge		1.62	
	0:15	00:19:14	Lance Carbon		3.50	
	0:19	00:21:13	Lab-Sample		1.98	
	0:26	00:32:16	Tapping		6.03	
	0:32	00:35:16	1st Charge		3.00	
	0:35	00:36:16	Electrode Slip		1.00	
	0:36	00:37:35	Push Door		1.32	
63232832	0:39	00:49:00			9.17	Added hot with 1319 (7/21/2023 05:35 Tim Maclin)
	1:01	01:03:06	2nd Charge		1.62	
	1:33	01:41:57	Swap to backup ladle		8.35	Back-up ladle too cold, had to swap back to other ladle. (7/21/2023 05:34 Tim Maclin)
	1:48	01:50:40	Lab-Sample		2.35	
	1:51	01:59:06	Tapping		7.45	
	1:59	02:02:06	1st Charge		3.00	
	2:02	02:03:06	Electrode Slip		1.00	
	2:03	02:04:02	Electrode Slip		0.83	
	2:19	02:20:41	2nd Charge		1.50	
	2:20	02:22:34	Mash With Bucket		1.88	
63232833	2:53	02:56:21	Lab-Sample		2.42	
	3:02	03:03:38	Lance Taphole		1.00	
	3:03	03:09:01	Tapping		5.38	
	3:09	03:12:04	1st Charge		3.05	
	3:27	03:28:45	2nd Charge		1.62	
	4:02	04:09:21	Tapping		6.65	
	4:09	04:12:59	1st Charge		3.63	
	4:27	04:29:31	2nd Charge		1.63	
	5:03	05:06:36	Crane Busy		3.00	
	5:06	05:12:01	Tapping		5.42	
63232836	5:12	05:14:59	1st Charge		2.57	
	5:29	05:31:25	2nd Charge		1.75	
	6:00	06:12:55	Swap to backup ladle		12.30	
	6:21	06:27:53	Tapping		6.20	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/21/2023

heat	start time	end time	obser	reason	duration	note
63232837	5:27	06:30:53	1st Charge		3.00	
	6:30	06:39:43	Gunned Furnace		8.83	
	6:55	06:57:15	2nd Charge		1.38	
	7:34	07:41:38	Tapping		7.28	
63232838	7:41	07:44:38	1st Charge		3.00	
	7:44	08:01:37	Breakdown		16.98	bag caught fire, stuck on cable. Operator caught it before jumping shim (7/21/2023 08:05 Tim MacLin)
	8:17	08:19:24	2nd Charge		1.55	
	8:55	08:57:21	Lance Taphole		2.12	
63232839	8:57	09:03:41	Tapping		6.33	
	9:03	09:06:28	1st Charge		2.78	
	9:21	09:21:21	Break down		0.02	
	9:22	09:24:24	2nd Charge		1.50	
63232840	9:24	09:25:46	Mash With Bucket	Big Scrap on Top	1.37	
	9:48	09:55:26	Other		6.60	bled around the head strand 4 (7/21/2023 10:47 Tim MacLin)
	9:55	10:03:54	Plate Change		8.47	
	10:16	10:23:19	Tapping		6.78	
63232840	10:23	10:26:10	1st Charge		2.85	
	10:42	10:44:06	2nd Charge		1.50	
	10:44	11:01:08	Other		17.03	bled around the head strand 4 (7/21/2023 10:47 Tim MacLin)
	11:32	11:35:38	Lance Taphole		3.00	
63232841	11:36	11:42:14	Tapping		5.73	
	11:42	11:45:14	1st Charge		3.00	
	11:45	11:47:53	Electrode Slip		2.65	backslip, slipped b and c too (7/21/2023 11:48 Tim MacLin)
	11:49	11:54:06	Add Electrode		4.35	1318 (7/21/2023 12:17 Tim MacLin)
63232842	12:08	12:09:36	2nd Charge		1.57	
	12:32	12:46:04	Hook		13.87	stuck on ladle (7/21/2023 12:32 Tim MacLin)
	12:56	13:02:27	Tapping		5.62	
	13:02	13:05:26	1st Charge		2.98	
63232843	13:21	13:23:01	2nd Charge		1.48	
	13:55	13:57:42	Plate Change		2.20	
	13:59	14:00:18	Lance Taphole		1.07	
	14:00	14:06:16	Tapping		5.97	
63232843	14:06	14:09:16	1st Charge		3.00	
	14:09	14:11:01	Push Door		1.75	
	14:27	14:29:08	2nd Charge		1.53	
	15:01	15:03:34	Lance Taphole		1.90	
63232844	15:03	15:09:42	Tapping		6.13	
	15:09	15:12:42	1st Charge		3.00	
	15:12	15:13:56	Pack Tap Hole		1.23	training employee (7/21/2023 15:14 Tim MacLin)
	15:30	15:32:05	2nd Charge		1.87	
63232845	16:00	16:01:31	Carbon Boil		0.87	
	16:01	16:01:42	Electrodes Moving Slow		0.10	
	16:04	16:10:36	Tapping		5.87	
	16:10	16:13:36	1st Charge		3.00	
63232845	16:13	16:14:26	Pack Tap Hole		0.83	training employee (7/21/2023 16:18 Tim MacLin)
	16:30	16:31:47	2nd Charge		1.63	
	16:56	17:03:14	Cleaning Ladle Lip		6.70	
	17:12	17:18:21	Tapping		6.27	
63232846	17:18	17:21:21	1st Charge		3.00	
	17:21	17:22:06	Pack Tap Hole		0.75	training employee (7/21/2023 17:24 Tim MacLin)
	17:22	17:23:53	Electrode Slip		1.78	backslip, slipped b too (7/21/2023 17:25 Tim MacLin)
	17:26	17:29:49	Add Electrode		3.63	1317 (7/21/2023 17:27 Tim MacLin)
63232847	17:43	17:45:01	2nd Charge		1.65	
	18:16	18:17:13	Take Temperature		0.87	
	18:18	18:25:24	Tapping		6.85	
	18:25	18:28:24	1st Charge		3.00	
63232848	18:28	18:44:37	Gunned Furnace		16.22	
	18:59	19:00:36	2nd Charge		1.58	
	19:31	19:32:00	Carbon Boil		0.57	
	19:34	19:36:30	Lance Carbon		1.85	
63232848	19:39	19:46:29	Tapping		7.38	
	19:46	19:49:29	1st Charge		3.00	
	19:49	19:51:18	Electrode Slip		1.82	
	20:06	20:07:40	2nd Charge		1.57	
63232849	20:14	21:09:30	Breakdown		54.77	Blown high pressure hose from, tilt cylinder hard piping. (7/21/2023 23:41 Tim MacLin)
	21:40	21:46:40	Tapping		6.40	
	21:46	21:49:40	1st Charge		3.00	
	21:49	21:53:17	Waiting For Crane	On Other Job	3.62	Tapped with charge crane so ladle crane could change tundish (7/21/2023 23:40 Tim MacLin)
63232850	22:08	22:10:05	2nd Charge		1.60	
	22:40	22:41:52	Carbon Boil		1.02	
	22:45	22:52:51	Tapping		7.27	
	22:52	22:55:51	1st Charge		3.00	
63232851	22:55	23:01:46	Gunned Runner		5.92	
	23:16	23:18:01	2nd Charge		1.75	
	23:48	23:48:44	Carbon Boil		0.72	
	23:53	23:55:34	Crane Busy		2.00	Bringing out new ladle. (7/21/2023 23:59 Tim MacLin)
63232852	23:55	23:58:53	Lance Taphole		3.32	
	23:58	00:05:06	Tapping		6.22	
	0:05	00:08:06	1st Charge		3.00	
	0:08	00:12:00			3.90	Runner fill would not feed down. (7/22/2023 01:49 Tim MacLin)
63232853	0:25	00:25:01	Electrodes Moving Slow		0.02	
	0:26	00:28:45	2nd Charge		1.77	
	1:01	01:09:23	Breakdown		8.03	Changed tmsd pole. (7/22/2023 01:47 Tim MacLin)
	1:12	01:13:07	Lance Taphole		1.10	
63232852	1:13	01:20:27	Tapping		7.33	
	1:20	01:23:27	1st Charge		3.00	
	1:23	01:33:21	Wet Scrap		9.90	Slag on A Phase arm. (7/22/2023 01:46 Tim MacLin)
	1:47	01:49:33	2nd Charge		1.83	
63232853	2:22	02:30:23			7.53	Changed tmsd pole. (7/22/2023 02:47 Tim MacLin)
	2:35	02:36:45	Lance Taphole		1.50	
	2:36	02:43:34	Tapping		6.82	
	2:43	02:46:34	1st Charge		3.00	
63232854	3:02	03:03:47	2nd Charge		1.87	
	3:33	03:34:09	Carbon Boil		0.65	
	3:38	03:44:29	Tapping		6.47	
	3:44	03:47:29	1st Charge		3.00	
63232855	3:47	03:48:08	Electrode Slip		0.65	
	3:48	03:48:53	Electrode Slip		0.75	
	3:48	03:49:56	Electrode Slip		1.05	
	4:04	04:06:04	2nd Charge		1.57	
63232855	4:35	04:35:52	Carbon Boil		0.32	
	4:41	04:42:03	Lance Taphole		1.00	
	4:42	04:48:56	Tapping		6.88	
	4:48	04:53:11	1st Charge		4.25	
63232855	5:08	05:10:02	2nd Charge		1.65	
	5:40	05:41:26	Carbon Boil		0.50	
	5:44	05:52:07	Tapping		7.63	

Days
Nights250.00
250.0070%
70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/22/2023

heat	start time	end time	obsr	reason	duration	note
63232856	5:52	05:55:07	1st Charge		3.00	
	5:55	06:04:24	Gunned Furnace		9.28	
	6:18	06:20:38	2nd Charge		1.70	
	6:55	07:01:15	Tapping		6.00	
63232857	7:01	07:04:15	1st Charge		3.00	
	7:04	07:11:19	Pack Tap Hole		7.07	runnerfill hopper stopped up (7/22/2023 07:12 Tim Maclin)
	7:26	07:28:30	2nd Charge		1.67	
	8:03	08:08:23	Lance Taphole		2.83	
63232858	8:06	08:11:34	Tapping		5.18	
	8:11	08:14:34	1st Charge		3.00	
	8:14	08:16:30	Electrode Slip		1.93	backslip (7/22/2023 08:21 Tim Maclin)
	8:19	08:28:40	Add Electrode		8.78	added hot 1316 (7/22/2023 08:22 Tim Maclin)
	8:40	08:42:08	2nd Charge		1.73	
	9:15	09:17:34	Recarb		2.50	
	9:17	09:18:57	Lance Taphole		1.38	
	9:18	09:25:08	Tapping		6.18	
63232859	9:25	09:27:57	1st Charge		2.82	
	9:43	09:44:45	2nd Charge		1.65	
	10:15	10:16:35	Waiting For Crane		1.02	fire extinguisher inspection (7/22/2023 10:24 Tim Maclin)
	10:19	10:21:17	Lance Taphole		1.65	
63232860	10:21	10:26:19	Tapping		5.03	
	10:26	10:29:37	1st Charge		3.30	
	10:44	10:48:09	2nd Charge		1.68	
	11:10	11:18:50	Blank	Strand Started Late	8.63	
63232861	11:30	11:35:23	Tapping		5.23	
	11:35	11:38:23	1st Charge		3.00	
	11:38	12:00:42	Gunned Furnace		22.32	
	12:15	12:17:21	2nd Charge		1.90	
63232862	12:53	12:56:37	Lance Taphole		3.22	
	12:56	13:01:43	Tapping		5.10	
	13:01	13:04:43	1st Charge		3.00	
	13:04	13:05:59	Push Door		1.27	
63232863	13:20	13:22:26	2nd Charge		1.80	
	13:57	14:03:43:40	Tapping		6.33	
	14:03	14:06:40	1st Charge		3.00	
	14:06	14:07:40	Pack Tap Hole		1.00	hopper stopped up (7/22/2023 14:09 Tim Maclin)
	14:07	14:08:41	Electrode Slip		1.02	backslip (7/22/2023 14:09 Tim Maclin)
	14:13	14:17:42	Add Electrode		4.32	1315 (7/22/2023 14:14 Tim Maclin)
	14:28	14:30:38	2nd Charge		2.25	
	15:04	15:10:20	Tapping		6.30	
63232864	15:10	15:13:20	1st Charge		3.00	
	15:13	15:46:06	Breakdown		32.77	tightened loose hydraulic hose (7/22/2023 15:58 Tim Maclin)
	16:01	16:03:13	2nd Charge		1.78	
	16:38	16:44:12	Tapping		5.98	
63232865	16:44	16:47:01	1st Charge		2.82	
	17:01	17:01:29	Electrodes Moving Slow		0.05	
	17:01	17:03:50	2nd Charge		1.95	
	17:34	17:35:12	Carbon Boil		0.80	
63232866	17:39	17:40:01	Take Temperature		0.75	
	17:40	17:45:53	Tapping		5.87	
	17:45	17:48:53	1st Charge		3.00	
	17:48	17:50:17	Pack Tap Hole		1.40	hopper stopped up (7/22/2023 17:50 Tim Maclin)
	18:06	18:08:44	2nd Charge		1.77	
	18:42	18:45:39	Lance Taphole		2.75	
	18:45	18:50:41	Tapping		5.03	
	18:50	18:55:00	1st Charge		4.32	
63232867	19:09	19:11:24	2nd Charge		1.68	
	19:41	19:42:08	Carbon Boil		1.03	
	19:45	19:50:51	Tapping		5.83	
	19:50	19:53:51	1st Charge		3.00	
63232868	19:53	20:12:21	Breakdown		18.50	45 broke, had to replace. (7/22/2023 20:15 Tim Maclin)
	20:27	20:29:12	2nd Charge		1.58	
	21:03	21:10:16	Tapping		6.48	
	21:10	21:13:49	1st Charge		3.55	
63232869	21:28	21:30:01	2nd Charge		1.50	
	21:30	21:33:14	Mash With Bucket		3.22	
	22:05	22:12:18	Tapping		6.43	
	22:12	22:15:18	1st Charge		3.00	
63232870	22:15	22:15:57	Electrode Slip		0.65	
	22:15	22:16:48	Electrode Slip		0.85	
	22:16	22:18:07	Electrode Slip		1.32	
	22:19	22:24:08	Add Electrode		4.62	Added 1323 to tank. (7/22/2023 22:56 Tim Maclin)
	22:37	22:38:58	2nd Charge		1.53	
	23:10	23:11:18			0.53	
	23:13	23:19:08	Tapping		6.07	
	23:19	23:22:36	1st Charge		3.50	
63232871	23:37	23:38:37	2nd Charge		1.57	
	0:11	00:16:45	Tapping		5.45	
	0:16	00:20:08	1st Charge		3.38	
	0:34	00:36:17	2nd Charge		1.60	
63232872	1:09	01:16:29	Tapping		7.18	
	1:16	01:21:01	1st Charge		4.53	
	1:35	01:37:15	2nd Charge		1.58	
	2:11	02:13:05	Lance Taphole		1.18	
63232873	2:13	02:18:22	Tapping		5.28	
	2:18	02:21:52	1st Charge		3.50	
	2:36	02:38:47	2nd Charge		1.90	
	3:05	03:29:53	Pourback	Ladle did not open	24.48	
63232874	3:44	03:51:29	Tapping		7.17	
	3:51	03:54:29	1st Charge		3.00	
	3:54	04:07:39	Gunned Furnace		13.17	Gun door for pourback (7/23/2023 03:56 Tim Maclin)
	4:09	04:32:28	Pourback	Ladle did not open	22.48	
63232875	4:37	04:39:56			2.00	
	4:39	04:47:14	Tapping		7.30	
	4:47	04:50:15	Drop Start Bucket		3.00	
	4:50	05:04:41	Gunned Furnace		14.43	Gun taphole (7/23/2023 04:53 Tim Maclin)
63232876	5:19	05:20:53	2nd Charge		1.75	
	5:21	05:24:05			2.83	Touchdown alarm, something on column. (7/23/2023 05:24 Tim Maclin)
	5:53	05:57:22	Blank	Strand Started Late	3.90	
	6:03	06:06:22	Lance Taphole		3.00	
63232877	6:06	06:13:32	Tapping		7.17	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/23/2023

heat	start_time	end_time	obser	reason	duration	note
63232877	6:13	06:17:28	1st Charge		3.93	
	6:32	06:35:07	2nd Charge		2.48	
	6:39	06:42:39	Mag Bezel Ring	Excessive Build-Up	3.52	
	7:14	07:21:17	Tapping		6.77	
63232878	7:21	07:24:17	1st Charge		3.00	
	7:24	07:26:53	Pack Tap Hole		2.60	hopper stopped up (7/23/2023 07:27 Tim Maclin)
	7:41	07:43:24	2nd Charge		1.47	
	8:17	08:25:06	Tapping		7.40	
63232879	8:25	08:28:06	1st Charge		3.00	
	8:28	08:30:08	Pack Tap Hole		2.03	hopper stopped up (7/23/2023 08:30 Tim Maclin)
	8:40	08:40:44	Electrodes Moving Slow		0.02	
	8:45	08:46:47	2nd Charge		1.48	
	9:23	09:25:46	Recarb		2.70	
	9:25	09:32:16	Tapping		6.50	
	9:32	09:35:16	1st Charge		3.00	
	9:35	09:53:16	Gunned Furnace		18.00	
	9:53	10:02:26	Trash in the hopper		9.17	clean out taphole hopper (7/23/2023 10:07 Tim Maclin)
	10:19	10:21:19	2nd Charge		1.50	
	10:55	11:03:13	Tapping		7.58	
	11:03	11:06:13	1st Charge		3.00	
63232881	11:06	11:07:46	Fill Taphole Hopper		1.55	
	11:14	11:14:20			0.00	
	11:23	11:24:34	2nd Charge		1.52	
	12:00	12:07:39	Tapping		7.28	
63232882	12:07	12:10:39	1st Charge		3.00	
	12:10	16:14:22	Breakdown		243.72	lime and SiC target not reading (7/23/2023 13:19 Tim Maclin) FACT: This is a direct result of the fire that damaged wiring on 07/22/23 @ 20:30 (7/24/2023 07:38 Stack, Jason) (7/24/2023 07:39 Stack, Jason)
	16:18	16:38:15	Pourback	Other	19.57	alloy system failure (7/23/2023 16:42 Tim Maclin)
	16:45	16:48:43	Lance Carbon		3.00	
	16:48	16:50:28	Lance Taphole		1.75	
	16:50	16:57:28	Tapping		7.00	
	16:57	17:11:03	Other		13.58	heat didn't end. waited on ladle sample to charge back (7/23/2023 17:14 Tim Maclin)
	17:11	17:11:30	1st Charge		0.43	
	17:26	17:27:53	2nd Charge		1.53	
	18:01	18:04:38	Take Temperature		3.30	couldnt get light on catfish (7/23/2023 18:11 Tim Maclin)
	18:08	18:09:47	Take Temperature		1.07	
	18:09	18:14:28	Tapping		4.68	
	18:14	18:18:07	1st Charge		3.65	
63232884	18:33	18:34:39	2nd Charge		1.37	
	19:07	19:16:40	Push Door		8.78	
	19:17	19:23:25	Tapping		5.55	
	19:23	19:26:20	1st Charge		2.92	
63232885	19:40	19:42:03	2nd Charge		1.58	
	20:20	20:23:37	Lance Carbon		3.50	
	20:23	20:27:47	Tapping		4.17	
	20:27	20:30:47	1st Charge		3.00	
63232886	20:30	20:32:18			1.52	
	20:47	20:49:29	2nd Charge		1.95	
	21:28	21:29:30	Lance Carbon		1.50	
	21:29	21:35:52	Tapping		6.37	
63232887	21:35	22:54:12	Patch Bottom / Banks		78.33	
	23:10	23:11:46	2nd Charge		1.67	
	23:44	23:47:50			3.07	Soak bottom material. (7/24/2023 00:48 Tim Maclin)
	23:52	23:54:29	Lance Carbon		2.00	
	23:54	00:00:48	Tapping		6.32	
63232888	0:00	00:42:10	Door Sticking		41.37	6" nipple to the slag door oxygen line was broke. Had to be replaced. Looks as though the loader was pushing the door prior to the failure. (7/24/2023 07:50 Stack, Jason)
	0:57	00:59:13	2nd Charge		1.70	
	1:31	01:32:12	Carbon Boil		0.47	
	1:36	01:38:48	Lance Carbon		2.00	
63232889	1:38	01:44:05	Tapping		5.28	
	1:44	01:49:16	1st Charge		5.18	
	2:04	02:06:28	2nd Charge		1.83	
	2:29	05:18:59			169.02	Weigh up off on maganese. Maint trying to resolve issue. (7/24/2023 05:35 Tim Maclin) FACT: This is a direct result of the fire that damaged wiring on 07/22/23 @ 20:30 (7/24/2023 07:38 Stack, Jason)
	5:32	05:36:18	Swap to backup ladle		3.45	Ladle too dark, north preheater needs to be checked. (7/24/2023 06:44 Tim Maclin)
	5:47	05:49:58	Swap to backup ladle		2.95	Ladle too dark, north preheater needs to be checked. (7/24/2023 06:43 Tim Maclin)
	5:52	05:55:49	Swap to backup ladle		3.70	Ladle too dark, north preheater needs to be checked. (7/24/2023 06:44 Tim Maclin)
	5:56	06:01:53	Tapping		5.30	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/24/2023

heat	start time	end time	obser	reason	duration	note
63232890	6:01	06:31:34	Pourback	STS Electrical Failure	29.68	Alloy scale off. (7/24/2023 06:31 Tim Maclin) (7/24/2023 06:37 Ben Gearin) (7/24/2023 06:43 Ben Gearin)
	6:35	06:57:54			22.20	
	7:00	07:02:17			1.68	
	7:04	07:08:22	Tapping		4.05	
63232891	7:08	07:21:04	1st Charge		12.70	1323 in a.....1328s (7/24/2023 07:27 Tim Maclin)
	7:24	07:29:06	Add Electrode		4.30	
	7:39	07:41:52	2nd Charge		1.92	
63232892	8:02	08:14:07	Other		11.18	couldnt start up 4th strand temp was to hot (7/24/2023 08:03 Tim Maclin)
	8:23	08:24:34	Carbon Boil		1.12	
	8:28	08:35:38	Tapping		7.58	
	8:35	08:39:55	1st Charge		4.28	
63232893	8:56	08:58:21	2nd Charge		1.88	1328....1327 s (7/24/2023 09:53 Tim Maclin)
	9:22	09:28:33	Plate Change		6.03	
	9:37	09:37:51			0.50	
	9:38	09:43:16	Tapping		4.47	
63232894	9:43	09:48:10	1st Charge		4.90	pulling bag off vault wall (7/24/2023 10:11 Tim Maclin)
	9:50	09:54:01	Add Electrode		3.53	
	10:08	10:10:59	2nd Charge		2.77	
	10:11	10:12:34	Other		1.53	
63232895	10:47	10:47:22			0.18	
	10:47	10:57:39			10.00	
	11:04	11:05:17			0.83	
	11:13	11:14:55	2nd Charge		1.72	
63232896	11:39	11:42:24	Other		3.23	
	11:50	11:57:36	Tapping		6.68	
	11:57	12:00:36	1st Charge		3.00	
	12:16	12:18:31	2nd Charge		1.75	
63232897	12:52	13:02:22	Tapping		10.22	
	13:02	13:19:06	1st Charge		16.73	
	13:34	13:36:45	2nd Charge		1.78	
	14:10	14:17:13	Tapping		6.67	
63232898	14:17	14:20:45	1st Charge		3.53	
	14:36	14:38:41	2nd Charge		1.87	
	15:12	15:20:27	Tapping		7.78	
	15:20	15:25:45	1st Charge		5.30	
63232899	15:41	15:43:41	2nd Charge		1.95	
	16:16	16:22:36	Tapping		5.63	
	16:22	16:26:15	1st Charge		3.65	
	16:41	16:43:23	2nd Charge		1.72	
63232900	17:07	17:13:18	Plate Change		6.17	
	17:24	17:30:50	Tapping		6.40	
	17:30	17:42:24	1st Charge		11.57	
	17:58	18:00:18	2nd Charge		1.78	
63232901	18:24	18:32:02	Swap to backup ladle		7.37	
	18:39	18:39:08			0.00	
	18:42	18:51:24	Tapping		8.67	
	18:51	18:54:23	1st Charge		2.98	
63232902	19:09	19:11:11	2nd Charge		1.45	backslip. slipped C too (7/24/2023 19:58 Tim Maclin) added hot 1566 (7/24/2023 20:02 Tim Maclin)
	19:45	19:47:16	Lance Taphole		1.38	
	19:47	19:52:40	Tapping		5.40	
	19:52	19:55:40	1st Charge		3.00	
63232903	19:57	19:57:26	Electrode Slip		1.77	
	20:01	20:10:04	Add Electrode		8.75	
	20:21	20:23:28	2nd Charge		1.50	
	20:23	20:25:56	Mash With Bucket	Big Scrap on Top	2.47	
63232904	20:58	21:00:41	Recarb		1.90	
	21:01	21:05:08	Lance Taphole		3.75	
	21:05	21:09:52	Tapping		4.73	
	21:09	21:12:52	1st Charge		3.00	
63232905	21:12	21:30:49	Gunned Furnace		17.95	
	21:46	21:47:57	2nd Charge		1.50	
	21:47	21:48:45	Waiting For Crane	Training Employee	0.80	
	22:24	22:24:16	Lance Carbon		1.38	
63232906	22:25	22:28:28	Lance Carbon		2.98	
	22:28	22:34:41	Tapping		6.22	
	22:34	22:38:28	1st Charge		3.78	
	22:53	22:55:27	2nd Charge		1.50	
63232907	22:55	22:56:18	Mash With Bucket	Big Scrap on Top	0.85	
	23:29	23:31:15			1.37	
	23:34	23:40:25	Tapping		5.87	
	23:40	23:43:25	1st Charge		3.00	
63232908	23:43	23:55:33	Breakdown		12.13	water line broke (7/24/2023 23:49 Tim Maclin)
	0:12	00:13:41	2nd Charge		1.52	
	0:47	00:48:58	Lance Taphole		1.52	
	0:48	00:53:28	Tapping		4.50	
63232909	0:53	00:56:28	1st Charge		3.00	
	0:56	00:57:25	Waiting For Crane	Training Employee	0.95	
	1:14	01:16:23	2nd Charge		2.13	
	1:43	01:47:17	Cleaning Ladle Lip		3.50	
63232910	1:54	01:55:31	Take Temperature		0.97	
	1:56	02:01:17	Tapping		4.95	
	2:01	02:04:17	1st Charge		3.00	
	2:04	02:05:33	Waiting For Crane	Training Employee	1.27	
63232911	2:22	02:24:21	2nd Charge		1.50	lost butt (7/25/2023 02:25 Tim Maclin)
	2:24	02:25:21	Electrode Slip		1.00	
	2:48	02:57:29	Plate Change		8.57	
	3:05	03:06:46	Carbon Boil		0.85	
63232912	3:06	03:07:00	Electrodes Moving Slow		0.15	
	3:09	03:10:26	Take Temperature		0.72	
	3:10	03:15:34	Tapping		5.13	
	3:15	03:18:34	1st Charge		3.00	
63232913	3:18	03:19:40	Electrode Slip		1.10	backslip (7/25/2023 03:20 Tim Maclin) 1565 (7/25/2023 03:23 Tim Maclin)
	3:21	03:25:45	Add Electrode		3.97	
	3:39	03:41:49	2nd Charge		2.15	
	4:15	04:20:52	Tapping		5.18	
63232914	4:20	04:24:34	1st Charge		3.70	
	4:40	04:42:29	2nd Charge		1.98	
	5:11	05:13:05	Carbon Boil		1.12	
	5:16	05:18:13	Lance Taphole		1.37	
63232915	5:18	05:22:35	Tapping		4.37	
	5:22	05:25:35	1st Charge		3.00	
	5:25	05:37:47	Gunned Furnace		12.20	
	5:53	05:54:50	2nd Charge		1.40	
63232916	6:25	06:26:04	Carbon Boil		1.02	
	6:30	06:35:43	Tapping		5.38	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/25/2023

heat	start_time	end_time	obser	reason	duration	note
63232911	6:35	06:38:43	1st Charge		3.00	
	6:38	08:08:43	Section Size Change		90.00	
	8:08	09:02:27	Head / Arm Water Leak		53.73	90 fitting welded into arm leaking weld up leak (7/25/2023 07:35 Tim Maclin) (7/25/2023 09:52 Stack, Jason)
	9:19	09:21:40	2nd Charge		1.77	
	10:00	10:07:30	Tapping		7.42	
63232912	10:07	10:11:54	1st Charge		4.40	
	10:28	10:30:11	2nd Charge		1.72	
	10:56	11:10:38			14.53	
	11:21	11:27:29	Tapping		6.10	
63232913	11:27	11:31:06	1st Charge		3.62	
	11:47	11:49:02	2nd Charge		1.80	
	12:20	12:26:23	Carbon Boil		5.88	
	12:29	12:29:42			0.28	
	12:31	12:36:27	Tapping		5.33	
63232914	12:36	12:41:02	1st Charge		4.58	
	12:44	12:48:31	Add Electrode		3.92	1559 in a (7/25/2023 12:50 Tim Maclin)
	13:00	13:02:33	2nd Charge		1.83	
	13:33	13:39:13	Lab-Sample		5.75	
	13:43	13:48:17	Tapping		4.92	
63232915	13:48	13:51:17	1st Charge		3.00	
	13:51	14:07:11	Gunned Furnace		15.90	
	14:22	14:24:34	2nd Charge		1.73	
	14:54	14:59:07	Taking Sample TMSD		4.15	
	15:04	15:10:23	Tapping		5.90	
63232916	15:10	15:15:05	1st Charge		4.70	
	15:30	15:31:52	2nd Charge		1.65	
	16:04	16:10:35			6.15	
	16:12	16:13:19			0.80	
	16:14	16:20:03	Tapping		5.32	
63232917	16:20	16:23:11	1st Charge		3.13	
	16:40	16:42:06	2nd Charge		1.70	
	17:13	17:24:07	Plate Change		10.87	
	17:28	17:28:54			0.68	
	17:29	17:34:18	Tapping		5.03	
63232918	17:34	17:38:00	1st Charge		3.70	
	17:53	17:54:59	2nd Charge		1.72	
	18:26	18:31:20	Lab-Sample		4.85	
	18:35	18:41:04	Tapping		5.57	
63232919	18:41	18:44:04	1st Charge		3.00	
	18:44	18:51:51	Breakdown	Other	7.78	clamp unit kicked off (7/25/2023 18:53 Tim Maclin)
	19:07	19:08:32	2nd Charge		1.47	
	19:31	19:37:54	Other		6.02	problems with carbon injection, ladle came off caster late (7/25/2023 19:37 Tim Maclin)
	19:45	19:53:17	Push Door		8.00	stuck (7/25/2023 19:53 Tim Maclin)
	19:53	19:59:06	Taking Sample TMSD		5.82	
	20:04	20:08:53	Tapping		4.40	
63232920	20:08	20:11:53	1st Charge		3.00	
	20:11	20:19:18	Breakdown		7.42	replaced hose (7/25/2023 20:12 Tim Maclin)
	20:34	20:35:40	2nd Charge		1.35	
	21:07	21:11:49	Lance Carbon		4.22	
	21:11	21:15:39	Taking Sample TMSD		3.83	
	21:19	21:20:48			1.30	
	21:24	21:35:03	Tapping		10.60	
63232921	21:35	00:06:04	Patch Bottom / Banks		151.02	drained furnace. bottom temps high. added bottom material to bottom and banks (7/26/2023 00:18 Tim Maclin)
	0:21	00:28:37	Cold Furnace Start Up		7.47	
	0:48	00:54:17	Cold Furnace Start Up		5.33	
	1:01	01:11:20	Cold Furnace Start Up		10.12	
	1:14	01:22:52	Push Door		8.52	
	1:24	02:29:13			64.48	sand pipe not working (7/26/2023 01:28 Tim Maclin)
	2:31	02:32:49	Recarb		0.98	filling gun (7/26/2023 02:54 Tim Maclin)
	2:41	02:42:46	Recarb		1.02	filling gun (7/26/2023 02:54 Tim Maclin)
	2:50	02:55:34	Tapping		5.38	
63232922	2:55	02:58:34	1st Charge		3.00	
	2:58	03:16:56	Gunned Furnace		18.37	
	3:34	03:36:25	2nd Charge		1.75	
	4:07	04:07:37	Take Temperature		0.40	
	4:08	04:08:43	Take Temperature		0.55	
	4:10	04:10:43	Take Temperature		0.67	
	4:11	04:12:01	Take Temperature		0.03	
	4:12	04:12:36	Take Temperature		0.45	
	4:14	04:14:30	Take Temperature		0.08	
	4:14	04:14:55	Take Temperature		0.23	
	4:15	04:17:51	Take Temperature		1.87	
	4:17	04:21:56	Tapping		4.00	
63232923	4:21	04:24:56	1st Charge		3.00	
	4:24	04:28:47	Electrode Slip		3.85	
	4:31	04:40:46	Add Electrode		9.07	s1560 adding hot (7/26/2023 04:34 Tim Maclin)
	4:53	04:54:39	2nd Charge		1.53	
	5:25	05:27:37	Take Temperature		2.12	
	5:27	05:32:36	Taking Sample TMSD		4.98	
	5:36	05:38:06			1.87	
	5:39	05:42:35	Tapping		3.25	

Days 250.00
Nights 250.00

70%
70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/26/2023

heat	start time	end time	obser	reason	duration	note	
63232924	7/26/2023 5:42	05:45:35	1st Charge		3.00		
	7/26/2023 5:45	05:56:00	Other		10.42	checking bottom temps (7/26/2023 06:00 Tim Maclin)	
						EAF running high temps at the bottom shell. ALSO Ladle Crane bridge 480V control transformer failed. Charge crane is avaiable. (7/26/2023 07:57 Stefenon, Andre)	
	7/26/2023 6:11	12:43:56			392.05		
	7/26/2023 13:12	13:23:38	Push Door		10.97		
	7/26/2023 13:26	13:26:59			0.13		
	7/26/2023 13:27	13:27:08			0.05		
	7/26/2023 13:31	13:36:58			5.17		
	7/26/2023 13:42	13:46:31	Tapping		4.23		
					Days	250.00	70%
					Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/29/2023

heat	start time	end time	obser	reason	duration	note	
63232925	13:46	13:49:31	1st Charge		3.00		
	13:49	07:00:00	Patch Bottom / Banks		1030.48		
	7:00	07:00:00	Downday		1440.00		
	7:00	15:46:19	Patch Bottom / Banks		1966.32		
	16:03	16:16:09	2nd Charge		12.62		
	16:33	16:43:49	Cold Furnace Start Up		10.42		
	16:54	17:04:39	Cold Furnace Start Up		10.27		
	17:12	17:19:16	Lance Carbon		6.37		
	17:20	17:23:45	Cold Furnace Start Up		3.12		
	17:25	17:28:10	Cold Furnace Start Up		2.75		
	17:30	17:33:07	Cold Furnace Start Up		2.65		
	17:36	17:38:14			2.00		
	17:38	17:44:20	Tapping		6.10		
	63232926	17:44	17:47:20	1st Charge		3.00	
		17:47	17:55:40	Gunned Runner		8.33	
18:12		18:15:05	2nd Charge		2.18		
18:53		19:01:02	Tapping		7.37		
63232927		19:01	19:03:02	Pack Tap Hole		2.00	
	19:03	19:16:02	Gunned Furnace		13.00	behind slagdoor breast area west jam and under no.1 (7/29/2023 19:21 Tim Maclin)	
	19:16	19:46:02	Other		30.00	waiting on heat in the pit still stirring problems with alloyed chute and carbon system having trouble (7/29/2023 19:24 Tim Maclin)	
	19:46	19:50:02	Pourback	Chemistry	4.00	waiting on pourback (7/29/2023 19:47 Richard Phelps) (7/29/2023 19:48 Richard Phelps)	
	19:50	19:54:02	Pourback	Chemistry	4.00	pouring heat back (7/29/2023 19:50 Richard Phelps)	
	19:54	20:01:41	Other		7.65	getting skull from between todes to keep in from arcing (7/29/2023 19:57 Richard Phelps)	
	20:02	20:03:47			0.87		
	20:06	20:11:54	Lance Carbon		5.02		
	20:11	20:19:40	Taking Sample TMSD		7.77	waiting on chemistry test (7/29/2023 20:13 Richard Phelps)	
	20:24	20:27:17	Lance Taphole		2.48		
	20:27	20:34:36	Tapping		7.32		
	63232928	20:34	20:36:36	Pack Tap Hole		2.00	
		20:36	21:23:00	Break Out	Chemistry	46.40	mag sulfur ratio low caster on 2 strands waiting before charging still got 345,000 on the meter. (7/29/2023 20:39 Richard Phelps)
		21:23	21:25:02	Drop Start Bucket		2.03	
		21:43	21:44:00	2nd Charge		1.00	
21:44		21:46:52	Mash With Bucket	Dropped Charge Off-Center	2.87	mashing (7/29/2023 21:46 Richard Phelps)	
22:17		22:23:56	Taking Sample TMSD		6.17	waiting on chemistry test (7/29/2023 22:20 Richard Phelps)	
22:29		22:30:00	Take Temperature		0.63		
22:30		22:31:46	Lance Taphole		0.85		
22:31		22:38:39	Tapping		6.88		
63232929		22:38	22:42:09	1st Charge		3.50	
		22:58	23:00:06	2nd Charge		1.65	
		23:32	23:38:37	Taking Sample TMSD		6.62	waiting on chemistry test (7/29/2023 23:34 Richard Phelps)
		23:43	23:44:21	Take Temperature		1.12	slag fce off (7/29/2023 23:46 Richard Phelps)
		23:44	23:45:05	Lance Taphole		0.73	
63232930		23:45	23:51:16	Tapping		6.18	
	23:51	23:54:16	1st Charge		3.00		
	23:54	00:01:23	Gunned Furnace		7.12	gun taphole (7/29/2023 23:55 Richard Phelps)	
	0:18	00:20:22	2nd Charge		1.58		
	0:53	01:03:29	Taking Sample TMSD		10.13	waiting on chemistry test (7/30/2023 00:55 Richard Phelps)	
	1:09	01:13:31	Lance Taphole		4.12		
	1:13	01:20:32	Tapping		7.02		
	63232931	1:20	01:23:50	1st Charge		3.30	
1:39		01:39:38			0.03		
1:40		01:41:52	2nd Charge		1.73		
2:19		02:26:43	Taking Sample TMSD		7.67	waiting on chemistry test (7/30/2023 02:21 Richard Phelps)	
2:30		02:30:47	Lance Taphole		0.75		
63232932	2:30	02:37:04	Tapping		6.28		
	2:37	02:42:31	1st Charge		5.45		
	2:59	03:00:04	2nd Charge		1.00		
	3:00	03:03:00	Mash With Bucket	Dropped Charge Off-Center	2.93	mashing (7/30/2023 03:01 Richard Phelps)	
	3:35	03:38:40	Taking Sample TMSD		3.28	waiting on chemistry test (7/30/2023 03:37 Richard Phelps)	
	3:41	03:44:21	Other		3.05	waiting on chemistry test (7/30/2023 03:42 Richard Phelps)	
	3:47	03:48:18	Lance Taphole		0.60		
	3:48	03:54:31	Tapping		6.22		
	63232933	3:54	04:01:00	1st Charge		6.48	
		4:03	04:07:50	Add Electrode		4.38	
		4:21	04:22:25	2nd Charge		1.18	
		4:22	04:23:39	Mash With Bucket	Dropped Charge Off-Center	1.23	mashing (7/30/2023 04:22 Richard Phelps)
		4:55	04:58:45			3.65	
	63232934	5:01	05:10:07	Tapping		8.80	
		5:10	05:12:48	1st Charge		2.68	
5:29		05:30:52	2nd Charge		1.58		
6:01		06:15:13	Break Out		13.62	Strand 4 (7/30/2023 06:31 Tim Maclin)	
6:22		06:25:54	Break Out		3.75	Strand 4 (7/30/2023 06:31 Tim Maclin)	
6:25		06:32:42	Tapping		6.80		
Days				250.00	70%		
Nights				250.00	70%		

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/30/2023

heat	start_time	end_time	obser	reason	duration	note
63232935	6:32	06:35:27	1st Charge		2.75	
	6:50	06:52:26	2nd Charge		1.50	
	6:52	07:06:07	Mash & Mag		13.68	
	7:12	07:12:03			0.00	
	7:21	07:24:08	Pourback		2.68	Slag detection went off early, 7 tons (7/30/2023 07:33 Tim Maclin)
	7:38	10:26:55	Change Mold	Defective Mold	168.42	Change number four mold, strand two making scrap billets the torch is not following the guide rail. (7/30/2023 09:10 Tim Maclin)
	10:38	11:19:44	Recarb		41.62	Heat been sitting too long. (7/30/2023 10:47 Tim Maclin)
63232936	11:20	11:24:47	1st Charge		4.08	
	13:39	15:53:39	Breakdown		134.20	
	15:57	16:00:41	Drop Start Bucket		2.87	
	16:19	16:24:05	Breakdown		4.40	
	16:27	16:33:24	Breakdown		6.22	Number 1 faulted. (7/30/2023 16:56 EAF EAF) (7/30/2023 17:04 EAF EAF)
	16:33	16:37:20	Breakdown		3.65	Number 1 faulted. (7/30/2023 16:56 EAF EAF) (7/30/2023 17:03 EAF EAF) (7/30/2023 17:03 EAF EAF)
	16:48	16:50:42	Lance Taphole		2.00	
	16:50	16:57:06	Tapping		6.40	
63232937	16:57	17:00:06	1st Charge		3.00	
	17:00	17:20:06	Burner		20.00	
	17:20	17:44:58	Gunned Furnace		24.87	
	17:48	17:56:20	Pourback	Caster Mechanical Failure	7.47	Lost power. (7/30/2023 17:57 EAF EAF)
	18:01	18:04:01	Push Door		2.17	skull in doorway (7/30/2023 18:02 EAF EAF)
	18:07	18:08:38	Push Door		1.08	
	18:10	18:13:04	Other		2.35	fill guns up (7/30/2023 18:11 EAF EAF)
	18:18	18:18:42	Take Temperature		0.43	
	18:18	18:18:58	Take Temperature		0.22	
	18:24	18:42:44	Breakdown		18.70	can't get the ladle opened (7/30/2023 18:25 EAF EAF)
	18:43	18:56:36	Other		13.25	shift change (7/30/2023 18:46 EAF EAF)
	19:00	19:01:33	Take Temperature		0.97	
	19:02	19:02:47	Take Temperature		0.40	
	19:03	19:04:18	Take Temperature		0.58	
	19:05	19:05:31	Take Temperature		0.40	
	19:06	19:06:56	Take Temperature		0.68	
	19:08	19:14:23	Tapping		6.15	
63232938	19:14	19:28:37	Gunned Furnace		14.23	Gun around door for pourback. (7/30/2023 19:18 EAF EAF)
	19:28	19:49:16	Pourback	Caster Electrical Failure	20.65	
	19:53	20:03:26	Recarb		10.20	
	20:03	20:12:09	Lance Carbon		8.72	
	20:12	20:24:59	Lab-Sample		12.83	
	20:27	20:33:42	Redump Ladle		6.47	
	20:37	20:44:18	Tapping		7.18	
63232939	20:44	21:05:01	Break Out	Equipment	20.72	2 strand caster, steel all over withdraw rolls. (7/30/2023 21:31 EAF EAF)
	21:05	21:06:08	Drop Start Bucket		1.12	
	21:22	21:24:25	2nd Charge		1.73	
	21:26	22:09:21	Blank	Billet Jammed	42.63	Number 2 blanked its self off, 2 strand caster. (7/30/2023 21:32 EAF EAF)
	22:09	22:57:49	Blank	Billet Jammed	48.20	2 strand caster. (7/30/2023 22:10 EAF EAF)
	22:57	00:36:11	Section Size Change		98.37	Ladle temp too cold, Casters having issues with strand 2 and 3. (7/31/2023 00:38 EAF EAF) (7/31/2023 00:51 King, Brian)
	0:36	00:40:30	Other		4.22	Putting block over. (7/31/2023 00:36 EAF EAF)
	1:09	01:11:05	Clean Slag Door		1.63	
	1:14	01:21:52	Recarb		7.68	
	1:25	01:26:10	Recarb		1.17	
	1:31	01:33:30	Lance Taphole		2.18	
	1:33	01:39:12	Tapping		5.70	
63232940	1:39	01:52:50	Gunned Furnace		13.63	Gun door for pourback. (7/31/2023 01:49 EAF EAF)
	1:56	02:01:51	Pourback	Caster Mechanical Failure	5.55	
	2:01	02:18:22	Breakdown		16.52	60 ton kicked out. (7/31/2023 02:02 EAF EAF)
	2:18	02:21:26	Pourback	Caster Mechanical Failure	3.07	
	2:30	02:34:00	Lance Carbon		3.35	
	2:34	02:44:41	Lab-Sample		10.68	
	2:50	02:52:18	Other		1.72	Lance nozzle. (7/31/2023 02:51 EAF EAF)
	2:53	03:02:22	Lance Taphole		9.02	
63232941	3:02	03:04:58	1st Charge		2.60	
	3:04	03:16:09	Clean Slag Door		11.18	
	3:32	03:34:24	2nd Charge		1.78	
	4:03	04:19:54	Other		16.50	Lancing nozzle. (7/31/2023 04:08 EAF EAF)
	4:27	04:27:59	Lance Taphole		0.83	
	4:27	04:33:50	Tapping		5.85	
63232942	4:33	04:36:41	1st Charge		2.85	
	4:52	04:54:34	2nd Charge		2.15	
	4:54	04:56:01	Mash With Bucket	Excessive Build-Up	1.45	
	5:30	05:36:59	Tapping		6.50	
63232943	5:36	05:40:47	1st Charge		3.80	
	5:40	05:41:23	Electrode Slip		0.60	
	5:41	05:42:04	Electrode Slip		0.68	
	5:49	05:49:12	Electrodes Moving Slow		0.03	
	5:58	06:00:40	2nd Charge		1.93	
	6:33	06:34:15	Take Temperature		0.68	
	6:35	06:41:12	Tapping		5.70	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 7/31/2023

heat	start time	end time	obser	reason	duration	note
63232944	6:41	06:45:39	1st Charge		4.45	
	7:01	08:11:31	Breakdown		70.50	scrap dropped in bucket pit have to mag out (7/31/2023 07:03 EAF EAF)
	8:17	08:19:49	2nd Charge		1.98	
	8:51	08:51:31	Take Temperature		0.33	
	8:54	09:01:01	Tapping		6.23	
63232945	9:01	09:04:01	1st Charge		3.90	
	9:04	09:19:45	Breakdown		15.73	a phase water line popped off (7/31/2023 09:12 EAF EAF)
	9:35	09:37:22	2nd Charge		1.67	
	10:13	10:13:27	Take Temperature		0.37	
	10:14	10:14:17	Take Temperature		0.23	
	10:15	10:21:35	Tapping		6.25	
63232946	10:21	10:26:12	1st Charge		4.62	
	10:36	10:46:31			9.85	remove skull by electrode (7/31/2023 10:55 EAF EAF)
	10:51	10:53:17	2nd Charge		1.50	
	10:53	10:56:51	Other		3.57	manually swung roof on (7/31/2023 10:58 EAF EAF)
	11:31	11:31:10	Take Temperature		0.12	
	11:31	11:31:22	Take Temperature		0.08	
	11:31	11:33:47	Lance Taphole		1.95	
	11:34	11:40:39	Tapping		6.00	
63232947	11:40	11:43:39	1st Charge		3.00	
	11:43	11:59:20	Gunned Furnace		15.68	
	12:09	12:09:03	Electrodes Moving Slow		0.02	
	12:16	12:17:50	2nd Charge		1.62	
	12:53	12:53:35	Take Temperature		0.03	
	12:53	12:53:58	Take Temperature		0.30	
	12:54	13:01:44	Tapping		6.87	
63232948	13:01	13:04:53	1st Charge		3.15	
	13:13	13:16:45	Break down		3.47	
	13:24	13:26:12	2nd Charge		1.62	
	14:01	14:08:54	Tapping		7.68	
63232949	14:08	14:11:51	1st Charge		2.95	
	14:28	14:29:46	2nd Charge		1.62	
	14:56	15:00:51			4.15	
	15:09	15:09:18	Electrodes Moving Slow		0.08	
	15:09	15:10:46	Lance Carbon		1.37	
	15:12	15:20:00	Tapping		7.83	
63232950	15:20	15:22:54	1st Charge		2.90	
	15:38	15:40:10	2nd Charge		1.50	
	15:40	15:41:44	Mash With Bucket	Excessive Turnings	1.57	
	16:05	16:21:42	Plate Change		15.78	
	16:31	16:39:08	Tapping		7.18	
63232951	16:39	16:42:09	1st Charge		3.00	
	16:42	16:49:07	Breakdown		6.97	problems with carbide (7/31/2023 16:50 EAF EAF)
	17:05	17:07:05	2nd Charge		1.78	
	17:38	17:38:50	Take Temperature		0.78	
	17:40	17:40:58	Take Temperature		0.80	
	17:41	17:47:59	Tapping		6.57	
63232952	17:47	17:50:58	1st Charge		3.00	
	17:50	17:52:09	Electrode Slip		1.18	
	17:54	17:58:21	Add Electrode		3.92	s1438 (7/31/2023 17:58 EAF EAF)
	18:12	18:14:17	2nd Charge		1.48	
	18:45	18:51:38	Tapping		6.20	
63232953	18:51	18:54:38	1st Charge		3.00	
	18:54	19:02:22	Gunned Furnace		7.73	Gun under # 2 burner. (7/31/2023 18:57 EAF EAF)
	19:18	19:20:15	2nd Charge		1.52	
	19:51	19:54:21	Redump Ladle		2.57	
	19:54	19:54:30	Electrodes Moving Slow		0.05	
	19:55	20:03:20	Tapping		7.35	
63232954	20:03	20:06:28	1st Charge		3.13	
	20:21	20:23:00	2nd Charge		1.50	
	20:23	20:24:40	Mash With Bucket		1.57	
	20:54	20:57:20	Other		2.93	Changed stir mec. (7/31/2023 21:05 Tim MacIn
	21:01	21:03:23	Other		2.00	Changed stir mec. (7/31/2023 21:04 Tim MacIn
	21:03	21:09:44	Tapping		6.35	
63232955	21:09	21:13:09	1st Charge		3.42	
	21:29	21:31:01	2nd Charge		1.62	
	22:04	22:09:53	Tapping		5.85	
63232956	22:09	22:12:59	1st Charge		3.10	
	22:28	22:30:34	2nd Charge		1.72	
	23:03	23:10:11	Tapping		6.87	
63232957	23:10	23:15:44	1st Charge		5.55	
	23:31	23:32:41	2nd Charge		1.60	
	23:36	23:47:48	Changing Stir Rod		11.37	
	0:15	00:18:26	Redump Ladle		2.48	
	0:19	00:21:57	Lance Taphole		2.00	
	0:21	00:28:32	Tapping		6.58	
63232958	0:28	00:31:45	1st Charge		3.22	
	0:47	00:48:46	2nd Charge		1.70	
	1:22	01:24:10	Lance Carbon		1.50	
	1:24	01:30:38	Tapping		6.47	
63232959	1:30	01:33:36	1st Charge		2.97	
	1:39	01:39:55	Electrodes Moving Slow		0.03	
	1:49	01:50:42	2nd Charge		1.65	
	2:27	02:29:02	Redump Ladle		2.00	
	2:29	02:35:10	Tapping		6.13	
63232960	2:35	02:38:10	1st Charge		3.00	
	2:38	02:39:03	Electrode Slip		0.88	
	2:54	02:55:48	2nd Charge		1.53	
	3:29	03:33:10	Lance Taphole		3.50	
	3:33	03:38:25	Tapping		5.25	
63232961	3:38	03:41:25	1st Charge		3.00	
	3:41	03:42:29	Electrode Slip		1.07	
	3:49	03:55:08			5.23	Tripped/ Cave-in (8/1/2023 04:07 Tim MacIn
	4:03	04:05:09	2nd Charge		1.90	
	4:39	04:39:38	Carbon Boil		0.50	
	4:42	04:48:28	Tapping		5.87	
63232962	4:48	04:51:28	1st Charge		3.00	
	4:51	04:52:31			1.05	Put up runner fill. (8/1/2023 05:25 Tim MacIn
	5:07	05:09:14	2nd Charge		1.65	
	5:42	05:44:37	Lance Carbon		2.00	
	5:44	05:50:19	Tapping		5.70	
63232963	5:50	05:53:19	1st Charge		3.00	
	5:53	05:54:04	Electrode Slip		0.75	
	5:54	05:55:30	Electrode Slip		1.43	
	6:10	06:12:01	2nd Charge		1.72	
	6:44	06:50:35	Tapping		6.33	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/1/2023

heat	start time	end time	obser	reason	duration	note
63232964	6:50	06:52:35	Pack Tap Hole		2.00	
	6:52	07:16:30	Gunned Furnace		23.92	
	7:32	07:33:58	2nd Charge		1.55	
	8:05	08:14:58	Tapping		9.07	
63232965	8:14	08:18:52	1st Charge		3.90	
	8:18	08:19:26	Electrode Slip		0.57	Backslip (8/1/2023 08:25 Richard Phelps)
	8:22	08:33:59	Add Electrode		11.08	1437 (8/1/2023 08:25 Richard Phelps)
	8:46	08:48:26	2nd Charge		1.63	
	9:19	09:20:20	Door Sticking		1.30	
	9:21	09:23:01	Recarb		1.28	
	9:24	09:24:46	Take Temperature		0.32	
	9:25	09:25:38	Take Temperature		0.43	
	9:26	09:26:34	Electrodes Moving Slow		0.08	
	9:26	09:27:59	Take Temperature		1.32	
	9:29	09:34:58	Tapping		5.88	
	9:34	09:38:46	1st Charge		3.80	
63232966	9:38	09:39:06	Electrode Slip		0.33	Backslip (8/1/2023 09:41 Richard Phelps)
	9:42	09:46:29	Add Electrode		4.40	1436 (8/1/2023 09:46 Richard Phelps)
	9:46	09:52:05	Other		5.60	Big skull on delta up against C phase (8/1/2023 09:52 Richard Phelps)
	10:04	10:06:25	2nd Charge		1.52	
	10:38	10:38:53	Take Temperature		0.70	
	10:39	10:45:24	Tapping		5.68	
	10:45	10:47:51	1st Charge		2.45	
	11:04	11:05:31	2nd Charge		1.50	
	11:38	11:39:59	Lance Taphole		1.93	
	11:39	11:45:43	Tapping		5.73	
63232968	11:45	11:49:18	1st Charge		3.58	
	12:05	12:06:36	2nd Charge		1.53	
	12:39	12:51:11	Blank	Make Sequence	11.60	Ladle did not open, had to lance ladle open. 2 strand casters was on 4 strands but had to blank 2 strands before running tundish dry. (8/1/2023 12:48 Richard Phelps)
	12:54	12:59:05	Blank	Make Sequence	4.60	Ladle did not open, had to lance ladle open. 2 strand casters was on 4 strands but had to blank 2 strands before running tundish dry. (8/1/2023 13:01 Richard Phelps)
63232969	12:59	13:04:28	Tapping		5.38	
	13:04	13:09:55	Clean Slag Door		5.45	
	13:26	13:27:34	2nd Charge		1.57	
	13:45	13:51:43	Blank	Make Sequence	5.90	Ladle did not open, had to lance ladle open. 3 strand casters was on 4 strands but had to blank 2 strands before running tundish dry (8/1/2023 13:49 Richard Phelps)
	14:06	14:06:31	Other		0.22	Was told to run electrodes up because argon was not ready. Lad tenders said they would have it ready so I ran sticks back down into bath. (8/1/2023 14:10 Richard Phelps)
	14:07	14:13:57	Tapping		6.88	
63232970	14:13	14:17:45	1st Charge		3.80	
	14:17	14:18:10	Electrode Slip		0.42	
	14:34	14:35:38	2nd Charge		1.50	
	15:05	15:11:46	Blank	Strand Started Late	6.67	
	15:14	15:23:10	Tapping		9.62	
63232971	15:24	15:27:51	1st Charge		3.68	
	15:43	15:45:15	2nd Charge		1.55	
	15:54	15:54:18			0.00	
	16:13	16:19:44	Other		5.85	Chain broke on ladle, maintance welding it back. (8/1/2023 16:1 Richard Phelps)
	16:24	16:31:55	Tapping		7.58	
63232972	16:31	16:34:35	1st Charge		2.67	
	16:50	16:52:59	2nd Charge		2.73	
	17:21	17:31:33	Plate Change		10.10	
	17:35	17:44:30	Tapping		9.32	
	17:44	17:47:55	1st Charge		3.42	
63232973	18:04	18:06:01	2nd Charge		1.58	
	18:37	18:38:11	Take Temperature		0.47	
	18:38	18:38:24	Electrodes Moving Slow		0.05	
	18:40	18:42:33	Take Temperature		1.83	
	18:44	18:45:10	Take Temperature		0.47	
63232974	18:45	18:46:25	Lance Taphole		0.60	
	18:46	18:52:17	Tapping		5.87	
	18:52	18:55:17	1st Charge		3.00	
	18:55	18:55:33	Electrode Slip		0.60	
	18:55	18:56:54	Electrode Slip		1.02	
	18:59	19:03:50	Add Electrode		4.00	Added 1435 to tank. (8/1/2023 19:01 Tim MacIn)
	19:16	19:18:28	2nd Charge		1.58	
	19:50	19:56:15	Tapping		6.13	
63232975	19:56	19:59:38	1st Charge		3.38	
	20:14	20:16:35	2nd Charge		1.62	
	20:47	20:49:03	Take Temperature		1.25	
	20:51	20:56:50	Tapping		5.68	
63232976	20:56	21:00:04	1st Charge		3.23	
	21:14	21:17:31	2nd Charge		2.78	
	21:49	21:55:22	Tapping		5.80	
	21:55	21:58:22	1st Charge		3.00	
63232977	21:58	21:59:56	Electrode Slip		1.57	
	22:17	22:19:17	2nd Charge		1.62	
	22:50	22:57:01	Tapping		6.57	
	22:57	23:00:14	1st Charge		3.22	
63232978	23:16	23:17:52	2nd Charge		1.67	
	23:51	23:52:48	Carbon Boil		0.95	
	23:54	00:00:15	Tapping		5.72	
	0:00	00:03:59	1st Charge		3.73	
63232979	0:19	00:21:17	2nd Charge		1.90	
	0:52	00:58:41	Tapping		6.23	
	0:58	01:01:45	1st Charge		3.07	
	1:17	01:18:58	2nd Charge		1.50	
	1:18	01:29:03			10.08	Tighten loose hose on roof swing. (8/2/2023 02:45 Tim MacIn)
	2:02	02:08:41	Tapping		6.63	
63232981	2:08	02:11:41	1st Charge		3.00	
	2:11	02:18:14	Breakdown		6.55	Burnt pigtail on smart cylinder. (8/2/2023 02:44 Tim MacIn)
	2:33	02:34:32	2nd Charge		1.50	
	2:34	02:36:49	Breakdown		2.28	Burnt pigtail on smart cylindr (8/2/2023 02:44 Tim MacIn)
	3:08	03:09:15	Lance Taphole		1.25	
	3:10	03:18:21	Tapping		6.18	
63232982	3:16	03:19:21	1st Charge		3.00	
	3:19	03:23:05			3.73	roof swinging slow. (8/2/2023 05:39 Tim MacIn)
	3:37	03:39:06	2nd Charge		1.50	
	3:39	03:43:18			4.20	roof swinging slow. (8/2/2023 05:40 Tim MacIn)
	4:15	04:15:47	Take Temperature		0.75	
	4:15	04:22:34	Tapping		6.78	
63232983	4:22	04:27:50	1st Charge		5.27	
	4:43	04:47:08	2nd Charge		3.65	
	5:16	05:29:17	Break Out		12.48	Number 3 (8/2/2023 05:35 Tim MacIn)
	5:32	05:33:02	Take Temperature		0.45	
	5:33	05:35:42	Break Out		2.00	Number 3. (8/2/2023 05:38 Tim MacIn)
	5:35	05:41:23	Tapping		5.68	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/2/2023

heat	start_time	end_time	obser	reason	duration	note
63232984	5:41	08:11:38	Breakdown		150.25	Seal busted, worked on seal to stop leak. Hydraulic leak caught fire and burned wires up to cylinder causing roof to hit wall when swinging off. (8/2/2023 11:34 Richard Phelps)
	8:11	09:41:38	Section Size Change		90.00	
	9:57	09:58:46	2nd Charge		1.65	
	10:38	10:44:10	Lance Carbon		5.52	
	10:45	10:46:41	Lance Taphole		1.18	
	10:46	10:56:41	Tapping		10.00	
63232985	10:56	10:59:41	1st Charge		3.00	
	10:59	11:26:58	Gunned Furnace		27.28	tried to lance taphole open (8/2/2023 11:21 Richard Phelps) D shift gunned taphole up. (8/2/2023 11:31 Richard Phelps)
	11:42	11:42:43			0.00	
	11:43	11:44:39	2nd Charge		1.60	
	12:17	12:21:37	Recarb		4.15	
	12:22	12:31:46	Tapping		9.13	Long tap from D shift gunned tap hole up. (8/2/2023 12:34 Richard Phelps)
63232986	12:31	12:43:07	Lance Taphole		11.35	Tap hole was covered with gunning material after D shift gunned furnace before shift change. After tap we lanced it from slag door. (8/2/2023 12:52 Richard Phelps) 1439 (8/2/2023 12:50 Richard Phelps) Added hot (8/2/2023 12:55 Richard Phelps)
	12:47	12:58:14	Add Electrode		10.48	
	13:10	13:11:33	2nd Charge		1.48	
	13:41	13:50:09	Recarb		8.17	
	13:52	13:59:25	Tapping		6.92	
63232987	13:59	14:07:27	Other		8.03	Ladle had carbon reaction, making sure sample is good before charging back. (8/2/2023 14:04 Richard Phelps)
	14:23	14:24:49	2nd Charge		1.47	
	14:58	14:58:46	Carbon Boil		0.65	
	14:59	15:07:11	Lab-Sample		7.28	
	15:09	15:16:06	Tapping		6.52	
63232988	15:16	15:19:24	1st Charge		3.30	
	15:35	15:36:32	2nd Charge		1.50	
	16:03	16:04:34	Carbon Boil		0.62	
	16:08	16:17:17	Plate Change		8.85	
	16:18	16:22:20	Door Sticking		4.00	
	16:26	16:35:43	Recarb		8.93	
63232989	16:35	16:40:09	1st Charge		4.43	
	16:56	16:57:59	2nd Charge		1.63	
	17:22	17:39:41	Cleaning Ladle Lip		17.53	
	17:46	17:47:45	Take Temperature		0.88	
	17:49	17:50:48	Take Temperature		1.10	
	17:53	17:57:52	Lab-Sample		4.62	
	18:00	18:07:43	Tapping		7.72	
63232990	18:07	18:12:12	1st Charge		4.48	
	18:29	18:30:41	2nd Charge		1.57	
	19:01	19:04:25			3.28	
	19:09	19:16:28	Tapping		7.20	
63232991	19:16	19:21:37	1st Charge		5.15	
	19:36	19:38:18	2nd Charge		1.60	
	20:08	20:23:18	Blank	Strand Started Late	15.18	Running Wilton, on 3 Strands at shift change (8/3/2023 00:40 Tim Maclin)
	20:29	20:31:24	Take Temperature		2.00	
	20:31	20:37:26	Tapping		6.03	
63232992	20:37	20:40:29	1st Charge		3.05	
	20:56	20:57:37	2nd Charge		1.60	
	21:23	21:26:12	Pourback		2.48	10 Tons (8/2/2023 21:45 Tim Maclin)
	21:34	21:39:25			5.12	
	21:41	21:43:24			2.00	
	21:43	21:49:26	Tapping		6.03	
63232993	21:49	21:52:26	1st Charge		3.00	
	21:52	21:53:41	Electrode Slip		1.25	
	21:56	22:01:08	Add Electrode		4.25	Added 1396 to tank. (8/2/2023 22:01 Tim Maclin)
	22:13	22:14:58	2nd Charge		1.50	
	22:14	22:19:31			4.55	Adjusting 60 ton hook. (8/2/2023 22:43 Tim Maclin)
	22:51	22:52:49	Carbon Boil		1.00	
	22:52	22:56:14	Lab-Sample		3.42	
	22:59	23:06:15	Tapping		6.98	
63232994	23:06	23:09:51	1st Charge		3.60	
	23:25	23:26:44	2nd Charge		1.67	
	0:00	00:04:04	Lance Carbon		4.00	
	0:04	00:08:41	Lab-Sample		4.62	
	0:10	00:17:35	Tapping		6.60	
63232995	0:17	00:20:35	1st Charge		3.00	
	0:20	00:21:08	Electrode Slip		0.55	
	0:21	00:21:59	Electrode Slip		0.85	
	0:37	00:39:39	2nd Charge		1.85	
	1:09	01:17:57			8.00	Running Wilton. (8/3/2023 01:33 Tim Maclin)
	1:17	01:23:25	Plate Change		5.47	
	1:28	01:30:17	Plate Change		2.15	
	1:30	01:37:00	Tapping		6.72	
63232996	1:37	01:40:04	1st Charge		3.07	
	1:55	01:56:40	2nd Charge		1.62	
	2:27	02:42:58			15.88	
	2:49	02:56:53	Tapping		7.65	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/3/2023

heat	start time	end time	obser	reason	duration	note
63232997	2:56	05:56:53	Shutdown		180.00	
	5:56	16:35:07	Downday		638.23	Maintenace had furnace til 4:30. (8/3/2023 16:35 Tim Maclin)
	16:35	00:40:20	Downday		485.22	
	0:58	01:09:46	Cold Furnace Start Up		11.02	
	1:26	01:33:39	Cold Furnace Start Up		7.50	
	1:47	01:54:35	Cold Furnace Start Up		7.50	
	2:02	02:02:23			0.30	
	2:04	02:04:39			0.07	
	2:07	02:08:02			0.15	
	2:09	02:11:05			1.42	
	2:11	02:18:13	Tapping		6.70	
63232998	2:18	02:22:25	Turnaround		4.20	
	2:39	02:40:48	Drop 2nd Bucket		1.77	
	3:13	03:24:48	Tapping		10.95	
63232999	3:24	03:28:31	Turnaround		3.72	
	3:44	03:47:58	Drop 2nd Bucket		3.60	
	4:20	04:28:49	Tapping		7.92	
63233000	4:28	04:31:49	Turnaround		3.00	eyes on radtion dector dirty due to storm (8/4/2023 04:39 Tim Maclin) (8/4/2023 05:59 Ben Gearin) (8/4/2023 05:59 Ben Gearin)
	4:31	05:32:23	Radiation Alarm		60.57	photo eye loose and not lined up.lots of rain also cant get any of the trucks through detectors (8/4/2023 05:59 Ben Gearin)
	5:49	05:51:50	Drop 2nd Bucket		2.45	
	6:27	06:32:06	Lance Taphole		4.42	
	6:32	06:38:17	Tapping		5.77	

Days 250.00
Nights 250.00

70%
70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/4/2023

heat	start time	end time	obser	reason	duration	note
63233001	6:38	06:42:00	1st Charge		3.72	
	6:58	07:01:35	2nd Charge		3.13	
	7:36	07:41:58	Tapping		5.85	
63233002	7:41	07:45:52	1st Charge		3.90	
	7:45	07:46:46	Electrode Slip		0.90	Backslip, clamp has a delay in unlocking. (8/4/2023 07:51 Richard Phelps)
	7:46	07:47:34	Electrode Slip		0.80	
	7:47	07:49:51	Breakdown		2.28	Roof did not get down light had to lift it up and down. (8/4/2023 07:53 Richard Phelps)
	7:53	07:58:29	Add Electrode		4.73	1395 (8/4/2023 07:54 Richard Phelps)
	8:10	08:12:19	2nd Charge		1.97	
	8:45	08:53:09	Tapping		8.07	
	8:53	08:58:15	1st Charge		5.10	Wet charge caused explosion and had to slip A phase. Explosion had shop dusty and could not see to slip electrode, waited on dust to clear a little so I could see to slip electrode. (8/4/2023 09:02 Richard Phelps)
	9:14	09:33:52	Radiation Alarm		19.33	Truck 4 could not make three good passes 3 separate times. Dumping truck and getting new load. (8/4/2023 09:16 Richard Phelps) Waiting for truck 4 before dropping recharge. (8/4/2023 09:17 Richard Phelps)
	9:33	09:35:46	2nd Charge		1.90	
	9:35	10:05:58	Breakdown		30.20	Can not get roof out light. Forcing on at manual station. (8/4/2023 09:38 Richard Phelps) Roof will not swing on from manual station. (8/4/2023 09:40 Richard Phelps)
	10:05	10:09:37	1st Charge		3.65	Casters too far ahead to catch up to. Do not have the tempt to blank down to 2 strands. (8/4/2023 10:08 Richard Phelps) Going to try and catch the casters. (8/4/2023 10:26 Richard Phelps)
	10:35	10:37:03	Other		1.27	Was told roof looked like was not all the way on. Held up to make sure. (8/4/2023 10:42 Richard Phelps)
	10:40	10:44:28	Other		3.60	Was in the middle of preparing for a tundish change. Decided to try and catch caster. (8/4/2023 10:43 Richard Phelps)
	10:44	10:51:14	Tapping		6.77	
63233004	10:51	11:28:48	Breakdown		37.57	Roof would not swing off, swung off manually and could not get roof off light or force it. Maintenance worked on it again and got it working. (8/4/2023 11:30 Richard Phelps)
	11:44	11:46:28	2nd Charge		1.52	
	11:46	11:48:40	Mash With Bucket	Big Scrap on Top	2.20	
	11:48	11:59:09	Mag Bezel Ring	Excessive Build-Up	10.48	Roof pushed scrap on bezel ring, won't let roof all the way on. (8/4/2023 11:49 Richard Phelps)
	12:32	12:32:57	Take Temperature		0.86	
	12:32	12:35:54	Lance Taphole		2.95	
	12:35	12:41:48	Tapping		5.90	
63233005	12:41	12:46:56	1st Charge		5.13	
	13:03	13:05:44	2nd Charge		2.00	
	13:39	13:39:49	Take Temperature		0.73	
	13:40	13:42:18	Lance Carbon		1.80	
	13:42	13:47:32	Tapping		5.23	
63233006	13:47	13:49:14	Clean Slag Door		1.70	
	13:49	13:51:14	Pack Tap Hole		2.00	
	13:51	13:53:13	Drop Start Bucket		1.98	
	13:57	14:09:35	Add Electrode		12.32	1394. Added hot. (8/4/2023 14:00 Richard Phelps)
	14:21	14:23:59	2nd Charge		2.15	
	14:55	14:56:50	Recarb		1.20	
	14:56	15:03:55			7.08	
	15:03	15:08:39	1st Charge		4.73	
63233007	15:25	15:27:00	2nd Charge		1.87	
	16:00	16:01:16	Lance Taphole		1.20	
	16:01	16:08:36	Tapping		7.33	
	16:08	16:12:29	1st Charge		3.88	
63233008	16:20	16:23:28	Electrode Slip		3.37	also slipped C phase (8/4/2023 16:36 Richard Phelps)
	16:32	16:33:13	2nd Charge		1.90	
	16:33	16:35:36	Mash With Bucket	Dropped Charge Off-Center	2.38	mashing (8/4/2023 16:34 Richard Phelps)
	17:07	17:09:01	Recarb		2.00	678 ppm 3137 temp (8/4/2023 17:07 Richard Phelps)
	17:09	17:15:08	Tapping		6.12	
	17:15	17:19:59	1st Charge		4.85	
	17:24	17:30:12	Add Electrode		5.65	
	17:41	17:44:55	2nd Charge		3.22	
	18:16	18:16:52	Take Temperature		0.78	
	18:16	18:20:24	Lance Taphole		3.53	
63233010	18:21	18:25:57	Tapping		4.72	
	18:25	18:29:30	1st Charge		3.55	
	18:45	18:46:57	2nd Charge		1.60	
	18:46	18:49:07	Mash With Bucket	Excessive Build-Up	2.17	
	19:21	19:32:53	Breakdown		11.68	
	19:36	19:42:49	Tapping		6.82	
	19:42	19:47:33	1st Charge		4.73	
	20:04	20:06:06	2nd Charge		1.60	
63233011	20:38	20:40:04			1.82	
	20:40	20:47:21	Tapping		6.48	
	20:47	20:53:06	1st Charge		5.75	
	21:04	21:04:37			0.02	
63233012	21:09	21:10:45	2nd Charge		1.75	
	21:34	21:42:04	Breakdown		7.25	number 2 (8/4/2023 21:35 Richard Phelps)
	21:51	21:51:27	Lance Taphole		0.40	
	21:51	21:56:02	Lance Taphole		4.08	
	21:56	22:01:02	Tapping		5.00	
	22:01	22:04:58	1st Charge		3.93	
	22:20	22:22:47	2nd Charge		1.98	
63233013	22:54	23:02:46	Tapping		7.98	
	23:02	23:05:18	1st Charge		2.53	
	23:21	23:22:51	2nd Charge		1.62	
	23:46	23:53:35	Other		6.98	came off caster late (8/4/2023 23:47 Richard Phelps)
63233014	0:01	00:01:46			0.42	
	0:04	00:11:50	Tapping		7.50	
	0:11	00:16:04	1st Charge		4.23	
	0:31	00:32:55	2nd Charge		1.73	
	0:56	01:09:14	Plate Change		12.73	
	1:18	01:25:56	Tapping		7.45	
	1:25	01:29:20	1st Charge		3.40	
	1:44	01:46:49	2nd Charge		1.87	
	2:20	02:26:55	Tapping		6.80	
	2:26	02:29:54	1st Charge		2.98	
63233017	2:44	02:47:53	2nd Charge		2.97	
	3:21	03:27:54	Tapping		6.80	
	3:27	03:31:00	1st Charge		3.10	
	3:47	03:48:57	2nd Charge		1.92	
	4:22	04:27:52	Tapping		5.80	
63233019	4:27	04:33:31	1st Charge		5.65	
	4:49	04:51:21	2nd Charge		1.72	
	5:23	05:29:55	Tapping		6.85	
	5:29	05:33:15	1st Charge		3.33	
63233020	5:49	05:51:37	2nd Charge		1.88	
	6:16	06:22:51	Swap to backup ladle		6.83	
	6:34	06:35:11			0.57	
	6:35	06:41:43	Tapping		6.15	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/5/2023

heat	start time	end time	obser	reason	duration	note
63233021	6:41	06:46:33	1st Charge		4.83	
	6:53	06:53:48			0.03	
	7:03	07:04:27	2nd Charge		1.00	
	7:04	07:07:12	Electrode Slip		2.75	clamp unit wouldn't unlock it (8/5/2023 07:09 Richard Phelps)
	7:40	07:41:09	Lance Taphole		1.02	
	7:41	07:46:45	Tapping		5.60	
63233022	7:46	07:48:44	Pack Tap Hole		1.98	
	7:48	07:52:44	Breakdown	Hydraulics	4.00	replacing clamp hose (8/5/2023 07:49 Richard Phelps)
	7:52	07:54:56	Push Door		2.20	clean door area (8/5/2023 07:54 Richard Phelps)
	7:54	07:56:56	Drop Start Bucket		2.00	
	7:56	07:59:42	Electrode Slip		2.77	Also slipped B phase (8/5/2023 08:00 Richard Phelps)
	8:16	08:17:56	2nd Charge		1.80	
	8:50	08:52:05	Recarb		1.85	
	8:52	08:58:34	Tapping		5.63	
63233023	8:58	09:00:34	Pack Tap Hole		2.00	
	9:00	09:06:29	Gunned Furnace		5.92	taphole area (8/5/2023 09:08 Richard Phelps)
	9:06	09:07:43	Drop Start Bucket		1.23	
	9:23	09:25:09	2nd Charge		1.32	
	9:25	09:26:45	Mash With Bucket	Dropped Charge Off-Center	1.60	mash center (8/5/2023 09:25 Richard Phelps)
	10:00	10:01:26	Take Temperature		0.88	
	10:02	10:03:25	Lance Taphole		1.12	
	10:03	10:09:02	Tapping		5.62	
63233024	10:09	10:14:17	1st Charge		5.25	
	10:17	10:22:54	Add Electrode		5.82	
	10:36	10:38:35	2nd Charge		1.82	
	11:11	11:11:36	Take Temperature		0.42	
	11:12	11:13:31	Lance Taphole		0.68	
	11:13	11:18:18	Tapping		4.78	
63233025	11:18	11:23:56	1st Charge		5.63	
	11:40	11:41:44	2nd Charge		1.37	
	11:41	11:43:05	Mash With Bucket	Dropped Charge Off-Center	1.35	mashing (8/5/2023 11:42 Richard Phelps)
	12:14	12:14:30	Take Temperature		0.27	
	12:16	12:18:24	Lance Carbon		1.75	
	12:19	12:24:16	Tapping		5.05	
63233026	12:24	12:26:16	Pack Tap Hole		2.00	
	12:26	12:35:16	Gunned Furnace		9.00	breast area and under no.1 (8/5/2023 12:38 Richard Phelps)
	12:35	12:36:54	Drop Start Bucket		1.63	
	12:53	12:54:53	2nd Charge		1.53	
	12:54	12:56:20	Mash With Bucket	Dropped Charge Off-Center	1.45	in front of the duct mashing (8/5/2023 12:55 Richard Phelps)
	13:26	13:29:08	Push Door		2.62	skull in doorway (8/5/2023 13:27 Richard Phelps)
	13:34	13:35:26	Lance Taphole		1.07	
	13:35	13:41:05	Tapping		5.65	
63233027	13:41	13:46:04	1st Charge		4.98	
	14:02	14:03:26	2nd Charge		1.00	
	14:03	14:05:53	Mash With Bucket	Big Scrap on Top	2.18	mashing center (8/5/2023 14:06 Richard Phelps)
	14:38	14:39:01	Take Temperature		0.52	
	14:41	14:46:52	Tapping		5.13	
63233028	14:46	14:50:42	1st Charge		3.83	
	15:07	15:08:33	2nd Charge		1.47	
	15:08	15:10:40	Mash With Bucket	Big Scrap on Top	2.12	mashing center (8/5/2023 15:09 Richard Phelps)
	15:41	15:42:12	Take Temperature		0.23	
	15:43	15:43:15	Take Temperature		0.23	
	15:44	15:45:05	Take Temperature		0.70	
	15:45	15:48:06	Lance Taphole		3.02	
	15:48	15:53:44	Tapping		5.63	
63233029	15:53	15:58:22	1st Charge		4.63	
	16:00	16:14:00	Add Electrode		13.35	Added it hot 1389 went on top. (8/5/2023 16:02 Richard Phelps)
	16:27	16:29:42	2nd Charge		2.07	
	17:04	17:04:23	Take Temperature		0.30	
	17:05	17:05:36	Take Temperature		0.22	
	17:06	17:07:53	Lance Carbon		1.00	
	17:07	17:13:06	Tapping		5.22	
63233030	17:13	17:17:58	1st Charge		4.87	
	17:34	17:36:08	2nd Charge		1.55	
	17:36	17:37:37	Mash With Bucket	Dropped Charge Off-Center	1.52	mashing (8/5/2023 17:36 Richard Phelps)
	18:11	18:12:18	Lance Taphole		1.13	
	18:12	18:17:22	Tapping		5.07	
63233031	18:17	18:22:26	1st Charge		5.07	
	18:25	18:30:21	Add Electrode		5.05	
	18:43	18:45:24	2nd Charge		1.82	
	19:16	19:18:04			1.13	
	19:21	19:21:49			0.58	
	19:23	19:30:27	Tapping		6.93	
63233032	19:30	19:33:51	1st Charge		3.40	
	19:49	19:53:51	2nd Charge		3.92	
	20:01	20:07:56	Other		6.22	skull between trodes (8/5/2023 20:09 Richard Phelps)
	20:23	20:27:52	Swap to backup ladle		4.03	
	20:36	20:42:24	Tapping		5.92	
63233033	20:42	20:45:50	1st Charge		3.43	
	21:02	21:04:17	2nd Charge		1.63	
	21:37	21:42:27	Tapping		5.15	
	21:42	21:47:05	1st Charge		4.63	
63233034	22:02	22:04:38	2nd Charge		1.67	
	22:27	22:34:42	Piate Change		7.08	
	22:45	22:50:43	Tapping		5.55	
	22:50	22:53:43	1st Charge		3.00	
	22:53	23:01:01	Fill Taphole Hopper		7.30	hopper full material wont come out (8/5/2023 22:59 Ben Gearin)
	23:17	23:19:04	2nd Charge		1.62	
	23:52	23:58:15	Tapping		5.37	
63233036	23:58	00:01:18	1st Charge		3.05	
	0:16	00:18:26	2nd Charge		1.63	
	0:52	00:58:49	Tapping		6.27	
	0:58	01:01:28	1st Charge		2.65	
63233037	1:17	01:20:28	2nd Charge		2.95	
	1:54	01:54:26			0.25	
	1:54	01:59:26	Tapping		4.47	
	1:59	02:03:42	1st Charge		4.27	
63233038	2:19	02:22:26	2nd Charge		2.98	
	2:56	02:56:45			0.23	
	2:57	03:02:20	Tapping		5.18	
	3:02	03:06:03	1st Charge		3.72	
63233039	3:18	03:18:02			0.03	
	3:21	03:24:42	2nd Charge		2.85	
	3:49	03:53:44	Swap to backup ladle		4.67	
	4:01	04:01:55			0.40	
	4:02	04:07:12	Tapping		4.88	
63233040	4:07	04:12:33	1st Charge		5.35	
	4:29	04:31:44	2nd Charge		2.25	
	5:05	05:10:58	Tapping		5.70	
	5:10	05:14:20	1st Charge		3.37	
	5:30	05:32:51	2nd Charge		2.23	
	6:05	06:05:54			0.18	
	6:06	06:11:20	Tapping		4.97	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/6/2023

heat	start time	end time	obser	reason	duration	note
63233042	6:11	06:16:00	1st Charge		4.67	
	6:32	06:34:29	2nd Charge		1.63	
	6:40	06:40:23			0.03	
	7:07	07:08:43	Lance Carbon		1.67	
63233043	7:09	07:15:49	Tapping		6.20	
	7:15	07:18:49	1st Charge		3.00	
	7:18	07:28:10	Gunned Furnace		9.35	
	7:42	07:42:17			0.03	
	7:45	07:47:14	2nd Charge		1.72	
	8:20	08:22:03	Lance Carbon		1.70	
	8:24	08:25:25	Lance Taphole		1.35	
	8:25	08:30:30	Tapping		5.08	
63233044	8:30	08:36:10	1st Charge		5.67	
	8:53	08:55:01	2nd Charge		2.00	
	9:27	09:29:37	Recarb		2.00	
	9:29	09:35:36	Tapping		5.98	
63233045	9:35	09:40:52	1st Charge		5.27	
	9:44	09:49:43	Add Electrode		4.88	
	10:02	10:05:17	2nd Charge		2.80	
	10:32	10:32:47	Carbon Boil		0.45	
	10:32	10:33:01	Push Door		0.13	door stuck (8/6/2023 10:48 Richard Phelps)
	10:34	10:43:34	Push Door		8.97	door stuck (8/6/2023 10:48 Richard Phelps)
	10:46	10:52:26	Tapping		5.58	
	10:52	10:57:01	1st Charge		4.58	
63233046	11:11	11:11:44			0.00	
	11:13	11:15:09			1.37	
	11:15	11:21:10	Mash With Bucket	Dropped Charge Off-Center	6.02	mashing (8/6/2023 11:15 Richard Phelps)
	11:52	11:55:29	Recarb		2.82	930 ppm 3108 temp (8/6/2023 11:53 Richard Phelps)
	11:55	12:01:17	Tapping		5.80	
	12:01	12:07:24	1st Charge		6.12	
	12:24	12:26:46	2nd Charge		1.78	
	12:57	12:58:47	Carbon Boil		1.35	
	12:58	13:01:20	Lance Carbon		2.55	16 carbon 2967 temp (8/6/2023 12:59 Richard Phelps)
	13:02	13:03:48	Take Temperature		0.85	
	13:03	13:09:41	Tapping		5.88	
	13:09	13:12:41	Pack Tap Hole		3.00	
63233048	13:12	14:23:44	Tundish Change Only		71.05	
	14:23	14:26:44	Drop Start Bucket		3.00	
	14:26	14:29:23	Mash With Bucket	Dropped Charge Off-Center	2.65	mashing (8/6/2023 14:27 Richard Phelps)
	14:47	14:49:45	2nd Charge		1.87	
	15:08	15:18:02	Tundish Change Only		9.65	caster still working (8/6/2023 15:09 Richard Phelps)
	15:33	15:33:36	Take Temperature		0.03	
	15:33	15:35:12	Lance Carbon		1.52	
	15:35	15:35:40	Take Temperature		0.17	
	15:37	15:39:31	Lance Carbon		2.18	
	15:42	15:47:42	Tapping		5.48	
	15:47	15:52:05	1st Charge		4.38	
	16:08	16:10:43	2nd Charge		1.90	
63233049	16:45	16:53:13	Breakdown		7.67	broke pole (8/6/2023 16:46 Richard Phelps)
	16:54	16:55:46	Lance Carbon		1.23	
	16:56	16:58:58	Lance Taphole		2.13	
	16:58	17:03:46	Tapping		4.80	
63233050	17:03	17:09:31	1st Charge		5.75	
	17:15	17:25:56	Add Electrode		10.32	Added it hot put trade no. 1387 on top of it. (8/6/2023 17:18 Richard Phelps)
	17:35	17:37:24	2nd Charge		1.90	
	18:11	18:11:20	Take Temperature		0.02	
	18:11	18:11:42	Take Temperature		0.15	
	18:12	18:12:30	Take Temperature		0.22	
	18:13	18:14:56	Lance Carbon		1.73	
	18:14	18:19:55	Tapping		4.98	
63233051	18:19	18:26:27	1st Charge		6.53	
	18:30	18:35:16	Add Electrode		4.90	
	18:48	18:50:08	2nd Charge		1.78	
	19:24	19:29:53	Tapping		5.65	
63233052	19:29	19:33:26	1st Charge		3.55	
	19:50	19:52:40	2nd Charge		2.62	
	20:27	20:32:32	Tapping		5.50	
	20:32	20:39:19	1st Charge		6.78	
63233053	20:56	20:57:39	2nd Charge		1.58	
	21:32	21:32:30			0.12	
	21:33	21:39:39	Tapping		6.07	
	21:39	21:43:35	1st Charge		3.93	
63233054	22:00	22:02:16	2nd Charge		2.27	
	22:36	22:42:21	Tapping		5.92	
	22:42	22:47:54	1st Charge		5.55	
	23:04	23:07:36	2nd Charge		2.93	
63233055	23:39	23:45:12	Tapping		5.43	
	23:45	23:49:13	1st Charge		4.02	
	0:05	00:06:51	2nd Charge		1.67	
	0:39	00:40:16			0.87	
63233056	0:42	00:48:28	Tapping		6.10	
	0:48	00:55:10	1st Charge		6.70	
	1:10	01:12:26	2nd Charge		1.62	
	1:45	01:46:14			0.58	
	1:47	01:47:13			0.12	
	1:47	01:52:47	Tapping		5.05	
	1:52	01:57:47	1st Charge		5.00	
	2:13	02:15:29	2nd Charge		1.70	
63233057	2:38	02:42:52	Plate Change		4.07	
	2:47	02:50:46			2.95	
	2:54	02:57:20			2.98	
	3:00	03:06:42	Tapping		6.17	
63233058	3:06	03:11:10	1st Charge		4.47	
	3:27	03:28:54	2nd Charge		1.62	
	4:03	04:09:16	Tapping		5.35	
	4:09	04:14:33	1st Charge		5.28	
63233059	4:30	04:32:12	2nd Charge		1.60	
	5:06	05:06:35			0.22	
	5:07	05:07:24			0.13	
	5:07	05:12:40	Tapping		4.77	
63233060	5:12	05:16:40	1st Charge		4.00	
	5:33	05:34:44	2nd Charge		1.68	
	5:58	06:03:14	Redump Ladle		4.98	
	6:14	06:14:32			0.30	
63233061	6:14	06:20:26	Tapping		5.45	

Days 250.00 70%
Nights 250.00 70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/7/2023

heat	start time	end time	obsr	reason	duration	note
63233062	6:20	07:45:45	1st Charge		85.32	
	7:45	08:09:27			23.70	
	8:26	08:27:49	2nd Charge		1.50	
	8:27	08:29:25	Mash With Bucket		1.60	
	9:05	09:08:06	Tapping		3.03	
	9:10	09:17:30	Lab-Sample		6.52	
63233063	9:17	09:22:30	Gunned Furnace		5.00	
	9:22	09:32:30	Pourback	Chemistry	10.00	Door for pourback. (8/7/2023 10:35 Tim MacLin)
	9:32	09:44:46	Lance Carbon		12.27	Carbon too high. (8/8/2023 04:59 Richard Phelps)
	9:47	09:54:54	Lab-Sample		7.00	
	9:54	09:59:42	Tapping		4.80	
	10:04	10:11:45	Drop Start Bucket		7.28	
63233064	10:11	10:15:18	2nd Charge		3.50	
	10:32	10:33:32	Mash & Mag		1.50	
	10:33	10:34:54	Tapping		1.37	
	11:11	11:17:00	1st Charge		5.47	
63233065	11:17	11:23:02	2nd Charge		6.03	
	11:24	11:26:18	Mash & Mag		1.50	
	11:26	11:29:10	2nd Charge		2.87	
	11:40	11:40:51	2nd Charge		0.00	
	11:44	11:45:45	Lance Carbon		1.58	
	12:20	12:23:09	Tapping		2.87	
	12:23	12:28:39	1st Charge		4.77	
63233066	12:28	12:31:37	2nd Charge		2.97	
	12:47	12:49:15	Mash With Bucket		1.50	
	12:49	12:50:26	Swap to backup ladle		1.18	
	13:22	13:29:56	Tapping		7.05	
	13:34	13:40:04	1st Charge		5.68	
63233067	13:40	13:43:09	2nd Charge		3.08	
	13:58	13:59:58	Plate Change		1.63	
	14:33	14:40:54	Tapping		7.85	
	14:44	14:51:59	1st Charge		7.93	
63233068	14:51	14:55:59	2nd Charge		3.18	
	15:10	15:12:25	Lance Carbon		1.58	
	15:47	15:50:53	Tapping		3.00	
	15:50	15:57:09	1st Charge		6.27	
63233069	15:57	16:00:09	Push Door		3.00	
	16:00	16:01:27	2nd Charge		1.30	
	16:16	16:18:37	Carbon Boil		1.68	
	16:51	16:53:03	Lance Carbon		1.20	
	16:53	16:55:46	Tapping		2.72	
	16:57	17:02:19	1st Charge		5.98	
63233070	17:03	17:06:19	Gunned Furnace		3.00	
	17:06	17:18:59	2nd Charge		12.67	
	17:35	17:37:08	Carbon Boil		1.60	
	18:09	18:10:53	Push Door		1.72	
	18:12	18:18:21	Lance Taphole		5.43	
	18:21	18:24:07	Tapping		2.43	
	18:24	18:29:39	1st Charge		5.53	
63233071	18:29	18:33:25	2nd Charge		3.77	
	18:49	18:51:47	Lance Carbon		1.80	
	19:23	19:25:20	Take Temperature		2.00	
	19:28	19:29:08	Tapping		0.53	
	19:29	19:34:21	1st Charge		5.22	
63233072	19:34	19:38:57	Add Electrode		4.60	
	19:44	19:49:12	2nd Charge		5.12	1385 went on the spare (8/7/2023 19:45 Richard Phelps)
	20:00	20:02:50	Tapping		1.97	
	20:35	20:40:52	1st Charge		5.58	
63233073	20:40	20:45:58	Add Electrode		5.10	
	20:49	21:04:39	2nd Charge		10.73	added it hot 1357 went on top of B phase (8/7/2023 20:52 Richard Phelps)
	21:13	21:14:39	Tapping		1.63	
	21:48	21:48:37	1st Charge		0.37	
	21:49	21:54:18	2nd Charge		5.06	
63233074	21:54	21:58:02	Mash With Bucket	Excessive Build-Up	3.73	
	22:14	22:15:46	Take Temperature		1.50	
	22:15	22:20:09	Tapping		4.38	
	22:52	22:54:24	1st Charge		2.00	
	22:54	22:59:11	2nd Charge		4.78	
63233075	22:59	23:02:57	Lance Carbon		3.77	
	23:19	23:21:01	Mash With Bucket	Excessive Build-Up	1.50	
	23:21	23:22:49	Take Temperature		1.80	
	23:55	23:55:57	Lance Carbon		0.43	
	23:56	23:59:15	Lance Taphole		2.42	
	23:59	00:01:25	Tapping		2.17	
	0:01	00:06:14	1st Charge		4.82	
63233076	0:06	00:10:08	2nd Charge		3.90	
	0:25	00:28:12	Tapping		1.78	
	1:02	01:08:24	1st Charge		5.85	
63233077	1:08	01:11:27	2nd Charge		3.05	
	1:27	01:29:19	Mash With Bucket	Excessive Build-Up	1.50	
	1:29	01:31:22	Push Door		2.05	door stuck (8/8/2023 02:02 Richard Phelps)
	2:01	02:07:12	Tapping		6.08	
	2:10	02:17:15	1st Charge		6.62	
63233078	2:17	02:22:04	2nd Charge		4.82	
	2:37	02:39:19	Plate Change		1.90	
	3:11	03:15:11	Take Temperature		4.08	
	3:16	03:17:03	Lance Taphole		0.43	
	3:17	03:18:43	Tapping		1.00	
	3:18	03:21:03	1st Charge		2.33	
	3:21	03:26:24	2nd Charge		5.35	
63233079	3:26	03:31:06	Lance Carbon		4.70	
	3:47	03:49:03	Lance Carbon		1.82	
	4:21	04:22:57	Lance Carbon		1.40	lancing skull in the door (8/8/2023 04:27 Richard Phelps)
	4:24	04:25:39	Tapping		1.52	
	4:25	04:30:55	1st Charge		5.27	
63233080	4:30	04:34:44	2nd Charge		3.82	
	4:50	04:51:46	Mash With Bucket		1.50	
	4:51	04:52:51	Cleaning Ladle Lip		1.08	
	5:27	05:30:44	Lance Taphole		3.00	Rubbing pot. (8/8/2023 05:28 Richard Phelps)
	5:30	05:31:56	Tapping		1.20	
	5:31	05:37:27	1st Charge		5.52	
63233081	5:37	05:40:27	Electrode Slip		3.00	
	5:40	05:41:27	Electrode Slip		1.00	
	5:41	05:42:26	2nd Charge		0.98	
	5:57	05:59:28	Tapping		1.75	
	6:34	06:40:20			5.90	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/8/2023

heat	start time	end time	obsr	reason	duration	note
63233082	6:40	06:43:24	1st Charge		3.07	
	6:59	07:00:47	2nd Charge		1.50	
	7:00	07:01:58	Mash With Bucket		1.18	
	7:34	07:36:17	Other		2.15	Normal duties. (8/8/2023 07:39 Tim MacLin)
63233083	7:37	07:43:25	Tapping		5.60	
	7:43	07:46:42	1st Charge		3.28	
	8:02	08:04:19	2nd Charge		1.80	
	8:36	08:37:18	Take Temperature		0.77	
63233084	8:38	08:40:19	Carbon Boil		2.08	
	8:41	08:48:46	Tapping		7.17	
	8:48	08:51:46	1st Charge		3.00	
	8:51	08:52:34	Electrode Slip		0.80	
63233085	8:52	08:53:16	Electrode Slip		0.70	
	8:53	08:54:04	Electrode Slip		0.80	
	8:56	09:00:47	Add Electrode		4.28	1358 to tank. (8/8/2023 09:36 Tim MacLin)
	9:14	09:15:56	2nd Charge		1.52	
63233086	9:43	10:47:46	Operator Error		64.63	Crane ripped lines from cylinder and yoyo, could not make the pig. Changed tundish. (8/8/2023 09:53 Tim MacLin)
	10:59	11:03:07	Lance Taphole		3.42	
	11:04	11:09:37	Tapping		5.22	
63233087	11:09	11:32:37	Operator Error		23.00	Ladle crane ripped hydraulic lines from equip.. (8/8/2023 11:33 Tim MacLin)
	11:32	11:36:21	Pourback	Other	3.73	
	11:38	11:43:27	Lance Carbon		5.00	
	11:43	11:51:36	Lab-Sample		8.15	
63233088	11:56	12:02:44	Tapping		6.60	
	12:02	12:05:50	1st Charge		3.10	
	12:21	12:23:31	2nd Charge		1.62	
	12:53	13:03:59	Plate Change		10.75	
63233089	13:08	13:08:48	Take Temperature		0.67	
	13:10	13:12:19	Plate Change		2.00	
	13:12	13:17:45	Tapping		5.43	
	13:17	13:20:45	1st Charge		3.00	
63233090	13:20	13:27:22			6.62	Skull in front of port. (8/8/2023 16:27 Tim MacLin)
	13:42	13:44:34	2nd Charge		1.60	
	14:14	14:25:53	Plate Change		11.52	
	14:32	14:33:11	Lance Taphole		1.00	
63233091	14:33	14:39:01	Tapping		5.83	
	14:39	14:42:01	1st Charge		3.00	
	14:42	14:42:34	Electrode Slip		0.55	
	14:42	14:43:08	Electrode Slip		0.57	
63233092	14:58	15:00:08	2nd Charge		1.50	
	15:00	15:01:38	Mash With Bucket		1.50	
	15:34	15:42:35	Tapping		7.75	
	15:42	15:45:35	1st Charge		3.00	
63233093	15:45	15:46:57			1.37	Put up runner fill. (8/8/2023 16:26 Tim MacLin)
	16:03	16:04:39	2nd Charge		1.63	
	16:39	16:47:27	Tapping		8.18	
	16:47	16:49:27	Pack Tap Hole		2.00	
63233094	16:49	16:50:51	Plugged		1.40	unstopping mgo (8/8/2023 16:50 Tim MacLin)
	16:50	16:52:51	Drop Start Bucket		2.00	
	16:52	16:53:21	Electrode Slip		0.50	
	17:09	17:11:11	2nd Charge		1.72	
63233095	17:44	17:45:27	Take Temperature		1.03	
	17:45	17:51:11	Tapping		5.73	
	17:51	17:55:49	1st Charge		4.63	
	18:11	18:12:22	2nd Charge		1.22	
63233096	18:12	18:13:39	Mash With Bucket	Dropped Charge Off-Center	1.28	mash center (8/8/2023 18:12 Tim MacLin)
	18:47	18:49:26	Lance Taphole		1.92	
	18:49	18:55:11	Tapping		5.75	
	18:55	19:00:57	1st Charge		5.77	
63233097	19:03	19:08:05	Add Electrode		4.45	added 1372 to the tank (8/8/2023 19:08 Tim MacLin)
	19:22	19:23:37	2nd Charge		1.50	
	19:23	19:31:52	Mash With Bucket	Excessive Build-Up	8.25	have to use magnet (8/8/2023 19:25 Tim MacLin)
	20:04	20:10:43	Tapping		6.48	
63233098	20:10	20:14:20	1st Charge		3.62	
	20:30	20:31:39	2nd Charge		1.50	
	20:31	20:33:43	Mash With Bucket	Excessive Build-Up	2.07	
	21:08	21:14:29	Tapping		6.27	
63233099	21:14	21:17:29	1st Charge		3.00	
	21:17	21:24:07	Plugged		6.63	#2 stopped up (8/8/2023 21:18 Tim MacLin)
	21:41	21:42:51	2nd Charge		1.77	
	22:13	22:18:30	Swap to backup ladle		5.05	
63233100	22:22	22:26:52	Lance Carbon		4.15	
	22:27	22:35:17	Tapping		7.47	
	22:35	22:40:48	1st Charge		5.52	
	22:43	22:55:17	Add Electrode		11.52	s1361 (8/8/2023 22:46 Tim MacLin)adding hot (8/8/2023 22:46 Tim MacLin)
63233101	23:08	23:10:29	2nd Charge		1.70	
	23:41	23:42:34			1.07	
	23:43	23:48:42	Tapping		5.58	
	23:48	23:52:52	1st Charge		4.17	
63233102	0:09	00:11:28	2nd Charge		1.55	
	0:11	00:13:10	Mash With Bucket	Dropped Charge Off-Center	1.70	mashing (8/9/2023 00:11 Tim MacLin)
	0:43	00:46:34	Lance Carbon		3.17	20 carbon (8/9/2023 00:43 Tim MacLin)
	0:49	00:55:02	Tapping		6.03	
63233103	0:55	00:58:42	1st Charge		3.67	
	1:15	01:17:30	2nd Charge		1.78	
	1:51	01:53:11	Lance Taphole		2.07	
	1:53	01:58:26	Tapping		5.25	
63233104	1:58	02:01:29	1st Charge		3.05	
	2:19	02:20:46	2nd Charge		1.72	
	2:51	02:54:39	Push Door		3.10	door stuck (8/9/2023 02:52 Richard Phelps)
	2:57	02:59:37	Lance Carbon		2.40	
63233105	3:00	03:06:37	Tapping		6.23	
	3:06	03:09:37	1st Charge		3.00	
	3:09	03:10:21	Electrode Slip		0.73	
	3:27	03:29:03	2nd Charge		1.73	
63233106	4:04	04:09:49	Tapping		5.65	
	4:09	04:14:19	1st Charge		4.50	
	4:14	04:16:15	Fill Taphole Hopper		1.93	
	4:33	04:35:15	2nd Charge		1.78	
63233107	5:04	05:06:06			1.15	
	5:09	05:16:11	Tapping		7.15	
	5:16	05:18:56	1st Charge		2.75	
	5:34	05:36:25	2nd Charge		1.50	
63233108	5:36	05:38:19	Mash With Bucket		1.90	
	5:48	05:54:18			5.87	Tripped (8/9/2023 05:52 Tim MacLin)
	6:19	06:21:44			2.82	
	6:21	06:26:56	Tapping		5.20	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/9/2023

heat	start_time	end_time	obser	reason	duration	note
63233102	6:26	06:29:56	1st Charge		3.00	
	6:29	06:30:55	Electrode Slip		0.98	
	6:46	06:48:15	2nd Charge		1.77	
	7:21	07:21:55	Carbon Boil		0.85	
	7:23	07:24:14	Lance Carbon		1.00	
63233103	7:24	07:30:58	Tapping		6.73	
	7:30	07:34:35	1st Charge		3.62	
	7:50	07:51:56	2nd Charge		1.50	
	7:51	07:53:29	Mash With Bucket		1.55	
	8:26	08:32:05	Tapping		5.22	
63233104	8:32	08:36:35	1st Charge		4.50	Trainee in crane. (8/9/2023 08:41 Tim Maclin)
	8:36	08:38:05	Push Door		1.50	
	8:38	08:40:38			2.55	Hooked mgo hose to furnace. (8/9/2023 08:42 Tim Maclin)
	8:56	08:58:43	2nd Charge		2.22	
	9:30	09:33:51	Plate Change		3.00	
	9:33	09:37:20	Sanding Machine		3.48	Pipe bent. (8/9/2023 09:51 Tim Maclin)
	9:40	09:42:52	Other		2.00	On 4x6's caster behind. 4 strands. (8/9/2023 16:40 Tim Maclin)
	9:42	09:45:52	Lance Taphole		3.00	
	9:45	09:52:03	Tapping		6.18	
	9:52	09:55:18	1st Charge		3.25	
63233105	9:55	09:58:02	Push Door		2.73	
	9:58	09:58:36	Electrode Slip		0.57	
	9:58	09:59:30	Add Electrode		0.90	
	10:01	10:05:13	Add Electrode		4.08	1368 to tank (8/9/2023 10:59 Tim Maclin)
	10:18	10:20:32	2nd Charge		1.60	
	10:52	10:54:05			1.50	On 4x6's caster behind. 4 strands. (8/9/2023 16:40 Tim Maclin)
	10:54	10:55:35	Lance Taphole		1.50	
	10:55	11:00:50	Tapping		5.25	
	11:00	11:04:47	1st Charge		3.95	Trainee in crane. (8/9/2023 12:46 Tim Maclin)
	11:20	11:21:32	2nd Charge		1.50	
63233106	11:21	11:23:50	Mash With Bucket		2.30	
	11:57	11:58:56	Carbon Boil		1.08	
	12:01	12:02:17	Lance Taphole		1.25	
	12:02	12:08:20	Tapping		6.05	
	12:08	12:11:43	1st Charge		3.38	
63233107	12:26	12:28:13	2nd Charge		1.50	
	12:28	12:34:10	Mash With Bucket	Excessive Build-Up	5.95	
	13:06	13:07:08	Carbon Boil		0.48	
	13:09	13:10:26	Lance Taphole		1.13	
	13:10	13:16:31	Tapping		6.08	
63233108	13:16	13:19:31	1st Charge		3.00	
	13:19	13:20:16	Electrode Slip		0.75	
	13:20	13:21:09	Electrode Slip		0.88	
	13:37	13:39:29	2nd Charge		2.13	
	14:12	14:12:52	Take Temperature		0.32	
	14:14	14:17:51			3.00	On 4x6's caster behind. 4 strands. (8/9/2023 16:39 Tim Maclin)
	14:17	14:22:47	Crane Busy		4.93	
	14:22	14:27:34	1st Charge		4.78	
	14:34	14:34:08			0.00	
	14:42	14:44:26	2nd Charge		1.85	
63233109	15:19	15:22:06			3.00	On 4x6's caster behind. (8/9/2023 16:39 Tim Maclin)
	15:22	15:27:21	Tapping		5.25	
	15:27	15:30:21	1st Charge		3.00	
	15:30	15:40:49	Ran Slinger		10.47	
	15:56	15:57:55	2nd Charge		1.50	
63233110	15:57	16:01:18	Mash With Bucket	Excessive Build-Up	3.38	
	16:34	16:40:10	Other		6.00	On 4x6's caster behind. 4 strands. (8/9/2023 16:44 Tim Maclin)
	16:40	16:45:56	Tapping		5.77	
	16:45	16:50:31	1st Charge		4.58	
	17:07	17:08:56	2nd Charge		1.90	
63233111	17:38	17:40:16	Take Temperature		1.52	bad readings (8/9/2023 17:45 Tim Maclin)
	17:44	17:50:39	Tapping		5.82	
	17:50	17:56:22	1st Charge		5.72	
	18:12	18:13:52	2nd Charge		1.82	
	18:13	18:17:13	Mash With Bucket	Dropped Charge Off-Center	3.35	mashing (8/9/2023 18:14 Tim Maclin)
63233112	18:23	18:23:07	Mag Bezel Ring	Other	0.08	mag (8/9/2023 18:24 Tim Maclin)
	18:23	18:25:21	Mag Bezel Ring	Other	2.08	scrap on bezel ring (8/9/2023 18:24 Tim Maclin)
	18:36	18:56:57	Hoses		20.70	Bad gas line under the furnace. (8/9/2023 18:50 Tim Maclin)
	19:13	19:14:36	Take Temperature		1.00	
	19:14	19:19:36	Tapping		5.00	
63233113	19:19	19:25:04	1st Charge		5.47	
	19:41	19:43:37	2nd Charge		2.15	
	20:17	20:19:45	Take Temperature		2.20	bad temps (8/9/2023 20:20 Tim Maclin)
	20:19	20:25:45	Tapping		6.00	
	20:25	20:31:28	1st Charge		5.72	
63233114	20:47	20:49:30	2nd Charge		1.62	
	21:19	21:20:46	Carbon Boil		0.78	
	21:23	21:26:37	Other		2.82	tapping with the charge crane (8/9/2023 21:24 Tim Maclin)
	21:29	21:30:52	Lance Taphole		1.83	
	21:30	21:35:53	Tapping		5.02	
Days				250.00	70%	
Nights				250.00	70%	

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/11/2023

heat	start time	end time	obser	reason	duration	note
63233115	21:35	11:13:21	Downday		2257.47	
	11:15	11:47:57	Electrode Break	Pin Break	32.48	gonee short stick it both parts good (8/11/2023 11:34 Tim Maclin)
	12:04	12:12:45	Cold Furnace Start Up		7.98	
	12:28	12:34:00	Cold Furnace Start Up		5.48	
	12:48	12:57:09	Cold Furnace Start Up		8.43	
	13:04	13:05:16			0.30	
	13:07	13:07:28			0.27	
	13:08	13:08:46			0.02	
	13:08	13:09:32			0.57	
	13:10	13:16:16	Tapping		6.05	
63233116	13:16	13:19:36	1st Charge		3.33	
	13:37	13:39:44	2nd Charge		2.50	
	14:14	14:14:47	Take Temperature		0.17	
	14:15	14:15:58	Take Temperature		0.25	
	14:17	14:17:38	Take Temperature		0.57	
	14:18	14:19:45	Lance Taphole		1.30	
	14:20	14:26:33	Tapping		5.82	
63233117	14:26	14:30:06	1st Charge		3.55	
	14:48	14:52:31	2nd Charge		4.13	
	15:28	15:30:32			1.68	
	15:31	15:39:33	Tapping		8.22	
63233118	15:39	15:44:05	1st Charge		4.53	
	15:45	15:56:24	Add Electrode		10.60	we put broe peace back on top (8/11/2023 15:56 Tim Maclin)
	16:11	16:14:17	2nd Charge		2.52	
	16:47	16:49:20	Lance Taphole		1.72	
	16:49	16:49:25			0.00	
	16:50	16:57:27	Tapping		7.32	
63233119	16:57	17:01:38	1st Charge		4.18	
	17:18	17:21:07	2nd Charge		2.47	
	17:53	17:57:41	Push Door		3.85	
	17:59	18:00:04			1.02	
	18:01	18:09:46	Tapping		8.48	
63233120	18:09	18:12:40	1st Charge		2.90	
	18:30	18:33:01	2nd Charge		2.60	
	18:58	19:01:32	Redump Ladle		2.80	
	19:12	19:15:44	Lance Carbon		2.85	
	19:15	19:17:49	Lance Taphole		2.08	
	19:17	19:23:23	Tapping		5.57	
63233121	19:23	19:26:23	1st Charge		3.00	
	19:26	19:31:09	Plugged		4.77	
	19:48	19:50:24	2nd Charge		1.42	
	20:20	20:33:28	Push Door		12.53	door stuck (8/11/2023 20:22 Tim Maclin)
	20:39	20:45:37	Tapping		6.20	
63233122	20:45	20:48:37	1st Charge		3.00	
	20:48	22:32:45	Door Sticking		104.13	Steel leaked through bottom of slag door, caused door to stick. Also water leak from coupling on slag door. (8/13/2023 22:04 Tim Maclin)
	22:32	23:56:18	Door Sticking		83.55	
	0:13	00:15:10	2nd Charge		1.50	
	0:15	00:21:07	Mash With Bucket	xcessive Build-U	5.95	
	0:52	00:53:20	Take Temperature		0.43	
	0:55	00:57:59	Push Door		2.28	
	1:02	01:02:45	Take Temperature		0.57	
	1:03	01:07:01	Take Temperature		3.07	Could not get proper temp, steel on catfish. (8/13/2023 22:09 Tim Maclin)
	1:08	01:15:26	Take Temperature		6.67	

Days 250.00 70%
Nights 250.00 70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/12/2023

heat	start_time	end_time	obser	reason	duration	note
63233123	8/12/2023 1:15	01:18:26	1st Charge		3.00	
	8/12/2023 1:18	12:16:19	Furnace Burnthrough		657.88	burn through on casette on east side (8/12/2023 01:54 Tim Maclin) (8/12/2023 11:56 Ben Gearin)
	8/12/2023 12:23	12:23:49			0.02	
	8/12/2023 12:36	12:38:40	2nd Charge		2.50	
	8/12/2023 13:16	13:16:34			0.00	
	8/12/2023 13:18	13:18:59			0.07	
	8/12/2023 13:20	13:20:19			0.25	
	8/12/2023 13:21	13:22:23			1.10	
	8/12/2023 13:22	13:25:14			2.33	
	8/12/2023 13:25	13:26:22			0.40	
	8/12/2023 13:27	13:32:16	Tapping		5.05	
63233124	8/12/2023 13:32	01:19:30	Jet Box		707.23	Jet Box #2 leaking water (8/14/2023 07:57 Stefenon, Andre) FACT: The steel level was too high due to excessive bottom material. (8/14/2023 08:20 Stack, Jason)
	8/13/2023 1:36	01:39:03	2nd Charge		2.33	
	8/13/2023 2:09	02:11:06	Take Temperature		1.35	
	8/13/2023 2:22	02:24:15	Take Temperature		1.55	
	8/13/2023 2:24	02:24:29	Electrodes Moving Slow		0.02	
	8/13/2023 2:26	02:27:14	Take Temperature		0.55	
	8/13/2023 2:27	02:33:13	Tapping		5.47	
63233125	8/13/2023 2:33	05:59:47	Jet Box		206.57	Plumbing wrong on burner. (8/13/2023 02:51 Tim Maclin) FACT: The steel level was too high due to excessive bottom material. (8/14/2023 08:21 Stack, Jason)
	8/13/2023 6:02	06:07:00	Lab-Sample		5.00	
	8/13/2023 6:07	06:29:20			22.33	Lancing and cleaning ladle. (8/13/2023 06:36 Tim Maclin)
	8/13/2023 6:40	06:42:40			2.45	
	8/13/2023 6:44	06:47:38			3.37	
	8/13/2023 6:49	06:50:41			1.23	
	8/13/2023 6:51	06:56:55	Tapping		5.25	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/13/2023

heat	start_time	end_time	obser	reason	duration	note
63233126	6:56	07:01:22	1st Charge		4.45	
	7:20	07:22:25	2nd Charge		2.20	
	7:51	08:06:18	Breakdown		15.27	broke catfish pole (8/13/2023 07:51 Tim Maclin)
	8:10	08:10:48			0.08	
	8:12	08:14:58			2.13	
	8:16	08:16:14			0.20	
63233127	8:16	08:21:43	Tapping		5.22	
	8:21	08:26:17	1st Charge		4.57	
	8:41	08:54:50	Breakdown		13.02	hydraulic system oil high temperture (8/13/2023 08:44 Tim Maclin)
63233128	9:24	09:27:29	Push Door		2.62	
	9:29	09:38:36	Tapping		8.87	
	9:38	09:43:54	1st Charge		5.30	
	10:00	10:02:07	2nd Charge		1.93	
	10:27	10:50:59	Other		23.48	came of caster late (8/13/2023 10:28 Tim Maclin)
63233129	10:59	10:59:44	Take Temperature		0.13	
	11:00	11:09:17	Tapping		8.40	
	11:09	11:12:24	1st Charge		3.12	
	11:28	11:30:03	2nd Charge		1.72	
	12:02	12:03:00	Take Temperature		0.58	
63233130	12:04	12:11:07	Tapping		6.98	
	12:11	12:17:40	1st Charge		6.55	
	12:26	12:26:37	Other		0.07	
	12:29	12:29:56			0.00	
	12:33	12:35:46	2nd Charge		1.78	
63233131	13:01	13:05:32	Lance Taphole		4.40	
	13:14	13:14:15	Lance Taphole		0.12	
	13:15	13:23:27	Tapping		8.07	
	13:23	13:28:27	1st Charge		5.00	
	13:44	13:46:21	2nd Charge		1.73	
63233132	14:11	14:19:15	Cleaning Ladle Lip		7.67	
	14:27	14:28:01	Take Temperature		0.32	
	14:29	14:37:34	Tapping		8.42	
	14:37	14:40:44	1st Charge		3.17	
	14:56	14:57:52	2nd Charge		1.68	
63233133	15:00	15:01:00			0.03	
	15:01	15:05:11	Breakdown	Other	3.50	arcing not right swing roof to check (8/13/2023 15:25 Ben Gearin)
	15:26	15:36:41	Swap to backup ladle		10.60	
	15:45	15:46:35			1.17	
	15:48	15:55:09	Tapping		6.45	
63233134	15:55	15:59:21	1st Charge		4.20	
	16:14	16:17:28	2nd Charge		3.25	
	16:50	16:51:43			1.27	
	16:52	16:58:25	Tapping		5.93	
	16:58	17:01:26	1st Charge		3.02	
63233135	17:17	17:18:54	2nd Charge		1.70	
	17:42	17:49:44	Other		7.20	laddle came of caster late (8/13/2023 17:43 Tim Maclin)
	17:59	17:59:39			0.43	
	18:01	18:07:14	Tapping		6.07	
	18:07	18:11:09	1st Charge		3.92	
63233136	18:26	18:28:26	2nd Charge		1.88	
	18:59	19:02:58	Waiting on TMS		3.85	Previous operator left estop pushed. (8/13/2023 19:01 Tim Maclin)
	19:05	19:07:48	Lance Taphole		2.00	
	19:07	19:13:26	Tapping		5.63	
	19:13	19:20:26	1st Charge		7.00	
63233137	19:20	21:56:30	Shoe Leaking		155.77	added a and b phase hot, 1369 to a.. 1370 to b.. (8/14/2023 06:37 Tim Maclin)
	22:10	22:11:46	2nd Charge		1.65	
	22:39	22:47:42	Recarb		8.00	
	22:53	23:00:26	Tapping		7.22	
	23:00	23:03:56	1st Charge		3.50	
63233138	23:19	23:20:36	2nd Charge		1.52	
	23:54	00:01:16	Tapping		6.65	
	0:01	00:04:39	1st Charge		3.38	
	0:19	00:21:24	2nd Charge		1.48	
	0:55	01:01:18	Tapping		5.70	
63233139	1:01	01:04:50	1st Charge		3.53	
	1:19	01:21:17	2nd Charge		1.50	
	1:21	01:22:20	Mash With Bucket	Excessive Build-Up	1.05	
	1:55	01:57:00	Carbon Boil		1.88	
	1:59	02:06:48	Tapping		7.42	
63233140	2:06	02:09:54	1st Charge		3.10	
	2:25	02:26:54	2nd Charge		1.75	
	2:53	02:59:56	Plate Change		6.88	
	3:06	03:10:04	Take Temperature		3.27	
	3:10	03:12:34	Lance Taphole		2.50	
63233141	3:12	03:18:42	Tapping		6.13	
	3:18	03:22:26	1st Charge		3.73	
	3:37	03:39:13	2nd Charge		1.63	
	4:11	04:17:56	Tapping		6.23	
	4:17	04:21:12	1st Charge		3.27	
63233142	4:36	04:38:23	2nd Charge		1.78	
	5:08	05:10:38	Take Temperature		1.98	
	5:13	05:20:32	Tapping		7.40	
	5:20	05:23:32	1st Charge		3.00	
	5:23	05:28:47	Gunned Furnace		5.25	gun #2 (8/14/2023 05:24 Tim Maclin)
63233143	5:44	05:46:27	2nd Charge		1.83	
	6:17	06:19:15	Carbon Boil		1.70	
	6:21	06:24:25	Lance Carbon		2.88	
	6:24	06:30:29	Tapping		6.07	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/14/2023

heat	start time	end time	obser	reason	duration	note
63233144	6:30	06:33:44	1st Charge		3.25	
	6:48	06:50:38	2nd Charge		1.73	
	7:22	07:23:23	Take Temperature		0.87	
	7:24	07:31:14	Tapping		6.37	
63233145	7:31	07:35:44	1st Charge		4.50	
	7:51	07:53:09	2nd Charge		2.12	
	8:23	08:25:49	Crane Busy		2.57	putting ladle out from refractory on the preheater (8/14/2023 08:29 Richard Phelps)
	8:28	08:30:51	Lance Taphole		2.83	
63233146	8:30	08:36:34	Tapping		5.72	
	8:36	08:40:48	1st Charge		4.23	
	8:56	08:58:06	2nd Charge		1.73	
	9:28	09:28:44	Carbon Boil		0.67	
	9:30	09:48:13	Other		17.93	no.1 hung up (8/14/2023 09:31 Richard Phelps)
	9:52	09:53:50	Take Temperature		1.57	slag fce off (8/14/2023 09:54 Richard Phelps)
	9:53	09:55:57	Lance Taphole		2.12	
	9:55	10:01:36	Tapping		5.65	
63233147	10:01	10:07:02	1st Charge		5.43	
	10:10	10:15:27	Add Electrode		4.88	trode no.1366 went on the spare (8/14/2023 10:11 Richard Phelps)
	10:27	10:28:45	2nd Charge		1.67	
	10:56	10:56:45	Carbon Boil		0.65	
	11:00	11:01:17	Lance Carbon		0.90	
	11:02	11:03:02	Take Temperature		0.72	slag fce off (8/14/2023 11:03 Richard Phelps)
	11:03	11:04:07	Lance Taphole		1.08	
	11:04	11:09:02	Tapping		4.92	
63233148	11:09	11:15:24	1st Charge		6.37	
	11:31	11:32:44	2nd Charge		1.72	
	12:02	12:02:52	Carbon Boil		0.80	
	12:04	12:08:34	Lance Carbon		3.80	136 ppm 20 carbon (8/14/2023 12:05 Richard Phelps)
	12:08	12:08:43	Take Temperature		0.05	
	12:11	12:12:09	Lance Taphole		0.62	
	12:12	12:17:29	Tapping		5.33	
63233149	12:17	12:41:29	Drain Furnace/Gun 360		24.00	Drained fce checked the bottom 7 to 8 links touching all the wa across. gunned under no.1 burner (8/14/2023 12:57 Richard Phelps)
	12:41	13:40:29	Section Size Change		59.00	changing over to 4 by 6 (8/14/2023 12:58 Richard Phelps)
	13:40	13:42:29	Pack Tap Hole		2.00	
	13:42	13:45:17	Drop Start Bucket		2.80	
	13:51	14:02:07	10 Min TVA Demand		10.20	
	14:02	14:02:23	Other		0.10	trodes wasn't all the way up. (8/14/2023 14:35 Richard Phelps)
	14:12	14:14:15	2nd Charge		1.67	
	14:33	14:42:31	Section Size Change		8.62	caster and cutterstacker not ready (8/14/2023 14:36 Richard Phelps)
	14:53	15:05:09	Section Size Change		11.53	waiting on a ladle crane still busy helping the caster (8/14/2023 14:56 Richard Phelps)
	15:10	15:11:37	Take Temperature		1.37	slag fce off (8/14/2023 15:11 Richard Phelps)
63233150	15:11	15:13:08	Lance Taphole		1.52	
	15:13	15:18:28	Tapping		5.33	
	15:18	15:21:25	1st Charge		2.95	
	15:31	15:31:10			0.00	
	15:37	15:39:26	2nd Charge		1.65	
	15:39	15:40:21	Mash With Bucket	Dropped Charge Off-Center	0.92	mashing (8/14/2023 15:39 Richard Phelps)
	16:09	16:10:38	Carbon Boil		0.70	
	16:16	16:17:20	Take Temperature		1.08	double check temp (8/14/2023 16:17 Richard Phelps)
63233151	16:17	16:18:20	Lance Taphole		1.00	
	16:18	16:24:12	Tapping		5.87	
	16:24	16:28:22	1st Charge		4.17	
	16:44	16:46:09	2nd Charge		1.52	
	17:18	17:25:56	Other		7.27	getting sand (8/14/2023 17:20 Richard Phelps)
	17:28	17:30:52	Recarb		2.57	701 ppm (8/14/2023 17:29 Richard Phelps)
	17:30	17:37:27	Tapping		6.58	
	17:37	17:40:47	1st Charge		3.33	
63233152	17:57	17:58:54	2nd Charge		1.60	
	18:30	18:33:33	Lance Carbon		3.00	16 carbon 3016 temp (8/14/2023 18:31 Richard Phelps)
	18:33	18:34:37	Lance Taphole		1.07	
	18:34	18:39:53	Tapping		5.27	
63233153	18:39	18:44:53	1st Charge		5.00	
	19:00	19:02:20	2nd Charge		1.72	
	19:35	19:42:30	Carbon Boil		6.93	
	19:42	19:47:04	Tapping		4.57	
63233154	19:47	19:50:16	1st Charge		3.20	
	20:05	20:07:55	2nd Charge		1.72	
	20:39	20:46:27	Carbon Boil		6.75	
	20:46	20:49:43	1st Charge		3.27	
63233155	21:06	21:08:14	2nd Charge		1.75	
	21:39	21:56:25	Other		17.18	catfish pole (8/14/2023 21:44 Richard Phelps)
	21:56	22:01:12	1st Charge		4.78	
	22:01	22:08:43	Add Electrode		7.23	1366a s is 1365 (8/14/2023 22:06 Richard Phelps)
63233156	22:24	22:26:19	2nd Charge		1.58	
	22:57	23:02:13	Tapping		5.15	
	23:02	23:05:38	1st Charge		3.42	
	23:21	23:23:51	2nd Charge		2.12	
63233157	23:54	00:01:56	Tapping		7.30	
	0:01	00:05:03	1st Charge		3.12	
	0:20	00:22:34	2nd Charge		1.67	
	0:45	00:53:37	Plate Change		8.00	
63233158	1:01	01:09:03	Tapping		7.72	
	1:09	01:12:03	1st Charge		3.00	
	1:12	01:17:09	Gunned Furnace		5.10	burner has eaten number 2 bank it is gone need to rest it on down day the correct way (8/15/2023 01:19 Richard Phelps)
63233159	1:33	01:34:51	2nd Charge		1.58	
	1:58	02:13:43	Cleaning Ladle Lip		15.48	
	2:19	02:21:55	Push Door		2.42	
	2:28	02:32:44	Tapping		6.08	
63233160	2:32	02:36:11	1st Charge		3.45	
	2:51	02:53:42	2nd Charge		1.77	
	3:24	03:24:28			0.02	
	3:25	03:33:26	Tapping		7.87	
63233161	3:33	03:37:33	1st Charge		4.12	
	3:41	03:48:13	Add Electrode		6.87	b is 1368 c 1365 s 1382 (8/15/2023 03:43 Richard Phelps)
	4:00	04:02:22	2nd Charge		1.67	
	4:32	04:38:20	Tapping		5.63	
63233162	4:38	04:41:27	1st Charge		3.12	
	4:57	04:58:41	2nd Charge		1.60	
	5:31	05:38:29	Tapping		6.67	
	5:38	05:41:52	1st Charge		3.38	
63233163	5:57	05:58:48	2nd Charge		1.65	
	6:22	06:31:45	Swap to backup ladle		9.03	
	6:41	06:49:32	Tapping		7.78	
					Days	250.00
					Nights	250.00
						70%
						70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/15/2023

heat	start_time	end_time	obser	reason	duration	note
63233164	6:49	06:53:44	1st Charge		4.20	
	7:10	07:12:14	2nd Charge		1.65	
	7:43	07:43:40	Take Temperature		0.48	
	7:44	07:45:18	Lance Taphole		1.00	
63233165	7:45	07:50:39	Tapping		5.35	
	7:50	07:53:39	1st Charge		3.00	
	8:08	08:10:30	2nd Charge		1.68	
	8:38	08:38:57	Carbon Boil		0.82	
63233166	8:39	08:39:13	Take Temperature		0.12	
	8:44	08:44:50	Lance Taphole		0.83	
	8:44	08:50:17	Tapping		5.45	
	8:50	08:52:17	Pack Tap Hole		2.00	
63233167	8:52	08:56:17	Plugged		4.00	no.3 maint unstopped it (8/15/2023 09:11 Richard Phelps)
	8:56	09:08:17	Gunned Furnace		12.00	under no.2 and 4 under no.1 (8/15/2023 09:12 Richard Phelps)
	9:08	09:10:20	Drop Start Bucket		2.05	
	9:26	09:27:52	2nd Charge		1.72	
63233168	10:00	10:01:19	Lance Taphole		0.78	
	10:01	10:07:15	Tapping		5.93	
	10:07	10:11:02	1st Charge		3.78	
	10:26	10:28:26	2nd Charge		1.65	
63233169	10:56	10:57:36	Carbon Boil		1.20	
	11:00	11:03:41	Lance Taphole		3.40	
	11:03	11:09:31	Tapping		5.83	
	11:09	11:12:48	1st Charge		3.28	
63233170	11:28	11:30:11	2nd Charge		1.65	
	11:47	12:01:36	Blank	Caster Running Slow	13.72	3 strand caster no.3 still down caster hasn't slagged out yet. (8/15/2023 11:49 Richard Phelps)
	12:17	12:19:07	Lance Taphole		1.15	
	12:19	12:24:30	Tapping		5.38	
63233171	12:24	12:26:30	Pack Tap Hole		2.00	
	12:26	12:37:30	Plugged		11.00	no.2 mgo maint working on it (8/15/2023 12:29 Richard Phelps)
	12:37	12:41:24	Drop Start Bucket		3.90	
	12:57	12:58:51	2nd Charge		1.70	
63233172	13:26	13:27:54	Carbon Boil		1.02	
	13:32	13:33:35	Take Temperature		0.97	
	13:33	13:34:47	Lance Taphole		1.20	
	13:34	13:40:26	Tapping		5.65	
63233173	13:40	13:43:36	1st Charge		3.17	
	14:00	14:02:06	2nd Charge		1.93	
	14:32	14:33:44	Carbon Boil		1.00	
	14:33	14:35:43	Lance Carbon		1.98	
63233174	14:36	14:38:15	Lance Carbon		1.63	
	14:38	14:44:23	Tapping		6.13	
	14:44	14:48:25	1st Charge		4.03	
	14:50	14:57:33	Add Electrode		7.12	WE put A phase in B phase and new trode in A phase1381 on tank (8/15/2023 14:52 Richard Phelps)
63233175	15:11	15:12:49	2nd Charge		1.52	
	15:44	15:45:33	Lance Taphole		0.87	
	15:45	15:50:35	Tapping		5.03	
	15:50	15:53:58	1st Charge		3.38	
63233176	16:09	16:11:58	2nd Charge		2.07	
	16:43	16:44:21	Take Temperature		0.97	
	16:44	16:49:30	Tapping		5.15	
	16:49	16:52:05	1st Charge		2.58	
63233177	17:07	17:08:54	2nd Charge		1.60	
	17:40	17:41:19	Carbon Boil		0.63	
	17:43	17:45:56	Lance Carbon		1.95	
	17:45	17:46:31	Lance Taphole		0.58	
63233178	17:46	17:51:53	Tapping		5.37	
	17:51	17:55:48	1st Charge		3.92	
	18:05	18:05:52	2nd Charge		0.02	
	18:12	18:13:43	2nd Charge		1.57	
63233179	18:45	18:52:24	Plate Change		6.98	
	18:53	18:54:48	Lance Taphole		1.33	
	18:54	19:00:49	Tapping		6.02	
	19:00	19:04:25	1st Charge		3.60	
63233180	19:20	19:22:15	2nd Charge		1.58	
	19:45	20:12:48	Breakdown - Pusher		27.27	on 3 strands (8/15/2023 20:14 Richard Phelps)
	20:24	20:24:21			0.27	
	20:24	20:25:16			0.40	
63233181	20:25	20:33:36	Tapping		7.88	
	20:33	20:36:49	1st Charge		3.22	
	20:52	20:54:07	2nd Charge		1.63	
	21:18	21:25:36	Swap to backup ladle		7.55	
63233182	21:36	21:36:15			0.13	
	21:36	21:42:44	Tapping		6.02	
	21:42	21:45:43	1st Charge		2.98	
	22:01	22:03:08	2nd Charge		1.65	
63233183	22:34	22:43:10	Push Door		8.25	
	22:45	22:51:30	Tapping		5.93	
	22:51	22:55:02	1st Charge		3.53	
	23:10	23:11:58	2nd Charge		1.65	
63233184	23:45	23:50:00	Tapping		4.67	
	23:50	23:54:08	1st Charge		4.13	
	0:10	00:12:08	2nd Charge		1.68	
	0:18	00:18:07			0.05	
63233185	0:35	00:40:29	Redump Ladle		4.75	
	0:49	00:50:56			0.97	
	0:52	00:59:48	Tapping		6.88	
	0:59	01:04:06	1st Charge		4.30	
63233186	1:19	01:21:05	2nd Charge		1.68	
	1:43	01:50:28	Swap to backup ladle		6.87	
	2:02	02:07:32	Tapping		5.07	
	2:07	02:12:30	1st Charge		4.97	
63233187	2:14	02:20:58	Add Electrode		6.45	1382 b...1381 a.... 1377s (8/16/2023 02:18 Richard Phelps)
	2:35	02:37:13	2nd Charge		1.62	
	3:07	03:15:08	Tapping		7.87	
	3:15	03:18:21	1st Charge		3.22	
63233188	3:33	03:35:12	2nd Charge		1.57	
	3:59	04:13:41	Swap to backup ladle		14.00	
	4:23	04:29:39	Tapping		5.72	
	4:29	04:32:39	1st Charge		3.00	
63233189	4:32	04:43:12	Ran Slinger		10.55	
	4:58	05:00:26	2nd Charge		1.60	
	5:32	05:35:48	Plate Change		3.78	
	5:38	05:45:22	Tapping		6.42	
63233190	5:45	05:48:35	1st Charge		3.22	
	6:04	06:06:06	2nd Charge		1.72	
	6:39	06:40:05			0.78	
	6:40	06:47:43	Tapping		6.97	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/16/2023

heat	start time	end time	obser	reason	duration	note
63233185	6:47	06:52:19	1st Charge		4.60	
	6:54	06:59:08	Add Electrode		4.60	
	7:12	07:14:14	2nd Charge		1.73	
	7:45	07:50:33	Tapping		4.90	
63233186	7:50	07:55:09	1st Charge		4.60	
	8:10	08:12:24	2nd Charge		1.63	
	8:12	08:12:42	Electrodes Moving Slow		0.13	
	8:20	08:20:36	Electrodes Moving Slow		0.02	
	8:41	08:50:47	Crane Busy		8.92	Stuck on ladle. (8/16/2023 08:50 Richard Phelps)
	8:53	08:57:05	Door Sticking		3.45	
	9:00	09:01:10	Lance Taphole		1.07	
	9:01	09:06:48	Tapping		5.63	
63233187	9:06	09:10:31	1st Charge		3.72	
	9:27	09:28:46	2nd Charge		1.68	
	10:00	10:00:52	Take Temperature		0.78	
	10:01	10:01:54	Take Temperature		0.25	
	10:02	10:07:02	Tapping		4.65	
63233188	10:07	10:10:15	1st Charge		3.22	
	10:27	10:28:53	2nd Charge		1.53	
	10:59	11:01:28	Push Door		1.48	
	11:04	11:05:37	Lance Taphole		1.43	
	11:05	11:11:36	Tapping		5.98	
63233189	11:11	11:13:45	1st Charge		2.15	
	11:28	11:28:46	Electrodes Moving Slow		0.05	
	11:29	11:30:35	2nd Charge		1.55	
	12:03	12:09:33	Tapping		6.10	
63233190	12:09	12:13:13	1st Charge		3.67	
	12:29	12:30:40	2nd Charge		1.58	
	13:00	13:31:54			31.12	
63233191	13:35	13:54:34	Other		18.72	Lost communication with QMOS, had to reset. (8/16/2023 13:39 Richard Phelps) No down time, just error in computer. (8/16/2023 13:39 Richard Phelps)
	14:17	14:19:01	Push Door		1.40	
	14:19	14:25:47	Lance Taphole		6.02	
63233192	14:25	14:28:52	1st Charge		3.08	
	14:44	14:47:25	2nd Charge		2.72	
	15:21	15:22:46			1.53	
	15:25	15:26:04			1.03	
	15:26	15:32:25	Tapping		5.73	
63233193	15:32	15:49:02	Gunned Furnace		16.62	Slinger and spot gun. (8/16/2023 15:52 Richard Phelps)
	15:49	15:52:02	1st Charge		3.00	
	16:07	16:09:28	2nd Charge		1.52	
	16:45	16:45:47	Lance Taphole		0.53	
	16:45	16:50:41	Tapping		4.90	
63233194	16:50	16:54:33	1st Charge		3.87	
	17:10	17:12:18	2nd Charge		2.17	
	17:44	17:46:05	Lance Taphole		2.08	
	17:47	17:51:48	Tapping		4.55	
63233195	17:51	17:56:00	1st Charge		4.20	
	18:13	18:14:46	2nd Charge		1.57	
	18:42	18:48:32	Swap to backup ladle		6.42	
	18:54	18:56:10	Swap to backup ladle		2.03	
	18:58	19:03:17	Tapping		5.03	
63233196	19:03	19:06:41	1st Charge		3.40	
	19:21	19:23:20	2nd Charge		1.67	
	19:50	20:31:30	Blank	Make Sequence	41.10	Could not get ladle to open. (8/16/2023 21:26 Tim Maclin)
	20:44	20:47:01	Lance Taphole		3.00	
	20:47	20:48:13	Tapping		1.20	
	20:49	20:52:35	Tapping		3.55	
63233197	20:52	21:02:35	1st Charge		10.00	
	21:02	21:09:03	Pourback	Caster Operational Failure	6.47	Could not get ladle open. (8/16/2023 21:29 Tim Maclin)
	21:09	21:41:46			32.18	
	21:48	21:55:14	Breakdown		6.58	Changed pole. (8/16/2023 22:21 Tim Maclin)
	21:57	22:01:43	Tapping		4.72	
63233198	22:01	22:04:52	1st Charge		3.15	
	22:04	22:06:30	Electrode Slip		1.63	
	22:08	22:16:02	Add Electrode		7.10	added 1373 to tank (8/16/2023 22:20 Tim Maclin)
	22:28	22:30:25	2nd Charge		1.68	
	23:03	23:09:38	Lance Taphole		6.03	Ladle tender. (8/16/2023 23:05 Tim Maclin)
63233199	23:09	23:12:38	1st Charge		3.00	
	23:27	23:29:24	2nd Charge		1.65	
	0:02	00:06:49			4.12	
	0:07	00:13:43	Tapping		5.75	

Days 250.00 70%
Nights 250.00 70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/18/2023

heat	start_time	end_time	observer	reason	duration	note
63233200	0:13	00:16:43	1st Charge		3.00	
	0:16	00:23:47	Downday		1807.07	
	6:42	07:02:27	Breakdown		20.18	DJJ could not get coat. (8/18/2023 06:52 EAF EAF)
	7:18	07:23:29	Cold Furnace Start Up		5.07	
	7:34	07:40:02	Cold Furnace Start Up		5.07	
	7:43	07:46:07	Cold Furnace Start Up		2.62	
	7:48	07:52:04	Push Door		3.85	
	7:55	07:58:13	Other		3.10	Cold start up. (8/18/2023 07:58 Richard Phelps)
	8:00	08:01:22	Take Temperature		0.67	
	8:02	08:02:33	Take Temperature		0.32	
63233201	8:03	08:04:38	Other		1.03	Fill coke guns (8/18/2023 08:06 Richard Phelps)
	8:05	08:06:35	Take Temperature		1.13	
	8:07	08:16:11	Take Temperature		8.63	
	8:16	08:23:42	Clean Slag Door		7.52	
	8:40	08:42:25	2nd Charge		1.88	
	8:53	08:53:04	Electrodes Moving Slow		0.05	
	9:14	09:21:44	Lab-Sample		7.68	Manganese was put into MGO hopper. Making sure no extra Manganese in furnace. (8/18/2023 09:18 Richard Phelps)
	9:25	09:29:46	Lance Taphole		4.05	
	9:29	09:29:53			0.03	
	9:30	09:37:16	Tapping		6.55	
63233202	9:37	09:40:03	1st Charge		2.78	
	9:56	09:57:56	2nd Charge		1.67	
	9:59	10:13:38	Breakdown		14.18	Tap side stabilizer when unlocked will lock itself back in. (8/18/2023 10:09 Richard Phelps)
	10:43	10:51:45	Take Temperature		8.63	Could not get a temp reading. (8/18/2023 10:56 Richard Phelps)
	10:54	11:04:12	Lance Taphole		9.35	
	11:04	11:08:09	Breakdown		3.95	Maintenance trouble shooting tap side stabilizer on why it will lock when letting off of unlock button. (8/18/2023 11:12 Richard Phelps)
	11:08	11:10:03	Drop Start Bucket		1.90	
	11:10	11:10:51	Electrode Slip		0.80	
	11:29	11:31:04	2nd Charge		1.72	
	12:02	12:04:24	Take Temperature		1.92	
63233203	12:04	12:08:19	Lab-Sample		3.33	Manganese was loaded into MGO hopper. (8/18/2023 12:05 Richard Phelps)
	12:10	12:23:03	Breakdown		12.40	Temp is all over the place. (8/18/2023 12:18 Richard Phelps) Change pole. (8/18/2023 12:22 Richard Phelps)
	12:23	12:29:43	Tapping		6.67	
	12:29	12:34:27	1st Charge		4.73	
	12:50	12:52:08	2nd Charge		1.72	
	13:26	13:32:23			6.10	
	13:34	13:35:29			0.78	
	13:36	13:44:07	Tapping		7.30	
	13:44	13:48:01	1st Charge		3.90	
	13:48	13:48:31	Electrode Slip		0.50	Back slip (8/18/2023 13:50 Richard Phelps)
63233205	13:48	13:49:01	Electrode Slip		0.50	
	13:49	13:49:35	Electrode Slip		0.57	
	13:51	13:55:37	Add Electrode		4.28	1374 (8/18/2023 13:55 Richard Phelps)
	14:09	14:10:54	2nd Charge		1.55	
	14:45	14:50:43	Lab-Sample		5.70	Manganese in MGO hopper. (8/18/2023 14:48 Richard Phelps)
	14:52	14:54:14	Lance Taphole		1.72	
	14:54	15:00:58	Tapping		6.73	
	15:00	15:07:23	Plugged		6.42	Number 2 (8/18/2023 15:05 Richard Phelps)
	15:22	15:23:55	2nd Charge		1.62	
	15:59	15:59:44	Take Temperature		0.70	
63233207	16:00	16:08:59	Lance Taphole		8.37	
	16:08	16:12:07	1st Charge		3.13	
	16:28	16:30:36	2nd Charge		1.90	
	16:30	16:31:54	Mesh With Bucket	Excessive Build-Up	1.30	
	17:00	17:01:28	Carbon Boil		0.68	
	17:04	17:13:24	Lance Taphole		9.12	
	17:13	17:17:14	1st Charge		3.83	
	17:21	17:31:15	Add Electrode		9.78	Added hot 1376 (8/18/2023 17:27 Richard Phelps)
	17:42	17:44:19	2nd Charge		1.82	
	18:16	18:21:54	Lance Taphole		5.10	
63233209	18:21	18:28:03	Tapping		6.15	
	18:28	18:32:13	Clean Slag Door		4.17	
	18:32	18:34:29	Drop Start Bucket		2.27	
	18:50	18:51:39	2nd Charge		1.57	
	19:20	19:21:11	Carbon Boil		0.77	
	19:26	19:30:12	Cleaning Ladle Lip		3.50	
	19:30	19:32:01	Lance Taphole		1.82	
	19:32	19:39:02	Tapping		6.15	
	19:39	19:42:02	1st Charge		3.00	
	19:42	19:47:32	Push Door		5.50	
63233210	19:47	19:48:45	Electrode Slip		1.22	
	20:03	20:05:53	2nd Charge		1.60	
	20:37	20:38:20	Carbon Boil		0.77	
	20:42	20:44:47	Lance Carbon		2.00	
	20:44	20:46:17	Lance Taphole		1.50	
	20:46	20:52:16	Tapping		5.98	
	20:52	20:54:49	1st Charge		2.55	
	21:10	21:12:09	2nd Charge		1.67	
	21:46	21:48:09	Lance Taphole		2.00	
	21:48	21:53:40	Tapping		5.52	
63233212	21:53	21:57:21	1st Charge		3.65	
	22:12	22:14:07	2nd Charge		1.58	
	22:44	22:50:02	Plate Change		5.53	
	22:53	22:55:57	Lance Taphole		2.50	
	22:55	23:02:09	Tapping		6.20	
	23:02	23:05:05	1st Charge		2.93	
	23:20	23:22:16	2nd Charge		1.70	
	23:53	23:54:13	Carbon Boil		0.58	
	23:55	00:01:00	Tapping		5.68	
	00:01	00:04:00	1st Charge		3.00	
63233214	0:04	00:04:45	Electrode Slip		0.75	
	0:04	00:05:15	Electrode Slip		0.50	
	0:05	00:05:52	Electrode Slip		0.62	
	0:21	00:22:58	2nd Charge		1.62	
	0:55	00:56:41	Take Temperature		1.15	
	0:56	01:01:30	Tapping		4.82	
	1:01	01:04:19	1st Charge		2.82	
	1:19	01:20:57	2nd Charge		1.55	
	1:51	01:51:30	Carbon Boil		0.32	
	1:54	01:56:48	Lance Carbon		2.00	
63233216	1:56	02:03:12	Tapping		6.40	
	2:03	02:06:22	1st Charge		3.17	
	2:22	02:23:39	2nd Charge		1.65	
	2:55	02:55:39	Take Temperature		0.50	
	2:57	03:04:38	Tapping		7.08	
	3:04	03:07:21	1st Charge		2.72	
	3:23	03:24:44	2nd Charge		1.68	
	3:57	04:03:12	Tapping		5.25	
	4:03	04:06:50	1st Charge		3.63	
	4:22	04:23:47	2nd Charge		1.65	
63233218	4:53	04:54:20	Carbon Boil		0.38	
	4:59	05:00:21	Take Temperature		1.00	
	5:00	05:06:41	Tapping		6.33	
	5:06	05:10:11	1st Charge		3.50	
	5:10	05:10:50	Electrode Slip		0.65	
	5:10	05:11:44	Electrode Slip		0.90	
	5:13	05:17:46	Add Electrode		4.12	Added 1375 to tank. (8/19/2023 05:14 Tim MacIn)
	5:31	05:32:49	2nd Charge		1.57	
	6:05	06:06:25	Take Temperature		1.12	
	6:07	06:12:49	Tapping		5.30	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/19/2023

heat	start time	end time	obsr	reason	duration	note
63233220	6:12	06:15:49	1st Charge		3.00	
	6:15	06:16:42			0.88	Put up runner fill. (8/19/2023 06:17 Tim MacIn)
	6:31	06:32:44	2nd Charge		1.65	
	7:03	07:07:47	Plate Change		4.72	
	7:10	07:10:58	Electrodes Moving Slow		0.10	
63233221	7:13	07:22:27	Lance Taphole		8.53	
	7:22	07:25:32	1st Charge		3.08	
	7:41	07:42:52	2nd Charge		1.55	
	8:16	08:18:29	Take Temperature		2.35	
	8:18	08:24:01	Tapping		5.53	
63233222	8:24	08:27:51	1st Charge		3.83	
	8:43	08:44:38	2nd Charge		1.55	
	9:18	09:19:53	Lance Taphole		1.17	
	9:19	09:25:37	Tapping		5.73	
	9:25	09:28:05	1st Charge		2.47	
63233223	9:42	09:44:13	2nd Charge		1.58	
	10:15	10:16:40	Take Temperature		0.80	
	10:17	10:18:53	Lance Carbon		1.20	
	10:20	10:23:29	Lance Taphole		2.92	
	10:23	10:28:34	Tapping		5.08	
63233224	10:28	10:31:32	1st Charge		2.97	
	10:46	10:48:09	2nd Charge		1.60	
	11:22	11:26:05	Lance Taphole		3.20	
	11:26	11:31:22	Tapping		5.28	
	11:31	11:34:52	1st Charge		3.50	
63233225	11:34	11:35:40	Electrode Slip		0.80	
	11:35	11:53:54	Electrode Slip		18.23	
	12:27	12:29:20	Lance Taphole		1.80	
	12:30	12:35:39	Tapping		4.78	
	12:35	12:39:33	1st Charge		3.90	
63233226	12:39	12:40:21	Electrode Slip		0.80	
	12:40	12:41:02	Electrode Slip		0.68	Back slip (8/19/2023 12:41 Richard Phelps)
	12:42	12:46:22	Add Electrode		3.87	1375 (8/19/2023 12:44 Richard Phelps)
	12:59	13:01:21	2nd Charge		1.53	
	13:34	13:37:40	Lance Taphole		3.20	
63233227	13:37	13:43:08	Tapping		5.47	
	13:43	13:45:47	1st Charge		2.65	
	14:01	14:02:39	2nd Charge		1.55	
	14:34	14:39:25	Lance Carbon		4.67	
	14:39	14:44:41	Tapping		5.27	
63233228	14:44	14:47:43	1st Charge		3.03	
	15:02	15:04:05	2nd Charge		1.48	
	15:38	15:44:16	Tapping		5.73	
	15:44	15:48:07	1st Charge		3.85	
	16:03	16:04:52	2nd Charge		1.38	
63233230	16:38	16:38:17	Lance Carbon		1.33	
	16:39	16:44:53	Tapping		5.17	
	16:44	16:47:27	1st Charge		2.57	
	17:02	17:04:17	2nd Charge		1.43	
	17:37	17:39:14	Lance Carbon		1.70	
63233231	17:39	17:44:45	Tapping		5.52	
	17:44	17:48:49	1st Charge		4.07	
	18:03	18:05:23	2nd Charge		1.67	
	18:38	18:40:23	Take Temperature		2.00	
	18:41	18:43:50	Lance Taphole		2.33	
63233232	18:43	18:48:24	Tapping		4.57	
	18:48	18:50:48	1st Charge		2.40	
	19:05	19:06:57	2nd Charge		1.52	
	19:40	19:41:32	Take Temperature		0.63	
	19:42	19:48:46	Tapping		6.45	
63233233	19:48	19:51:46	1st Charge		3.00	
	19:51	19:55:16	Plugged		3.50	
	19:55	19:57:47	Electrode Slip		2.52	A,B and C. (8/19/2023 20:24 Tim MacIn)
	19:59	20:08:00	Add Electrode		8.25	Added hot 1371 (8/19/2023 20:19 Tim MacIn)
	20:20	20:22:07	2nd Charge		1.43	
63233234	20:53	20:55:01	Take Temperature		1.40	
	20:55	20:57:41	Lance Taphole		1.75	
	20:58	21:04:05	Tapping		5.28	
	21:04	21:06:47	1st Charge		2.70	
	21:21	21:22:59	2nd Charge		1.48	
63233235	21:56	22:02:08	Tapping		5.67	
	22:02	22:04:59	1st Charge		2.85	
	22:19	22:21:18	2nd Charge		1.60	
	22:58	22:58:24	Lance Carbon		2.00	
	22:58	23:04:38	Tapping		6.23	
63233236	23:04	23:07:37	1st Charge		2.98	
	23:22	23:24:02	2nd Charge		1.73	
	0:00	00:06:53	Tapping		6.52	
	0:06	00:10:56	1st Charge		4.05	
	0:25	00:27:27	2nd Charge		1.67	
63233238	1:02	01:05:14	Lance Taphole		2.40	
	1:05	01:11:01	Tapping		5.78	
	1:11	01:14:11	1st Charge		3.17	
	1:14	01:16:14	Electrode Slip		2.05	A,B, and C. (8/20/2023 05:36 Tim MacIn)
	1:17	01:21:35	Add Electrode		3.82	added 1379 to tank (8/20/2023 06:41 Tim MacIn)
63233239	1:34	01:35:34	2nd Charge		1.47	
	2:06	02:08:19	Lance Taphole		1.60	
	2:08	02:13:48	Tapping		5.48	
	2:13	02:16:44	1st Charge		2.93	
	2:31	02:32:32	2nd Charge		1.52	
63233240	3:04	03:05:03	Take Temperature		0.43	
	3:06	03:09:30	Lance Taphole		3.18	
	3:11	03:16:15	Lance Taphole		5.00	
	3:16	03:22:28	Tapping		6.22	
	3:22	03:25:31	1st Charge		3.05	
63233241	3:40	03:42:04	2nd Charge		1.58	
	4:13	04:19:11	Tapping		5.83	
	4:19	04:22:59	1st Charge		3.80	
	4:37	04:39:52	2nd Charge		2.67	
	4:55	04:56:28	Skull arcing		0.73	
63233242	5:10	05:17:32	Plate Change		7.20	
	5:21	05:22:55	Take Temperature		1.00	
	5:22	05:29:00	Tapping		6.08	
	5:29	05:32:00	1st Charge		3.00	
	5:32	05:33:00	Push Door		1.00	
	5:33	05:33:39	Electrode Slip		0.65	
	5:48	05:49:38	2nd Charge		1.58	
	6:22	06:23:57	Take Temperature		1.00	
	6:23	06:29:44	Tapping		5.78	
					Days	250.00
					Nights	250.00
						70%
						70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/20/2023

heat	start_time	end_time	obser	reason	duration	note
63233243	6:29	06:33:55	1st Charge		4.18	
	6:48	06:49:56	2nd Charge		1.45	
	7:20	07:22:09	Carbon Boil		1.17	
	7:25	07:32:39	Tapping		7.55	
63233244	7:32	07:35:40	1st Charge		3.02	
	7:50	07:52:04	2nd Charge		1.47	
	8:24	08:30:47	Tapping		6.02	
63233245	8:30	08:33:47	1st Charge		3.00	
	8:33	08:47:51	Gunned Furnace		14.07	
	9:02	09:04:04	2nd Charge		1.53	
	9:36	09:38:23	Carbon Boil		1.85	
	9:41	09:43:13	Lance Carbon		1.73	
	9:43	09:48:17	Tapping		5.07	
63233246	9:48	09:51:20	1st Charge		3.05	
	10:06	10:07:40	2nd Charge		1.60	
	10:40	10:41:55	Lance Taphole		1.25	
	10:41	10:47:01	Tapping		5.10	
63233247	10:47	10:50:33	1st Charge		3.53	
	11:05	11:07:19	2nd Charge		1.80	
	11:07	11:10:04	Break down		2.75	Faulted, had to reset fault and take knife switches out and kill power to MOD. Then turned MOD back on and put the knife switches back in. (8/20/2023 11:12 Richard Phelps)
	11:41	11:47:50	Tapping		5.98	
63233248	11:47	12:57:29	Tundish Change Only		69.65	Tundish bottom temp 590 degrees at start of shift. 4 hours into shift bottom temp went up to 620 degrees. Changing tundish, ran slinger and spot gunned after tapping heat. (8/20/2023 12:10 Richard Phelps) Added A phase hot while down. 1380 (8/20/2023 12:41 Richard Phelps)
	13:12	13:13:40	2nd Charge		1.32	
	13:52	13:53:08	Lance Taphole		0.98	
	13:53	13:58:29	Tapping		5.35	
63233249	13:58	14:01:31	1st Charge		3.03	
	14:16	14:18:07	2nd Charge		1.38	
	14:51	14:57:43	Tapping		5.90	
63233250	14:57	15:00:19	1st Charge		2.60	
	15:15	15:16:40	2nd Charge		1.35	
	15:50	16:02:43	Breakdown		12.58	Change pole (8/20/2023 15:55 Richard Phelps)
	16:05	16:06:07	Lance Taphole		0.80	
63233251	16:06	16:12:12	Tapping		6.08	
	16:12	16:17:57	1st Charge		5.75	
	16:32	16:34:04	2nd Charge		1.48	
	17:08	17:15:22	Tapping		6.63	
63233252	17:15	17:17:46	1st Charge		2.40	
	17:32	17:34:03	2nd Charge		1.47	
	18:07	18:10:11	Lance Taphole		2.25	
	18:10	18:14:58	Tapping		4.78	
63233253	18:14	18:19:23	1st Charge		4.42	
	18:33	18:35:24	2nd Charge		1.52	
	19:09	19:10:11	Take Temperature		0.83	
	19:11	19:17:46	Tapping		6.07	
63233254	19:17	19:20:52	1st Charge		3.10	
	19:34	19:36:29	2nd Charge		1.63	
	20:06	20:07:25	Carbon Boil		0.82	
	20:10	20:11:57	Take Temperature		1.00	
63233255	20:11	20:17:27	Tapping		5.50	
	20:17	20:20:27	1st Charge		3.00	
	20:20	20:22:30	Electrode Slip		2.05	Slipped all trodes. (8/20/2023 21:23 Tim Maclin)
	20:23	20:33:22	Add Electrode		9.52	
63233256	20:45	20:47:07	2nd Charge		1.52	
	21:17	21:19:27	Take Temperature		2.00	
	21:19	21:25:33	Tapping		6.43	added hot with 1384 (8/20/2023 22:17 Tim Maclin)
	21:25	21:29:23	1st Charge		3.50	
63233257	21:32	21:36:42	Add Electrode		3.76	added 1383 to tank (8/20/2023 22:16 Tim Maclin)
	21:48	21:49:54	2nd Charge		1.47	
	22:20	22:27:39	Tapping		6.75	
	22:27	23:07:39			40.00	Replace 6 ft high pressure under furnace. (8/20/2023 22:44 Tim Maclin)
63233258	23:23	23:24:57	2nd Charge		1.52	
	23:57	23:58:41	Tapping		1.50	
	23:58	00:04:43	Tapping		6.03	
	0:04	00:07:28	1st Charge		2.75	
63233259	0:21	00:22:52	2nd Charge		1.45	
	0:56	00:58:06	Tapping		2.00	
	0:58	01:03:41	Tapping		5.58	
	1:03	01:06:16	1st Charge		2.58	
63233260	1:21	01:22:37	2nd Charge		1.52	
	1:55	02:01:12	Tapping		6.18	
	2:01	02:04:26	1st Charge		3.23	
	2:14	02:14:19			0.00	
63233261	2:18	02:20:34	2nd Charge		1.65	
	2:23	02:23:40	Skull arcing		0.63	
	2:24	02:32:44	Skull arcing		8.73	Removing skull between A and C Phase. (8/21/2023 05:30 Tim Maclin)
	3:01	03:02:49	Take Temperature		1.00	
63233262	3:02	03:08:50	Tapping		6.02	
	3:08	03:12:03	1st Charge		3.22	
	3:26	03:27:41	2nd Charge		1.62	
	3:59	04:06:14	Tapping		6.40	
63233263	4:06	04:08:34	1st Charge		2.33	
	4:22	04:24:00	2nd Charge		1.77	
	4:56	04:57:52	Lance Carbon		1.00	
	4:57	04:59:10	Take Temperature		1.30	
63233264	5:00	05:07:04	Tapping		6.47	
	5:07	05:11:00	1st Charge		3.93	
	5:25	05:27:13	2nd Charge		1.52	
	6:00	06:06:34	Tapping		6.45	
Days				250.00	70%	
Nights				250.00	70%	

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/21/2023

heat	start time	end time	obser	reason	duration	note
63233264	6:06	06:09:55	1st Charge		3.35	
	6:23	06:24:55	2nd Charge		1.58	
	6:57	07:02:01	Carbon Boil		4.80	
	7:05	07:11:11	Tapping		6.08	
63233265	7:11	07:15:36	1st Charge		4.42	
	7:30	07:32:30	2nd Charge		1.68	
	8:03	08:05:54	Lance Carbon		2.00	
	8:07	08:14:32	Tapping		7.38	
63233266	8:14	08:18:44	1st Charge		4.20	
	8:34	08:35:57	2nd Charge		1.73	
	9:06	09:08:15	Carbon Boil		1.87	
	9:11	09:21:17	Lance Taphole		9.50	
63233267	9:21	09:25:56	1st Charge		4.65	
	9:41	09:42:50	2nd Charge		1.68	
	10:10	13:33:28	Breakdown		202.58	cant move and in pit cant get ladle off crane to be able to tap (8/21/2023 10:30 Ben Gearin)
	13:41	13:43:23	Breakdown		1.53	
	13:54	14:04:02	Tapping		9.72	
63233268	14:04	14:07:53	1st Charge		3.85	
	14:23	14:28:20	2nd Charge		4.67	
	14:53	14:59:13	Other		6.05	caster starting up (8/21/2023 14:55 Tim Maclin) Casters left the spray water switch on to strands 1, 2, and 3. When the ladle was coming up they noticed and had to run the bars down to repack the molds because the packing was wet. (8/22/2023 07:06 Cox Brandon)
	15:09	15:15:24	Tapping		5.82	
63233269	15:15	15:20:37	1st Charge		5.22	
	15:36	15:38:37	2nd Charge		1.85	
	16:02	16:07:39	Swap to backup ladle		5.63	
	16:16	16:23:19	Tapping		7.12	
63233270	16:23	16:27:28	1st Charge		4.15	
	16:43	16:46:32	2nd Charge		3.18	
	17:17	17:19:21	Carbon Boil		2.00	
	17:19	17:25:13	Tapping		5.87	
63233271	17:25	17:29:09	1st Charge		3.93	
	17:34	17:38:46	Add Electrode		4.05	
	17:49	17:51:52	2nd Charge		2.48	
	18:15	18:21:13	Other		5.48	got on 3 strands couldnt get ladle open till late (8/22/2023 08:24 SMITH ANTHONY)
	18:21	18:21:21	Other		0.02	
	18:29	18:35:15	Tapping		6.02	
63233272	18:35	18:38:56	1st Charge		3.68	
	18:53	18:55:25	2nd Charge		1.48	
	19:28	19:37:14	Tapping		8.88	
63233273	19:37	19:43:03	1st Charge		5.82	
	19:59	20:01:20	2nd Charge		1.50	
	20:33	20:40:35	Tapping		6.75	
63233274	20:40	20:43:35	1st Charge		3.00	
	20:43	20:44:05	Electrode Slip		0.50	
	20:44	20:44:27	Electrode Slip		0.37	
	20:59	21:00:50	2nd Charge		1.47	
	21:34	21:41:10	Tapping		6.55	
63233275	21:41	21:44:21	1st Charge		3.18	
	21:59	22:00:56	2nd Charge		1.52	
	22:15	22:22:23	Breakdown		6.97	tripped (8/21/2023 22:25 Tim Maclin
	22:32	22:45:17	Swap to backup ladle		13.08	
	22:55	22:57:16	Recarb		1.58	
	22:57	22:58:39	Lance Taphole		1.38	
	22:58	23:03:38	Tapping		4.98	
63233276	23:03	23:06:27	1st Charge		2.82	
	23:20	23:22:21	2nd Charge		1.53	
	23:56	23:58:17	Recarb		2.05	
	23:58	00:03:56	Tapping		5.65	
63233277	0:03	00:06:56	1st Charge		3.00	
	0:06	00:09:00	Electrode Slip		2.07	
	0:12	00:22:10	Add Electrode		9.47	s1511. added hot (8/22/2023 00:14 Tim Maclin
	0:33	00:34:32	2nd Charge		1.53	
	1:04	01:06:44	Other		1.95	skull on ladle (8/22/2023 01:05 Tim Maclin
	1:08	01:12:06			3.38	
	1:14	01:16:16	Lance Taphole		2.00	
	1:16	01:22:08	Tapping		5.87	
63233278	1:22	01:25:08	1st Charge		3.00	
	1:25	01:27:06	Electrode Slip		1.97	
	1:29	01:33:07	Add Electrode		3.72	s1514 (8/22/2023 01:31 Tim Maclin
	1:45	01:46:46	2nd Charge		1.45	
	1:54	01:54:16			0.00	
	2:20	02:22:02	Lance Carbon		1.97	
	2:22	02:27:37	Tapping		5.58	
63233279	2:27	02:30:37	1st Charge		3.00	
	2:30	02:41:37	Ran Slinger		11.00	
	2:41	02:51:39	Breakdown		10.03	#1 insert leak (8/22/2023 02:42 Tim Maclin
	3:06	03:07:37	2nd Charge		1.40	
	3:41	03:42:56	Carbon Boil		1.48	
	3:42	03:43:53	Lance Carbon		0.95	
	3:46	03:48:15	Lance Carbon		1.82	
	3:48	03:54:10	Tapping		5.92	
63233280	3:54	03:57:24	1st Charge		3.23	
	4:12	04:13:59	2nd Charge		1.48	
	4:47	04:52:47	Tapping		5.22	
63233281	4:52	04:56:03	1st Charge		3.27	
	5:11	05:13:12	2nd Charge		1.63	
	5:43	05:45:06	Waiting on TMS	Waiting on TMS	1.20	estop on (8/22/2023 05:51 SMITH, ANTHONY)
	5:48	05:52:39	Lance Carbon		4.00	
	5:52	05:58:07	Tapping		5.47	
Days				250.00	70%	
Nights				250.00	70%	

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/22/2023

heat	start time	end time	obser	reason	duration	note
63233282	5:58	06:01:19	1st Charge		3.20	
	6:09	06:09:53	Electrodes Moving Slow		0.02	
	6:15	06:17:50	Mash With Bucket	Excessive Build-Up	2.58	
	6:51	06:52:47	Carbon Boil		0.92	
	6:52	06:52:58	Carbon Boil		0.05	
	6:54	07:05:17	Carbon Boil		10.97	
63233283	7:05	07:09:35	1st Charge		4.30	
	7:26	07:28:11	Carbon Boil		1.55	
	7:59	08:07:24	Tapping		7.53	
63233284	8:07	08:10:37	1st Charge		3.22	
	8:25	08:27:00	2nd Charge		1.68	
	8:52	09:03:11	Plate Change		10.93	
	9:10	09:19:35	Tapping		8.67	
63233285	9:19	09:25:10	1st Charge		5.58	
	9:40	09:42:19	2nd Charge		1.67	
	10:14	10:19:43	Tapping		5.02	
63233286	10:19	10:22:45	1st Charge		3.03	
	10:37	10:38:46	2nd Charge		1.72	
	11:12	11:12:36	Take Temperature		0.57	
	11:12	11:19:31	Tapping		6.60	
63233287	11:19	11:25:02	1st Charge		5.52	
	11:40	11:42:43	2nd Charge		1.73	
	12:14	12:15:09			0.18	
	12:15	12:22:00	Tapping		6.03	
63233288	12:22	12:25:15	1st Charge		3.25	
	12:40	12:41:49	2nd Charge		1.80	
	13:14	13:17:42	Carbon Boil		2.75	
	13:18	13:26:03	Tapping		7.62	
63233289	13:26	13:31:12	1st Charge		5.15	
	13:47	13:51:54	2nd Charge		4.30	
	14:18	14:19:09	Carbon Boil		0.85	
	14:24	14:32:42	Tapping		8.48	
63233290	14:32	14:36:38	1st Charge		3.83	
	14:51	14:52:57	2nd Charge		1.63	
	15:15	15:22:43	Breakdown		7.23	breaker tripping (8/22/2023 15:25 SMITH, ANTHONY)
	15:26	15:39:24	Breakdown		12.83	
	15:47	15:54:26	Tapping		6.73	
63233291	15:54	15:57:26	1st Charge		3.00	
	15:57	16:01:08	Breakdown		3.70	
	16:16	16:18:21	2nd Charge		1.73	
	16:42	16:53:06	Breakdown		10.12	
	17:02	17:02:41			0.30	
	17:03	17:09:10	Tapping		5.88	
63233292	17:09	17:12:10	1st Charge		3.00	
	17:12	17:15:58	Breakdown		3.80	
	17:31	17:32:46	2nd Charge		1.67	
	17:56	18:12:50	Breakdown		16.60	
	18:21	18:23:10			1.67	
	18:25	18:27:07			1.97	
	18:27	18:33:23	Tapping		5.60	
63233293	18:33	18:36:00	1st Charge		2.62	
	18:51	18:53:39	2nd Charge		1.95	
	19:18	19:27:37	Cleaning Ladle Lip		8.92	
	19:35	19:43:19	Tapping		7.80	
63233294	19:43	19:46:19	1st Charge		3.00	
	19:46	19:48:01	Breakdown		1.70	
	20:02	20:04:16	2nd Charge		1.50	
	20:36	20:44:40	Breakdown		8.17	broke pole (8/22/2023 20:50 SMITH, ANTHONY)
	20:47	20:54:57	Tapping		7.13	
63233295	20:54	20:57:57	1st Charge		3.00	
	20:57	21:00:22	Plugged		2.42	
	21:15	21:17:08	2nd Charge		1.50	
	21:50	21:56:24	Tapping		5.90	
63233296	21:56	21:59:24	1st Charge		3.00	
	21:59	22:00:11	Electrode Slip		0.78	
	22:02	22:06:18	Add Electrode		3.63	
	22:18	22:20:03	2nd Charge		1.47	
	22:53	22:54:22	Take Temperature		0.93	
	22:55	23:00:27	Tapping		5.10	
63233297	23:00	23:04:49	1st Charge		4.37	
	23:18	23:20:10	2nd Charge		1.55	
	23:49	23:51:03	Other		1.63	Training employee (8/22/2023 23:50 SMITH, ANTHONY)
	23:54	00:02:07	Lance Taphole		7.95	
63233298	0:02	00:05:04	1st Charge		2.95	
	0:20	00:21:33	2nd Charge		1.48	
	0:50	00:52:42	Carbon Boil		2.12	
	0:57	00:59:15	Crane Busy		2.05	vapping operators (8/23/2023 01:38 SMITH, ANTHONY)
	1:00	01:02:29	Lance Taphole		2.00	
	1:02	01:10:20	Tapping		7.85	
63233299	1:10	01:14:24	1st Charge		4.07	
	1:16	01:20:45	Add Electrode		3.97	s1517 (8/23/2023 01:36 SMITH, ANTHONY)
	1:33	01:34:38	2nd Charge		1.50	
	1:34	01:35:29	Mash With Bucket	Big Scrap on Top	0.85	
	2:08	02:13:34	Plate Change		5.00	
	2:13	02:19:53	Tapping		6.32	
63233300	2:19	02:24:18	1st Charge		4.42	
	2:38	02:40:18	2nd Charge		1.45	
	3:13	03:21:23	Tapping		7.83	
63233301	3:21	03:24:23	1st Charge		3.00	
	3:24	03:35:03	Ran Slinger		10.67	
	3:35	03:35:43	Pack Tap Hole		0.67	
	3:35	03:37:14	Drop Start Bucket		1.52	
	3:52	03:54:13	2nd Charge		1.48	
	4:27	04:30:15	Push Door		3.03	
	4:32	04:32:43	Take Temperature		0.20	
	4:33	04:39:40	Tapping		6.07	
63233302	4:39	04:44:03	1st Charge		4.38	
	4:49	04:59:09	Add Electrode		9.97	s1518 (8/23/2023 06:21 SMITH, ANTHONY)
	5:09	05:10:27	2nd Charge		1.45	
	5:42	05:48:09	Recarb		6.00	
	5:48	05:55:05	Tapping		6.93	
63233303	5:55	05:58:11	1st Charge		3.10	
	6:13	06:14:58	2nd Charge		1.47	
	6:46	06:48:21			2.27	
	6:50	06:56:24	Tapping		6.00	
Days				250.00	70%	
Nights				250.00	70%	

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/23/2023

heat	start time	end time	obser	reason	duration	note
63233304	6:56	07:00:31	1st Charge		4.12	
	7:16	07:18:10	2nd Charge		1.73	
	7:50	07:56:26	Tapping		5.58	
63233305	7:56	08:01:51	1st Charge		5.42	
	8:16	08:18:29	2nd Charge		1.65	
	8:51	08:58:34	Tapping		7.27	
63233306	8:58	09:01:30	1st Charge		2.93	
	9:16	09:18:24	2nd Charge		1.68	
	9:42	09:53:44	Other		11.12	started strain late (8/23/2023 09:43 SMITH, ANTHONY)
	10:03	10:04:12	Take Temperature		0.22	
	10:04	10:12:19	Lance Taphole		7.40	
63233307	10:12	10:14:55	1st Charge		2.60	
	10:29	10:31:35	2nd Charge		1.72	
	10:55	11:02:47	Swap to backup ladle		6.83	
	11:13	11:18:08	Tapping		4.52	
63233308	11:18	11:23:29	1st Charge		5.35	
	11:37	11:41:05	2nd Charge		3.12	
	12:11	12:12:41	Carbon Boil		1.00	
	12:17	12:23:56	Tapping		6.93	
63233309	12:23	12:27:12	1st Charge		3.27	
	12:42	12:50:15	Breakdown		7.95	brakes (8/23/2023 12:49 SMITH, ANTHONY)
	13:21	13:23:33	Carbon Boil		1.63	
	13:25	13:25:28	Take Temperature		0.37	
	13:25	13:31:14	Tapping		5.42	
63233310	13:31	13:34:12	1st Charge		2.97	
	13:50	13:54:30	2nd Charge		3.93	
	14:03	14:03:46			0.05	
	14:23	14:24:29	Carbon Boil		0.60	
	14:24	14:24:43			0.12	
	14:27	14:27:52			0.23	
	14:28	14:35:10	Tapping		6.58	
63233311	14:35	14:40:22	1st Charge		5.20	
	14:55	14:57:38	2nd Charge		1.65	
	15:20	15:27:49	Only 2 Ladles		7.42	
	15:37	15:40:19	Push Door		2.80	
	15:43	15:48:53	Tapping		5.78	
63233312	15:48	15:52:19	1st Charge		3.43	
	16:08	16:10:03	2nd Charge		1.68	
	16:33	16:51:22	Swap to backup ladle		18.10	
	16:58	17:00:18	Carbon Boil		1.48	
	17:00	17:00:28	Take Temperature		0.08	
	17:02	17:02:48	Take Temperature		0.35	
	17:02	17:09:22	Tapping		6.45	
63233313	17:09	17:13:11	1st Charge		3.82	
	17:28	17:30:30	2nd Charge		1.67	
	18:04	18:15:29	Carbon Boil		11.40	
63233314	18:15	18:21:00	1st Charge		5.52	
	18:36	18:38:31	2nd Charge		1.68	
	19:11	19:12:03	Lance Carbon		0.93	
	19:12	19:21:28	Tapping		8.90	
63233315	19:21	19:24:46	1st Charge		3.30	
	19:39	19:42:23	2nd Charge		2.65	
	19:48	19:55:14	Add Electrode		6.88	
	20:14	20:25:14	Clutch		11.15	
	20:34	20:37:15	Push Door		2.57	
	20:38	20:45:24	Tapping		7.05	
63233316	20:45	20:48:24	1st Charge		3.00	
	20:48	20:53:50	Other		5.43	only one crane operator (8/23/2023 20:58 SMITH, ANTHONY)
	21:08	21:10:34	2nd Charge		1.92	
	21:44	21:52:02	Tapping		7.13	
63233317	21:52	21:55:26	1st Charge		3.40	
	21:55	22:08:44	Skull arcing		13.22	
	22:23	22:25:22	2nd Charge		1.85	
	22:49	22:50:44	Cleaning Ladle Lip		1.73	
	22:56	22:57:35	Carbon Boil		1.33	
	23:02	23:09:37	Tapping		7.57	
63233318	23:09	23:12:37	1st Charge		3.00	
	23:12	23:14:19	Electrode Slip		1.70	c (8/23/2023 23:23 SMITH, ANTHONY)
	23:17	23:22:09	Add Electrode		4.35	s1516 (8/23/2023 23:23 SMITH, ANTHONY)
	23:34	23:36:30	2nd Charge		1.63	
	0:07	00:11:50	Push Door		4.13	
	0:12	00:18:42	Tapping		5.73	
63233319	0:18	00:22:17	1st Charge		3.58	
	0:37	00:39:06	2nd Charge		1.77	
	1:07	01:08:26	Carbon Boil		1.00	
	1:08	01:13:23	Other		4.95	
	1:17	01:19:36	Push Door		2.57	
	1:21	01:22:23	Lance Carbon		0.67	
	1:22	01:29:53	Tapping		7.23	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/24/2023

heat	start time	end time	obser	reason	duration	note
63233320	1:29	18:15:46	Downday		1005.88	
	18:34	18:59:57	Breakdown		25.78	broke clevis on the southside (8/24/2023 18:46 SMITH, ANTHONY)
	18:59	19:01:57	2nd Charge		2.00	
	19:01	19:03:08	Electrode Slip		1.18	
	19:20	19:26:49	Cold Furnace Start Up		6.23	
	19:35	19:40:28	Cold Furnace Start Up		5.18	
	19:45	19:48:56	Cold Furnace Start Up		3.18	
	19:50	19:54:47	Lance Carbon		3.80	46 carbon (8/24/2023 19:51 Richard Phelps)
	19:56	19:56:30	Take Temperature		0.15	
	19:57	19:59:09	Lance Carbon		1.75	
	19:59	20:00:11	Recarb		1.03	824 ppm (8/24/2023 19:59 Richard Phelps)
	20:00	20:00:17			0.00	
	20:01	20:01:35	Take Temperature		0.30	
	20:02	20:02:36	Take Temperature		0.20	
	20:03	20:03:37	Take Temperature		0.12	
	20:04	20:04:43	Take Temperature		0.27	
	20:05	20:05:30	Take Temperature		0.02	
	20:05	20:06:32	Take Temperature		0.55	
	20:06	20:13:01	Tapping		6.48	
63233321	20:13	20:35:27	Gunned Furnace		22.43	Behind breast washed out on cold start up heat. After tapping observed the furnace and saw washout. Gunned back back in. (8/24/2023 20:27 Richard Phelps)
	20:42	20:42:47			0.10	
	20:52	20:54:05	2nd Charge		1.65	
	21:29	21:36:24	Tapping		6.77	
63233322	21:36	21:47:46	Gunned Furnace		11.37	Behind breast washed out on cold start up heat. After tapping observed the furnace and saw washout. Gunned back back in (8/24/2023 21:43 Richard Phelps)
	22:03	22:05:17	2nd Charge		1.33	
	22:05	22:06:51	Mash With Bucket	Excessive Build-Up	1.57	
	22:39	22:41:30	Lance Taphole		1.72	
	22:41	22:46:33	Tapping		5.05	
63233323	22:46	22:58:35	Gunned Furnace		12.03	Behind breast washed out on cold start up heat. After tapping observed the furnace and saw washout. Gunned back back in (8/24/2023 22:49 Richard Phelps)
	23:13	23:15:36	2nd Charge		1.70	
	23:15	23:16:30	Mash With Bucket	Excessive Build-Up	0.90	
	23:47	23:49:48	Push Door		2.02	
	23:53	23:54:06			0.83	
	23:55	00:01:35	Tapping		6.33	
63233324	0:01	00:05:18	1st Charge		3.72	
	0:21	00:23:12	2nd Charge		1.72	
	0:54	01:02:30	Lance Taphole		7.85	
63233325	1:02	01:06:23	1st Charge		3.88	
	1:09	01:13:41	Add Electrode		4.27	1522 (8/25/2023 01:11 Richard Phelps)
	1:26	01:27:44	2nd Charge		1.58	
	1:59	02:06:35	Tapping		6.78	
63233326	2:06	02:08:35	Pack Tap Hole		2.00	
	2:08	02:18:35	Plugged		10.00	no.1 (8/25/2023 02:11 Richard Phelps)
	2:18	02:21:05	Drop Start Bucket		2.50	
	2:30	02:35:29	Break down		4.62	tripped out (8/25/2023 02:32 Richard Phelps)
	2:41	02:42:49	2nd Charge		1.58	
	3:15	03:17:11	Lance Taphole		1.88	
	3:17	03:22:50	Tapping		5.65	
63233327	3:22	03:25:46	1st Charge		2.93	
	3:39	03:39:29			0.03	
	3:42	03:43:34	2nd Charge		1.55	
	4:16	04:23:16	Tapping		6.97	
63233328	4:23	04:26:12	1st Charge		2.93	
	4:42	04:43:26	2nd Charge		1.43	
	4:43	04:44:32	Mash With Bucket	Excessive Build-Up	1.10	
	5:11	05:12:18	Carbon Boil		1.18	
	5:17	05:18:13	Lance Taphole		0.80	
	5:18	05:23:58	Tapping		5.75	
63233329	5:23	05:27:20	1st Charge		3.37	
	5:44	05:46:01	2nd Charge		1.63	
	6:19	06:20:46	Lance Taphole		1.00	
	6:20	06:26:17	Tapping		5.52	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/25/2023

heat	start_time	end_time	observer	reason	duration	note
63233330	6:26	06:30:59	1st Charge		4.70	
	6:43	06:43:49	Electrodes Moving Slow		0.02	
	6:47	06:48:31	2nd Charge		1.52	
	7:20	07:26:06	Tapping		5.57	
63233331	7:26	07:29:42	1st Charge		3.60	
	7:38	07:38:36			0.00	
	7:45	07:46:42	2nd Charge		1.50	
	8:14	08:21:21	Plate Change		7.05	
	8:27	08:28:51	Plate Change		1.50	
	8:28	08:32:06	Lance Taphole		3.25	
	8:32	08:38:44	Tapping		6.63	
63233332	8:38	08:41:33	1st Charge		2.92	
	8:49	08:53:12	Cave In		3.28	OCB2 Tripped (8/25/2023 08:54 Tim MacIn)
	9:00	09:02:14	2nd Charge		1.55	
	9:35	09:42:24	Tapping		6.75	
63233333	9:42	09:46:30	1st Charge		4.10	
	10:02	10:03:31	2nd Charge		1.50	
	10:03	10:11:00	Mash With Bucket	Excessive Build-Up	7.48	
	10:43	10:45:01	Other		2.00	
	10:45	10:51:13	Tapping		6.20	Normal duties. (8/25/2023 18:36 Tim MacIn)
63233334	10:51	10:54:38	1st Charge		3.75	
	11:10	11:12:35	2nd Charge		1.85	
	11:40	11:53:17	Swap to backup ladle		12.78	
	12:01	12:02:50	Lance Taphole		1.30	
	12:02	12:08:54	Tapping		6.07	
63233335	12:08	12:13:13	1st Charge		4.32	
	12:21	12:21:01	Electrodes Moving Slow		0.02	
	12:28	12:30:07	2nd Charge		1.50	
	12:30	12:32:03	Mash With Bucket	Excessive Build-Up	1.93	
	12:59	13:47:44	Blank	Billet Jammed	47.82	Number 3, on 2 strands. (8/25/2023 13:11 Tim MacIn)
	13:56	14:00:48	Tapping		3.85	
	14:00	14:06:48	Tapping		6.00	
63233336	14:06	14:09:48	1st Charge		3.00	
	14:09	14:11:01	Electrode Slip		1.22	
	14:26	14:28:34	2nd Charge		1.67	
	14:59	15:03:10	Waiting For Crane		3.27	changing operators (8/25/2023 15:01 Tim MacIn)
	15:07	15:08:16	Other		1.25	putting chain on ladle (8/25/2023 15:08 Tim MacIn)
	15:08	15:10:09	Lance Taphole		1.88	
	15:10	15:15:38	Tapping		5.48	
63233337	15:15	15:18:38	1st Charge		3.00	
	15:18	15:21:20	Plugged		2.70	#2 stopped up (8/25/2023 15:21 Tim MacIn)
	15:37	15:39:17	2nd Charge		1.50	
	15:39	15:40:09	Mash With Bucket	Excessive Build-Up	0.87	
	16:13	16:15:34			2.00	
	16:15	16:16:34	Lance Taphole		1.00	Normal duties (8/25/2023 18:35 Tim MacIn)
	16:16	16:22:21	Tapping		5.78	
63233338	16:22	16:26:14	1st Charge		3.88	
	16:28	16:33:03	Add Electrode		4.15	Added 1521 to tank. (8/25/2023 17:35 Tim MacIn)
	16:46	16:48:01	2nd Charge		1.65	
	16:57	16:57:32	Electrodes Moving Slow		0.03	
	17:20	17:23:46			3.50	Normal duties (8/25/2023 18:33 Tim MacIn)
	17:23	17:29:20	Tapping		5.57	
63233339	17:29	17:33:15	1st Charge		3.92	
	17:48	17:50:19	2nd Charge		1.50	
	17:50	17:51:22	Mash With Bucket	Excessive Build-Up	1.05	
	18:24	18:26:45	Lance Taphole		2.00	Waiting on ladle tender (8/25/2023 18:26 Tim MacIn)
	18:26	18:31:51	Tapping		5.10	
63233340	18:31	18:34:51	1st Charge		3.00	
	18:34	18:39:39	Plugged		4.80	#1 (8/25/2023 18:37 Tim MacIn)
	18:53	18:56:22	2nd Charge		2.43	
	19:31	19:31:13	Take Temperature		0.02	
	19:32	19:35:23	Lance Taphole		2.70	
	19:35	19:40:29	Tapping		5.10	
63233341	19:40	19:49:10	Plugged		8.68	#1 (8/25/2023 19:41 Tim MacIn)
	20:04	20:06:17	2nd Charge		1.88	
	20:06	20:08:06	Mash With Bucket	Excessive Build-Up	1.82	
	20:41	20:42:46	Lance Taphole		1.05	
	20:42	20:48:49	Tapping		6.08	
63233342	20:48	20:58:38	Gunned Furnace		9.82	
	20:59	21:09:55	Add Electrode		10.03	Added hot electrode #1524 (8/25/2023 21:02 Tim MacIn)
	21:25	21:27:13	2nd Charge		1.80	
	21:39	22:05:27	Tapping		6.12	
63233343	22:05	22:07:28	1st Charge		2.02	
	22:24	22:26:13	2nd Charge		1.65	
	22:26	22:27:39	Mash With Bucket	Excessive Build-Up	1.43	
	22:57	23:02:56	Lab-Sample		5.05	Lead in heat before 012 (8/25/2023 22:59 Tim MacIn)
	23:04	23:05:16	Take Temperature		0.57	
	23:07	23:14:25	Tapping		6.73	
63233344	23:14	23:18:47	1st Charge		4.37	
	23:22	23:26:15	Add Electrode		4.15	1523 (8/26/2023 00:16 Tim MacIn)
	23:38	23:40:12	2nd Charge		1.45	
	0:07	00:14:39	Clutch		7.23	Lead in heat on caster, blanked strand to buff copper. Starter bar will not come back up. Had to wait on ladle. (8/26/2023 00:17 Tim MacIn)
	0:19	00:23:15	Lance Taphole		3.43	Bar was welded on the Y guide due to previous hand torching. It ended you damaging the clutch too. (8/26/2023 08:19 Stefanon, Andre)
	0:24	00:30:50	Tapping		6.27	
63233345	0:30	00:33:58	1st Charge		3.13	
	0:49	00:51:10	2nd Charge		1.58	
	1:18	01:34:02	Clutch		15.82	Steel was on the Y guide from D crew having a bleeder and it did not get cleaned up. Would not allow starter bar to move. (8/26/2023 01:41 Tim MacIn)
	1:42	01:48:38	Lance Taphole		5.88	
63233346	1:48	01:55:52	Plugged		7.23	
	2:11	02:13:43	2nd Charge		1.87	
	2:48	02:50:31	Lance Taphole		1.63	
	2:50	02:56:07	Tapping		5.60	
63233347	2:56	03:04:19	Lab-Sample		8.20	Suspected lead. (8/26/2023 02:57 Richard Phelps)
	3:04	03:19:02	Pourback	Chemistry	14.72	Lead 0218 (8/26/2023 03:13 Richard Phelps)
	3:20	03:30:35	Other		10.00	Lance lead out of heat. (8/26/2023 03:23 Richard Phelps)
	3:30	03:33:00	Lab-Sample		2.13	
	3:33	03:41:15	Tapping		8.25	
63233348	3:41	03:45:35	Lab-Sample		4.33	
	3:57	03:57:13			0.05	
	4:02	04:03:40	2nd Charge		1.47	
	4:36	04:40:20	Lab-Sample		3.42	Checking for lead in heat. (8/26/2023 04:38 Richard Phelps)
	4:43	04:49:48	Tapping		6.20	
63233349	4:49	04:53:03	1st Charge		3.25	
	5:07	05:09:19			2.12	Baghouse radiation alarm. (8/26/2023 05:08 Richard Phelps) False alarm (8/26/2023 05:09 Richard Phelps)
	5:11	05:13:18	2nd Charge		1.98	
	5:41	05:42:17	Carbon Boil		0.65	
	5:47	05:52:59	Tapping		5.78	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/26/2023

heat	start time	end time	obser	reason	duration	note
63233350	5:52	05:57:20	1st Charge		4.35	
	6:13	06:14:30	2nd Charge		1.42	
	6:41	06:51:07	Blank	Strand Started Late	9.40	
	6:56	06:57:51	Other		1.40	Cool room not out on floor to work heat. (8/26/2023 06:57 Richard Phelps) Shift change swap outs, through the shop caused delay (8/26/2023 07:07 King, Brian)
	6:57	07:00:12	Lance Taphole		2.35	
	7:00	07:05:52	Tapping		5.67	
63233351	7:05	07:09:38	1st Charge		3.77	
	7:18	07:22:36	Cave In		3.70	OCB-2 tripped (8/26/2023 07:20 Richard Phelps)
	7:28	07:31:02	2nd Charge		2.48	
	8:09	08:11:19	Lance Taphole		2.00	
	8:11	08:16:35	Tapping		5.27	
63233352	8:16	08:19:32	1st Charge		2.95	
	8:36	08:38:11	2nd Charge		1.65	
	9:13	09:19:44	Tapping		6.68	
63233353	9:19	09:22:38	1st Charge		2.90	
	9:39	09:40:34	2nd Charge		1.50	
	9:40	09:44:09	Mash With Bucket	Excessive Build-Up	3.58	
	9:55	09:59:03	Cave In		3.63	OCB-2 Tripped. (8/26/2023 16:15 Tim Maclin)
	10:21	10:27:45	Tapping		6.40	
63233354	10:27	10:31:01	1st Charge		3.27	
	10:47	10:50:04	2nd Charge		2.47	
	11:24	11:24:45	Carbon Boil		0.73	
	11:26	11:33:36	Tapping		7.22	
63233355	11:33	11:36:36	1st Charge		3.00	
	11:36	11:38:10			1.57	Put up runner fill. (8/26/2023 11:50 Tim Maclin)
	11:54	11:56:24	2nd Charge		1.45	
	12:29	12:29:50	Carbon Boil		0.58	
	12:31	12:39:49	Tapping		7.85	
63233356	12:39	12:42:54	1st Charge		3.08	
	12:58	16:05:08			186.23	60 ton transformer had too much dust on it tripped out relay, had to change fuses. (8/26/2023 16:14 Tim Maclin)
	16:48	16:50:15	Take Temperature		1.32	
	16:51	16:57:03	Other		5.15	Reheat lancing taphole. (8/26/2023 17:51 SCHWEITZER, BRANDON)
	16:58	17:04:32	Tapping		6.35	
63233357	17:04	17:09:46	1st Charge		5.23	
	17:26	17:28:08	2nd Charge		1.48	
	17:28	17:29:53	Mash With Bucket	Dropped Charge Off-Center	1.75	mashing (8/26/2023 17:28 Tim Maclin)
	18:03	18:06:04	Lance Taphole		2.68	
	18:06	18:11:48	Tapping		5.73	
63233358	18:11	18:16:07	1st Charge		4.32	
	18:32	18:34:01	2nd Charge		1.72	
	18:49	18:54:35	Other		4.77	draining tundish down grade change (8/26/2023 18:51 Tim Maclin) pole bad bent had maint to change it out (8/26/2023 19:15 Richard Phelps)
	19:11	19:15:06	Take Temperature		3.18	
	19:15	19:18:45	Breakdown		3.65	
63233359	19:21	19:27:28	Tapping		5.90	bad pole (8/26/2023 19:16 Richard Phelps)
	19:27	19:31:28	1st Charge		4.00	
	19:47	19:49:07	2nd Charge		1.68	
	20:23	20:25:02	Lance Taphole		1.40	
	20:25	20:31:04	Tapping		6.03	
63233360	20:31	20:35:39	1st Charge		4.58	
	20:37	20:40:59	Add Electrode		3.58	1520 on the spare (8/26/2023 20:38 Richard Phelps)
	20:55	20:57:28	2nd Charge		1.62	
	21:26	21:27:14	Take Temperature		0.72	
	21:34	21:35:23	Lance Taphole		1.32	
	21:35	21:41:12	Tapping		5.82	
63233361	21:41	21:45:56	1st Charge		4.73	
	22:02	22:03:35	2nd Charge		1.47	
	22:32	22:33:26	Carbon Boil		0.82	skull behind breast (8/26/2023 22:43 Richard Phelps)
	22:36	22:38:13	Push Door		2.65	
	22:41	22:42:22	Lance Taphole		0.90	
	22:42	22:47:54	Tapping		5.53	
63233362	22:47	22:50:11	Pack Tap Hole		2.28	
	22:50	22:52:11	Plugged		2.00	no.1 maint working on it (8/26/2023 22:50 Richard Phelps)
	22:52	22:53:17	Drop Start Bucket		1.10	
	23:08	23:10:59	2nd Charge		2.07	
	23:45	23:47:48	Recarb		2.00	
	23:47	23:54:18	Tapping		6.50	
63233363	23:54	23:56:18	Pack Tap Hole		2.00	
	23:56	23:59:18	Other		3.00	pulling skull between trodes (8/27/2023 00:00 Richard Phelps)
	23:59	00:01:26	Drop Start Bucket		2.13	
	00:18	00:19:24	2nd Charge		1.68	
	0:53	00:54:34	Lance Taphole		1.37	
	0:54	01:00:10	Tapping		5.60	
63233364	1:00	01:06:33	1st Charge		6.38	
	1:08	01:20:41	Add Electrode		11.83	added C phase then we added B phase hot 1519 went on B phase (8/27/2023 01:13 Richard Phelps)
	1:34	01:35:47	2nd Charge		1.57	
	2:07	02:08:32	Lance Taphole		1.52	
	2:08	02:13:12	Tapping		4.67	
63233365	2:13	02:16:33	1st Charge		3.35	
	2:31	02:31:54			0.00	
	2:32	02:33:49	2nd Charge		1.60	
	3:03	03:08:54	Plate Change		6.07	
	3:14	03:16:04	Plate Change		2.02	ladle going down in the pit (8/27/2023 03:15 Richard Phelps)
	3:16	03:17:04	Lance Taphole		1.00	
	3:17	03:23:10	Tapping		6.10	
63233366	3:23	03:26:35	1st Charge		3.42	
	3:34	03:34:50			0.00	
	3:42	03:44:24	2nd Charge		1.63	
	4:17	04:19:33	Lance Carbon		2.13	
	4:20	04:26:06	Tapping		5.90	
63233367	4:26	04:29:25	1st Charge		3.32	
	4:44	04:46:06	2nd Charge		1.30	
	4:46	04:47:25	Mash With Bucket	Dropped Charge Off-Center	1.32	mashing (8/27/2023 04:46 Richard Phelps)
	5:18	05:18:33	Take Temperature		0.40	
	5:22	05:29:12	Tapping		6.92	
63233368	5:29	05:32:01	1st Charge		2.82	
	5:48	05:49:59	2nd Charge		1.57	
	6:22	06:24:35	Lance Taphole		2.00	
	6:24	06:30:12	Tapping		5.62	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/27/2023

heat	start time	end time	observer	reason	duration	note
63233369	6:30	06:33:29	1st Charge		3.28	
	6:49	06:51:22	2nd Charge		1.72	
	7:25	07:31:28	Tapping		5.80	
63233370	7:31	07:34:28	1st Charge		3.00	
	7:34	07:35:53	Push Door		1.42	clean door (8/27/2023 07:35 Richard Phelps)
	7:51	07:53:19	2nd Charge		1.63	
63233371	8:31	08:37:21	Tapping		6.15	
	8:37	08:40:21	1st Charge		3.00	
	8:40	08:40:51	Electrode Slip		0.50	
	8:40	08:41:36	Electrode Slip		0.75	
	8:41	08:42:18	Electrode Slip		0.70	
	8:42	08:42:56	Electrodes Moving Slow		0.63	
	8:59	09:01:21	2nd Charge		1.57	
	9:35	09:41:31	Tapping		6.28	
63233372	9:41	09:44:31	1st Charge		3.00	
	9:44	09:45:44	Fill Taphole Hopper		1.22	
	9:54	09:54:11	Electrodes Moving Slow		0.02	
	10:01	10:02:55	2nd Charge		1.65	
	10:36	10:39:22	Lance Taphole		3.18	
	10:39	10:44:34	Tapping		5.20	
63233373	10:44	10:47:34	1st Charge		3.00	
	10:47	10:48:23	Electrode Slip		0.82	
	11:04	11:06:15	2nd Charge		1.50	
	11:06	11:07:17	Mash With Bucket	Excessive Build-Up	1.03	
	11:41	11:43:47	Lance Taphole		2.10	
	11:43	11:49:10	Tapping		5.38	
63233374	11:49	11:52:10	1st Charge		3.00	
	11:52	11:59:21	Plugged		7.18	changed #2 insert (8/27/2023 12:07 Richard Phelps)
	12:15	12:17:08	2nd Charge		1.63	
	12:52	12:58:37	Tapping		6.05	
	12:58	13:01:42	1st Charge		3.08	
	13:17	13:18:49	2nd Charge		1.63	
	13:52	13:55:45	Lance Carbon		3.53	
	13:55	13:56:36	Lance Taphole		0.85	
	13:56	14:02:14	Tapping		5.63	
63233376	14:02	14:05:14	1st Charge		3.00	
	14:05	14:06:02	Electrode Slip		0.80	
	14:06	14:06:56	Electrode Slip		0.90	
	14:06	14:07:57	Electrode Slip		1.02	
	14:23	14:25:29	2nd Charge		1.58	
	14:58	15:05:38	Tapping		7.52	
63233377	15:05	15:08:43	1st Charge		3.08	
	15:24	15:26:29	2nd Charge		1.63	
	15:58	16:01:22	Lance Taphole		2.42	
	16:01	16:06:39	Tapping		5.28	
	16:06	16:09:39	1st Charge		3.00	
	16:09	16:10:09	Electrode Slip		0.50	
	16:10	16:11:09	Electrode Slip		1.00	
	16:26	16:28:10	2nd Charge		1.50	
	16:28	16:29:41	Mash With Bucket	Excessive Build-Up	1.52	
	17:02	17:02:22	Lance Carbon		0.33	
	17:02	17:06:09	Lance Carbon		3.78	
	17:07	17:13:00	Tapping		5.53	
63233379	17:13	17:16:00	1st Charge		3.00	
	17:16	17:16:58	Electrode Slip		0.97	
	17:32	17:34:34	2nd Charge		1.77	
	17:44	17:44:13	Electrodes Moving Slow		0.02	
	18:07	18:08:33	Lance Carbon		0.92	
	18:10	18:15:20	Tapping		5.07	
63233380	18:15	19:47:20	Section Size Change		92.00	ran the slinger gunned the furnace (8/27/2023 18:57 EAF EAF)
	19:47	19:51:02	Drop Start Bucket		3.70	
	19:51	19:54:14			2.32	
	20:10	20:12:39	2nd Charge		1.95	
	20:48	20:49:22	Lance Taphole		1.00	
	20:49	20:55:59	Tapping		6.62	
63233381	20:55	20:59:58	1st Charge		3.98	
	21:16	21:18:18	2nd Charge		1.78	
	21:50	21:51:21	Take Temperature		0.63	
	21:53	21:54:13	Lance Taphole		0.75	
	21:54	22:00:03	Tapping		5.83	
63233382	22:00	22:05:15	1st Charge		5.20	
	22:06	22:10:32	Add Electrode		3.75	
	22:24	22:26:06	2nd Charge		1.78	
	22:58	22:59:12	Take Temperature		1.00	
	22:59	23:01:31	Lance Taphole		2.32	
	23:01	23:06:57	Tapping		5.43	
63233383	23:06	23:11:26	1st Charge		4.48	
	23:13	23:17:35	Add Electrode		3.92	
	23:29	23:29:41			0.02	
	23:31	23:33:39	2nd Charge		1.87	
	23:33	23:34:21	Mash With Bucket	Dropped Charge Off-Center	0.70	mashing (8/27/2023 23:34 Richard Phelps)
	0:07	00:10:44	Lance Taphole		2.92	
	0:10	00:15:32	Tapping		4.80	
	0:15	00:19:14	1st Charge		3.70	
63233384	0:35	00:36:46	2nd Charge		1.77	
	1:11	01:12:42	Lance Taphole		1.37	
	1:12	01:17:57	Tapping		5.25	
63233385	1:17	01:21:32	1st Charge		3.58	
	1:37	01:38:56	2nd Charge		1.68	
	2:12	02:17:44	Tapping		5.05	
63233386	2:17	02:22:35	1st Charge		4.85	
	2:24	02:33:58	Add Electrode		9.45	added # hot 1505 went on top (8/28/2023 02:26 Richard Phelps)
	2:47	02:48:53	2nd Charge		1.57	
	3:20	03:21:44	Take Temperature		1.00	
	3:21	03:25:59	Tapping		4.25	
63233387	3:25	03:28:53	1st Charge		2.90	
	3:44	03:50:14	Breakdown		5.32	loading dolo lime can't get it to come out of the vessel (8/28/2023 03:46 Richard Phelps)
	4:18	04:21:39	Swap to backup ladle		2.90	Lost trunnion cap on ladle. (8/28/2023 04:24 Richard Phelps)
	4:26	04:29:43	Lance Taphole		3.45	
	4:30	04:34:58	Tapping		4.22	
63233388	4:34	04:38:12	1st Charge		3.23	
	4:53	04:55:20	2nd Charge		1.60	
	5:22	05:29:12	Other		6.43	Silica carbide load cell went out and caused system to dump too much into ladle causing pour back. Turning caster around. (8/28/2023 05:24 Richard Phelps)
	5:32	05:36:26	Push Door		3.87	skull breast area (8/28/2023 05:33 Richard Phelps)
	5:41	05:43:00	Recarb		1.30	
	5:44	05:49:57	Tapping		5.82	
63233389	5:49	06:07:09	Gunned Furnace		17.20	Around door, pour back. (8/28/2023 05:55 Richard Phelps)
	6:07	06:16:24	Pourback	Chemistry	9.25	SIC load cell went bad and dumped too much into ladle. (8/28/2023 06:11 Richard Phelps)
	6:19	06:33:30	Lance Carbon		14.00	
	6:33	06:37:56	Taking Sample TMSD		4.43	
	6:37	06:38:27	Lance Taphole		0.52	
	6:38	06:44:24	Tapping		5.95	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/28/2023

heat	start time	end time	obser	reason	duration	note
63233390	6:44	06:47:51	1st Charge		3.45	
	6:48	06:48:55			0.43	
	7:03	07:06:22	2nd Charge		2.77	
	7:30	07:44:57	Blank	Superheat	14.10	
	7:56	08:03:54	Tapping		7.67	
63233391	8:03	08:06:11	1st Charge		2.28	
	8:22	08:24:00	2nd Charge		1.63	
	8:32	08:32:41			0.00	
	8:47	08:55:40	Plate Change		7.90	
	9:07	09:14:42	Tapping		7.27	
63233392	9:14	09:17:44	1st Charge		3.03	
	9:34	09:36:12	2nd Charge		1.63	
	10:10	10:11:20	Take Temperature		0.38	
	10:12	10:17:39	Tapping		5.57	
	10:17	10:20:39	1st Charge		3.00	
63233393	10:20	10:21:05	Electrode Slip		0.43	
	10:37	10:38:48	2nd Charge		1.42	
	11:15	11:21:29	Tapping		5.98	
	11:21	11:25:05	1st Charge		3.60	
	11:41	11:42:49	2nd Charge		1.58	
63233394	12:15	12:16:26	Push Door		1.23	
	12:17	12:17:23	Take Temperature		0.25	
	12:18	12:23:05	Tapping		5.00	
	12:23	12:26:15	1st Charge		3.17	
	12:39	12:39:37	Electrodes Moving Slow		0.07	
63233395	12:42	12:45:23	2nd Charge		2.99	
	13:17	13:21:02	Recarb		3.33	
	13:22	13:27:30	Tapping		5.12	
	13:27	13:30:30	1st Charge		3.00	
	13:30	13:37:29	Plugged		6.98	
63233396	13:39	13:49:48	10 Min TVA Demand		9.82	
	14:02	14:04:54	2nd Charge		2.98	
	14:37	14:44:02	Tapping		6.73	
	14:44	14:49:06	1st Charge		5.07	
	15:04	15:06:21	2nd Charge		1.68	
63233397	15:40	15:44:25	Lance Taphole		4.00	
	15:44	15:49:53	Tapping		5.47	
	15:49	15:52:53	1st Charge		3.00	
	15:52	15:58:25	Breakdown		5.53	changed 32 foot hose (8/28/2023 15:59 Richard Phelps)
	16:14	16:18:36	2nd Charge		3.80	
63233398	16:39	16:58:33	Changing Stir Rod		19.30	stir rod fell in the pit and wouldnt come back up had to pull the stir rod off to get a ladle in the rack (8/29/2023 07:51 Richard Phelps)
	17:06	17:24:52	Changing Stir Rod		18.62	
	17:28	17:30:13	Push Door		1.58	
	17:35	17:44:16	Tapping		8.52	
	17:44	17:47:32	1st Charge		3.27	
63233399	18:03	18:05:03	2nd Charge		1.72	
	18:40	18:40:47	Take Temperature		0.53	
	18:41	18:48:02	Tapping		6.22	
	18:48	18:51:02	1st Charge		3.00	
	18:51	18:52:02	Electrode Slip		1.00	
63233400	18:52	18:53:10	Electrode Slip		1.13	
	19:02	19:02:19			0.00	
	19:08	19:09:57	2nd Charge		1.50	
	19:09	19:12:20	Mash With Bucket	Excessive Build-Up	2.38	
	19:46	19:48:17	Lance Taphole		2.23	
63233401	19:48	19:53:30	Tapping		5.22	
	19:53	19:56:30	1st Charge		3.00	
	19:56	19:57:15	Electrode Slip		0.75	
	19:57	19:58:14	Electrode Slip		0.98	
	20:06	20:12:10	Break down		5.78	
63233402	20:20	20:21:48	2nd Charge		1.62	
	20:49	20:58:14	Plate Change		9.08	
	21:04	21:06:31	Lance Taphole		2.00	
	21:06	21:11:51	Tapping		5.33	
	21:11	21:14:51	1st Charge		3.00	
63233403	21:14	21:21:48	Gunned Furnace		6.95	gunned behind breast block (8/28/2023 21:15 Richard Phelps)
	21:37	21:38:08	2nd Charge		1.50	
	21:39	21:40:36	Mash With Bucket	Excessive Build-Up	1.47	
	22:15	22:20:48	Tapping		5.33	
	22:20	22:23:48	1st Charge		3.00	
63233404	22:23	22:24:30	Electrode Slip		0.70	
	22:24	22:25:35	Electrode Slip		1.08	
	22:28	22:32:25	Add Electrode		4.05	s1497 (8/28/2023 22:34 Richard Phelps)
	22:44	22:46:27	2nd Charge		1.52	
	22:46	23:04:17	Break Out		17.73	breakout #2 (8/28/2023 23:08 Richard Phelps)
63233405	23:35	23:42:16	Tapping		6.50	
	23:42	23:45:21	1st Charge		3.08	
	0:01	00:02:58	2nd Charge		1.67	
	0:37	00:43:14	Tapping		6.03	
	0:43	00:46:14	1st Charge		3.00	
63233406	0:46	00:47:14	Electrode Slip		1.00	
	0:47	00:47:53	Electrode Slip		0.65	
	0:50	00:54:03	Add Electrode		3.98	s1498 (8/29/2023 00:50 Richard Phelps)
	1:07	01:09:11	2nd Charge		1.50	
	1:40	01:42:56	Lance Carbon		2.08	
63233407	1:44	01:50:41	Tapping		6.52	
	1:50	01:53:11	1st Charge		2.50	
	2:09	02:10:51	2nd Charge		1.50	
	2:10	02:13:25	Mash With Bucket	Excessive Build-Up	2.57	
	2:44	02:45:36	Take Temperature		0.98	
63233408	2:49	02:55:18	Tapping		6.18	
	2:55	02:58:37	1st Charge		3.32	
	3:16	03:17:52	2nd Charge		1.90	
	3:55	03:56:50	Lance Taphole		1.27	
	3:56	04:02:13	Tapping		5.38	
63233409	4:02	04:05:13	1st Charge		3.00	
	4:05	04:06:42	Electrode Slip		1.48	
	4:18	04:24:09	Break down		5.50	
	4:29	04:30:57	2nd Charge		1.67	
	5:02	05:08:36	Tapping		6.10	
63233410	5:08	05:11:36	1st Charge		3.00	
	5:11	05:13:01	Electrode Slip		1.42	
	5:15	05:25:12	Add Electrode		9.63	added hot with 1494 (8/29/2023 05:17 Richard Phelps)
	5:38	05:40:33	2nd Charge		1.65	
	6:12	06:13:58			1.47	
63233411	6:14	06:19:26	Tapping		4.67	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/29/2023

heat	start time	end time	obser	reason	duration	note
63233410	6:19	06:22:46	1st Charge		3.33	
	6:39	06:41:28	2nd Charge		1.95	
	7:13	07:19:18	Tapping		5.82	
63233411	7:19	07:21:50	1st Charge		2.53	
	7:37	07:41:08	2nd Charge		3.95	
	8:14	08:15:21	Take Temperature		0.60	
63233412	8:15	08:20:54	Tapping		4.97	
	8:20	08:24:51	1st Charge		3.95	
	8:40	08:41:48	2nd Charge		1.47	
63233413	9:04	09:15:18	Plate Change		10.50	
	9:26	09:32:36	Tapping		6.05	
	9:32	09:35:46	1st Charge		3.17	
63233414	9:51	09:53:27	2nd Charge		1.62	
	10:32	10:38:36	Tapping		5.65	
	10:38	10:41:49	1st Charge		3.22	
63233415	10:57	11:06:52	2nd Charge		9.00	
	11:41	11:41:35	Take Temperature		0.07	
	11:42	11:47:49	Tapping		5.38	
63233416	11:47	11:50:44	1st Charge		2.92	
	12:07	12:08:51	2nd Charge		1.60	
	12:42	12:42:44	Take Temperature		0.22	
63233417	12:44	12:44:34	Take Temperature		0.28	
	12:45	12:51:45	Tapping		6.60	
	12:51	12:54:49	1st Charge		3.00	
63233418	12:54	13:06:55	Ran Slinger		12.10	
	13:23	13:24:59	2nd Charge		1.50	
	13:24	13:27:08	Mash With Bucket	Big Scrap on Top	2.15	
63233419	13:46	14:11:02	Breakdown		24.70	On 1 and 2 strands because strand one two and four cut long billet that wouldnt push (8/29/2023 17:18 SMITH, ANTHONY)
	14:29	14:34:28	Tapping		5.27	
	14:34	15:08:13	Breakdown		33.75	Strand 4 billet didn't push at 1:09:40 PM. It looked a little cold according to the camera, and didn't make the HMD. Then the next billet coming hit the end of that one and caused the strand to blank on high level. Strand 1 didn't cut all the way through at 1:35 PM according to the camera. Strand 2 got hung up somehow around 1:46 PM according to the camera and caused strand to blank on high level. (8/30/2023 09:37 Ambrosio, Douglas)
63233420	15:08	15:11:13	1st Charge		3.00	
	15:27	15:30:28	2nd Charge		2.73	
	16:04	16:09:43	Lance Carbon		5.13	
63233421	16:12	16:20:03	Tapping		7.92	
	16:20	16:21:33	1st Charge		1.50	
	16:21	16:37:08	Breakdown		15.58	
63233422	16:55	16:57:15	2nd Charge		1.70	
	17:32	17:41:43	Tapping		9.57	
	17:41	17:44:43	1st Charge		3.00	
63233423	17:44	17:48:51	Other		4.13	cold first temp waiting on the sample (8/29/2023 17:50 SMITH, ANTHONY)
	18:04	18:10:24	2nd Charge		5.88	
	18:45	18:51:32	Tapping		5.77	
63233424	18:51	18:54:32	1st Charge		3.00	
	18:54	18:55:30	Push Door		0.97	clean door (8/29/2023 18:57 SMITH, ANTHONY)
	19:11	19:13:27	2nd Charge		1.50	
63233425	19:13	19:20:48	Other		7.35	dumping dolo and hi-cal in bucket (8/29/2023 19:16 SMITH, ANTHONY)
	19:58	20:00:37	Lance Taphole		2.03	
	20:00	20:05:57	Tapping		5.33	
63233426	20:05	20:08:57	1st Charge		3.00	
	20:08	20:20:32	Plugged		11.58	
	20:35	20:37:06	2nd Charge		1.50	
63233427	20:37	20:38:08	Mash With Bucket	Excessive Build-Up	1.03	
	21:17	21:25:03	Tapping		7.13	
	21:25	21:28:03	1st Charge		3.00	
63233428	21:28	21:29:29	Mash With Bucket	Excessive Build-Up	1.43	
	21:40	21:40:34	Electrodes Moving Slow		0.02	
	21:45	21:47:15	2nd Charge		1.67	
63233429	22:22	22:24:41	Lance Carbon		2.32	
	22:24	22:30:26	Tapping		5.75	
	22:30	22:33:25	1st Charge		2.98	
63233430	22:49	22:50:50	2nd Charge		1.62	
	23:18	23:23:54	Other		5.47	have to put a laddle on preheater (8/29/2023 23:19 Tim MacLin)
	23:31	23:33:55	Lance Carbon		2.23	
63233431	23:33	23:34:58	Lance Taphole		1.05	
	23:34	23:39:39	Tapping		4.68	
	23:39	23:42:39	1st Charge		3.00	
63233432	23:42	23:44:12	Electrode Slip		1.55	
	23:47	23:51:57	Add Electrode		4.10	s1493 (8/29/2023 23:48 Tim MacLin)
	23:59	23:59:09	Electrodes Moving Slow		0.07	
63233433	0:04	00:06:23	2nd Charge		1.50	
	0:06	00:07:33	Other		1.17	forced roof down light (8/30/2023 00:08 Tim MacLin)
	0:42	00:44:25	Lance Taphole		2.38	
63233434	0:44	00:49:54	Tapping		5.48	
	0:49	00:52:54	1st Charge		3.00	
	0:52	00:53:54	Electrode Slip		1.00	
63233435	0:53	00:55:17	Electrode Slip		1.38	
	0:57	01:02:19	Add Electrode		4.57	s1496 (8/30/2023 01:00 Tim MacLin) (8/30/2023 01:02 Tim MacLin)
	1:16	01:17:37	2nd Charge		1.50	
63233436	1:52	01:53:07	Lance Carbon		1.00	
	1:53	01:54:06	Lance Taphole		0.98	
	1:54	01:58:59	Tapping		4.88	
63233437	1:58	02:02:12	1st Charge		3.22	
	2:17	02:19:20	2nd Charge		1.90	
	2:23	02:27:29	Mag Bezel Ring	Excessive Build-Up	3.83	
63233438	2:58	03:03:52	Tapping		5.38	
	3:03	03:07:04	1st Charge		3.20	
	3:23	03:24:35	2nd Charge		1.45	
63233439	3:59	04:04:48	Tapping		5.68	
	4:04	04:07:48	1st Charge		3.00	
	4:07	04:08:48	Fill Taphole Hopper		1.00	
63233440	4:24	04:26:27	2nd Charge		1.62	
	5:00	05:01:34	Lance Carbon		1.12	
	5:01	05:06:52	Tapping		5.30	
63233441	5:06	05:09:52	1st Charge		3.00	
	5:09	05:11:46	Electrode Slip		1.90	
	5:21	05:25:17	Break down		4.20	
63233442	5:32	05:33:55	2nd Charge		1.67	
	6:07	06:13:21	Tapping		6.08	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/30/2023

heat	start time	end time	obser	reason	duration	note
63233430	6:13	06:16:21	1st Charge		3.00	
	6:16	06:31:34	Electrode Slip		15.22	
	6:33	06:37:56	10 Min TVA Demand		4.72	
	6:38	06:49:02	10 Min TVA Demand		10.38	
	6:49	06:53:02			3.33	
	6:56	06:57:53	2nd Charge		1.65	
	7:02	07:03:33			0.78	
63233431	7:31	07:39:05	Tapping		7.80	
	7:39	07:44:36	1st Charge		5.52	
	7:48	07:58:24	Add Electrode		9.52	added hot 1495 (8/30/2023 10:10 Tim Maclin)
	8:01	08:05:26	Break down		3.48	
	8:14	08:16:13	2nd Charge		1.48	
	8:47	08:51:15	Recarb		4.13	
	8:52	08:58:46	Tapping		6.02	
63233432	8:58	09:01:47	1st Charge		3.02	
	9:17	09:18:33	2nd Charge		1.50	
	9:18	09:19:31	Mash With Bucket	Big Scrap on Top	0.97	
	9:54	09:59:46	Recarb		5.00	
	9:59	10:05:46	Tapping		6.00	
63233433	10:05	10:08:46	1st Charge		3.00	
	10:23	10:23:16	Electrodes Moving Slow		0.03	
	10:24	10:28:23	2nd Charge		1.48	
	11:02	11:05:33	Recarb		3.00	
	11:05	11:12:22	Tapping		6.82	
63233434	11:12	11:15:56	1st Charge		3.57	
	11:32	11:33:57	2nd Charge		1.47	
	12:01	12:05:01	Crane Busy		3.85	
	12:12	12:20:07	Tapping		7.30	
63233435	12:20	12:23:07	1st Charge		3.00	
	12:23	12:41:44	Ran Slinger		18.62	
	12:55	12:55:45			0.00	
	12:58	12:59:38	2nd Charge		1.50	
	12:59	13:00:38	Mash With Bucket	Big Scrap on Top	1.00	
	13:37	13:43:01	Tapping		5.73	
63233436	13:43	13:46:35	1st Charge		3.57	
	13:49	13:55:48	Skull arcing		6.65	between a and c phase (8/30/2023 14:17 Tim Maclin)
	14:09	14:10:58	2nd Charge		1.52	
	14:43	14:44:55	Take Temperature		1.30	
	14:45	14:51:22	Tapping		5.55	
63233437	14:51	14:54:31	1st Charge		3.15	
	15:10	15:12:17	2nd Charge		1.72	
	15:38	16:01:17	Blank	Billet Jammed	23.22	went down to 2 strands to make the pig when they tried to start strand 4 back up it jammed (8/30/2023 16:19 Tim Maclin)
	16:06	16:09:39	Push Door		3.25	
	16:17	16:22:35	Tapping		5.42	
	16:22	16:25:34	1st Charge		2.98	
63233438	16:42	16:44:04	2nd Charge		1.68	
	17:19	17:24:52	Tapping		5.10	
	17:24	17:27:52	1st Charge		3.00	
63233439	17:27	17:28:56	Electrode Slip		1.07	
	17:45	17:47:00	2nd Charge		1.50	
	17:47	17:48:38	Mash With Bucket	Big Scrap on Top	1.63	
	18:14	18:15:57	Carbon Boil		1.02	
63233440	18:23	18:29:19	Tapping		5.85	
	18:29	18:32:44	1st Charge		3.42	
	18:48	18:50:25	2nd Charge		1.78	
	18:56	18:56:12			0.00	
	19:20	19:21:55	Carbon Boil		1.08	
	19:26	19:31:28	Tapping		5.28	
	19:31	19:34:28	1st Charge		3.00	
	19:34	19:39:31	Plugged		5.05	
	19:54	19:56:13	2nd Charge		1.60	
	20:23	20:23:48	Carbon Boil		0.52	
	20:31	20:31:42	Carbon Boil		0.70	
	20:32	20:37:42	Tapping		4.77	
63233442	20:37	20:40:50	1st Charge		3.13	
	20:56	20:58:27	2nd Charge		1.80	
	21:32	21:38:37	Tapping		6.57	
63233443	21:38	21:41:37	1st Charge		3.00	
	21:41	21:43:38	Trash in the hopper		2.02	Put up runner fill. (8/31/2023 01:57 EAF EAF)
	21:58	21:58:57	Electrodes Moving Slow		0.02	(8/31/2023 01:57 EAF EAF)
	21:59	22:01:22	2nd Charge		1.68	
	22:36	22:41:19	Tapping		5.32	
63233444	22:41	22:44:18	1st Charge		2.98	
	23:00	23:01:58	2nd Charge		1.67	
	23:29	23:33:19	Plate Change		3.83	
	23:41	23:47:56	Tapping		6.75	
63233445	23:47	23:51:32	1st Charge		3.60	
	0:03	00:03:28	Electrodes Moving Slow		0.08	
	0:07	00:11:34	2nd Charge		3.88	
	0:46	00:52:45	Tapping		6.42	
					Days	250.00
					Nights	250.00
						70%
						70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 8/31/2023

heat	start time	end time	obser	reason	duration	note
63233446	0:52	00:53:45	Add Electrode		1.00	Added A phase with 1489, Added C phase with 1490 (8/31/2023 02:00 EAF EAF) (8/31/2023 02:00 EAF EAF)
	0:53	18:49:06	Downday		1075.35	
	18:59	19:12:26			12.75	Problems with EAF cold well pump #2. (9/1/2023 13:39 Stefenon, Andre)
	19:20	19:26:10	2nd Charge		5.87	
	19:43	19:51:03	Cold Furnace Start Up		7.80	
	20:01	20:06:22	Cold Furnace Start Up		5.18	
	20:12	20:12:57			0.02	
	20:14	20:19:35	Carbon Boil		5.17	
	20:26	20:34:23	Tapping		7.82	
63233447	20:34	20:37:23	1st Charge		3.00	
	20:37	20:48:31	Gunned Furnace		11.13	behind breast block material washed out (8/31/2023 20:41 SMITH, ANTHONY)
	21:05	21:07:34	2nd Charge		1.67	
	21:17	04:06:16			408.77	Problems with EAF cold well pump #2 (9/1/2023 13:40 Stefenon, Andre)
	4:32	04:35:43			3.70	Problems with EAF cold well pump #2 (9/1/2023 13:40 Stefenon, Andre)
	4:51	05:02:22	Tapping		10.43	
63233448	5:02	05:19:01	1st Charge		16.65	
	5:36	05:38:24	2nd Charge		1.80	
	6:10	06:11:52	Carbon Boil		1.63	
	6:17	06:24:54	Tapping		7.78	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/1/2023

heat	start time	end time	obser	reason	duration	note
63233449	6:24	06:27:58	1st Charge		3.07	
	6:45	06:47:18	2nd Charge		1.93	
	6:57	07:07:24	Break down		9.50	Tripped during shift change. (9/1/2023 07:07 SMITH, ANTHONY)
	7:31	07:37:36	Tapping		6.53	
63233450	7:37	07:41:10	1st Charge		3.57	
	7:57	07:59:08	2nd Charge		1.37	
	7:59	08:00:25	Mash With Bucket	Excessive Build-Up	1.28	
	8:33	08:43:01	Recarb		9.73	
63233451	8:43	08:45:01	Pack Tap Hole		2.00	
	8:45	08:54:31	Gunned Furnace		9.50	Door jam skull knocked off. Gunning west side jam in. (9/1/2023 08:47 SMITH, ANTHONY)
	9:11	09:13:38	2nd Charge		1.72	
	9:49	09:50:19	Take Temperature		1.08	
	9:51	09:58:53	Tapping		6.97	
63233452	9:58	10:02:17	1st Charge		3.40	
	10:02	10:02:59	Electrode Slip		0.70	Back slip (9/1/2023 10:05 SMITH, ANTHONY)
	10:02	10:03:23	Electrode Slip		0.40	
	10:03	10:03:50	Electrode Slip		0.45	
	10:06	10:13:55	Add Electrode		7.85	1492 added hot. (9/1/2023 10:29 SMITH, ANTHONY)
	10:27	10:32:22	Plugged		4.40	Dumping load in 2nd charge. (9/1/2023 10:29 SMITH, ANTHONY)
	11:01	11:04:02			2.48	
	11:12	11:19:29	Tapping		7.08	
63233453	11:19	11:27:14	Breakdown		7.75	
	11:43	11:45:13	2nd Charge		1.65	
	12:18	12:22:39	Breakdown		4.60	Pole (9/1/2023 12:20 SMITH, ANTHONY)
	12:27	12:33:39	Tapping		6.43	
63233454	12:33	12:37:35	1st Charge		3.93	
	12:54	12:56:20	2nd Charge		1.78	
	13:32	13:39:20	Tapping		6.45	
63233455	13:39	13:43:40	1st Charge		4.33	
	14:01	14:05:41	Plugged		4.60	
	14:13	14:16:10	Break down		3.17	Tripped (9/1/2023 14:15 SMITH, ANTHONY)
	14:45	14:52:14	Tapping		6.30	
	14:52	14:55:45	1st Charge		3.52	
63233456	15:10	15:10:53			0.03	
	15:14	15:15:37	2nd Charge		1.62	
	15:50	15:56:29	Tapping		6.27	
	15:56	15:59:33	1st Charge		3.07	
	16:15	16:17:40	2nd Charge		1.70	
63233457	16:53	17:00:54	Tapping		6.93	
	17:00	17:03:52	1st Charge		2.97	
	17:20	17:21:45	2nd Charge		1.65	
	17:59	18:06:32	Tapping		7.08	
63233459	18:06	18:08:32	1st Charge		2.00	
	18:08	18:10:02	Drop Start Bucket		1.50	
	18:10	18:10:32	Electrode Slip		0.50	
	18:10	18:11:02	Electrode Slip		0.50	
	18:11	18:11:32	Electrode Slip		0.50	
	18:11	18:12:20	Fill Taphole Hopper		0.80	
	18:28	18:30:25	2nd Charge		1.73	
	19:06	19:06:33	Take Temperature		0.17	
	19:07	19:13:32	Tapping		6.48	
	19:13	19:18:18	1st Charge		4.77	
63233460	19:34	19:35:51	2nd Charge		1.75	
	19:59	20:01:05	Plate Change		1.95	
	20:16	20:16:21	Take Temperature		0.27	
	20:16	20:24:00	Tapping		7.25	
	20:24	20:27:06	1st Charge		3.10	
63233461	20:43	20:45:34	2nd Charge		1.77	
	21:17	21:19:10	Carbon Boil		1.23	
	21:22	21:29:16	Tapping		6.73	
	21:29	21:33:03	1st Charge		3.78	
63233462	21:36	21:40:39	Add Electrode		4.35	1481 (9/1/2023 21:40 SMITH, ANTHONY)
	21:54	21:55:49	2nd Charge		1.75	
	22:30	22:32:44	Carbon Boil		2.60	
	22:34	22:44:03	Tapping		9.33	
	22:44	22:47:32	1st Charge		3.48	
63233463	23:04	23:06:31	2nd Charge		2.13	
	23:24	23:30:06	Breakdown		5.78	leaking in trough on fire (9/1/2023 23:26 SMITH, ANTHONY)
	23:48	23:55:00	Tapping		6.97	
63233464	23:55	23:59:16	1st Charge		4.27	
	0:16	00:17:49	2nd Charge		1.73	
	0:52	01:05:24	Lance Carbon		12.50	
63233465	1:05	01:09:58	1st Charge		4.57	
	1:12	01:15:42	Add Electrode		3.48	1481 in a 1488 s (9/2/2023 01:13 SMITH, ANTHONY)
	1:31	01:34:03	2nd Charge		2.40	
	2:07	02:12:57	Lance Carbon		5.00	
	2:12	02:21:14	Tapping		8.28	
63233466	2:21	02:24:36	1st Charge		3.37	
	2:40	02:42:43	2nd Charge		1.83	
	3:17	03:25:46	Tapping		8.48	
63233467	3:25	03:30:03	1st Charge		4.28	
	3:46	03:48:02	2nd Charge		1.77	
	4:22	04:31:31	Tapping		9.25	
	4:31	04:34:23	1st Charge		2.87	
63233468	4:50	04:52:10	2nd Charge		1.95	
	5:24	05:30:43	Carbon Boil		6.55	
	5:33	05:44:38	Tapping		11.45	
	5:44	05:47:48	1st Charge		3.17	
	6:05	06:07:37	2nd Charge		2.23	
63233469	6:40	06:49:06	Tapping		8.17	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/2/2023

heat	start time	end time	obser	reason	duration	note
63233470	6:49	07:11:12	1st Charge		22.10	
	7:27	07:29:33	2nd Charge		1.60	
	8:00	08:00:51	Carbon Boil		0.70	
	8:03	08:04:29	Take Temperature		0.60	
	8:04	08:06:26	Lance Taphole		1.95	
	8:06	08:13:48	Tapping		7.37	
63233471	8:13	08:19:44	Plugged		5.93	
	8:19	08:21:26	Waiting For Crane	Training Employee	1.70	
	8:38	08:43:50	Carbon Boil		5.75	Dump in 2nd charge. (9/2/2023 08:40 SMITH, ANTHONY)
	9:14	09:15:27	Carbon Boil		0.77	
	9:17	09:27:20	Tapping		10.12	
	9:27	09:29:20	1st Charge		2.00	
63233472	9:29	09:31:38	Waiting For Crane	Training Employee	2.30	
	9:31	09:32:14	Electrode Slip		0.60	
	9:32	09:32:56	Electrode Slip		0.70	
	9:32	09:34:13			1.28	Lost roof out light. (9/2/2023 09:35 SMITH, ANTHONY)
	9:50	09:52:53	Waiting For Crane	Training Employee	2.13	
	10:21	10:22:06	Carbon Boil		0.58	
63233473	10:22	10:22:22	Take Temperature		0.17	
	10:26	10:28:23	Lance Taphole		1.90	
	10:28	10:34:40	Tapping		6.28	
	10:34	10:36:40	Pack Tap Hole		2.00	
	10:36	10:38:22	Clean Slag Door		1.70	
	10:38	10:39:52	Drop Start Bucket		1.50	
63233474	10:39	10:40:22	Electrode Slip		0.50	
	10:56	10:59:07	2nd Charge		2.28	
	11:30	11:34:23	Swap to backup ladle		3.45	Gun lip of ladle once it got to furnace. (9/2/2023 11:37 SMITH, ANTHONY)
	11:35	11:42:07	Tapping		6.70	
	11:42	11:46:20	1st Charge		4.22	
	12:02	12:04:23	Waiting For Crane	Training Employee	2.18	
63233475	12:36	12:42:28	Tapping		5.70	
	12:42	12:44:28	Pack Tap Hole		2.00	
	12:44	12:47:04	Waiting For Crane	Training Employee	2.60	
	12:47	12:48:41	Other		1.62	Fire on shunk cables after charge. Locked out MOD to spray fire with water. (9/2/2023 12:50 SMITH, ANTHONY)
	13:04	13:06:23	Waiting For Crane	Training Employee	2.25	
	13:07	13:09:34	Other		2.05	Skull by A phase. Timer vacuum switch delay. (9/2/2023 13:09 SMITH, ANTHONY)
63233476	13:36	13:37:17	Carbon Boil		0.82	
	13:42	13:48:24	Tapping		5.97	
	13:48	13:52:15	1st Charge		3.85	
	14:07	14:09:09	2nd Charge		1.73	
	14:43	14:51:24	Tapping		8.16	
	14:51	14:53:24	Pack Tap Hole		2.00	
63233477	14:53	14:55:42	Waiting For Crane	Training Employee	2.30	
	14:55	14:56:24	Electrode Slip		0.70	
	14:56	14:56:57	Electrode Slip		0.55	
	15:03	15:03:29			0.02	
	15:12	15:14:39	2nd Charge		2.25	
	15:43	15:44:36	Carbon Boil		1.03	
63233478	15:49	15:50:25	Take Temperature		0.60	
	15:51	15:59:40	Tapping		7.85	
	15:59	16:04:52	Plugged		5.20	
	16:04	16:06:58	Waiting For Crane	Training Employee	2.10	
	16:06	16:07:16	Electrode Slip		0.30	Back slip. (9/2/2023 16:09 SMITH, ANTHONY)
	16:10	16:20:57	Add Electrode		10.90	Added hot 1487 (9/2/2023 16:14 SMITH, ANTHONY)
63233479	16:34	16:36:37	Waiting For Crane	Training Employee	2.27	
	17:09	17:09:52	Take Temperature		0.20	
	17:10	17:18:18	Tapping		7.67	
	17:18	17:20:18	Pack Tap Hole		2.00	
	17:20	17:22:12	Drop Start Bucket		1.90	
	17:22	17:22:48	Electrode Slip		0.60	
63233480	17:22	17:23:36	Electrode Slip		0.80	
	17:23	17:24:54	Other		1.30	Roof stopped while swinging on. Had to swing back off and swing back on. (9/2/2023 17:28 SMITH, ANTHONY)
	17:24	17:26:28	Fill Taphole Hopper		1.57	
	17:42	17:44:46	2nd Charge		2.30	
	18:19	18:20:10	Carbon Boil		0.73	
	18:21	18:23:21	Lance Carbon		1.73	
63233481	18:23	18:25:31	Lance Taphole		2.17	
	18:25	18:32:14	Tapping		6.72	
	18:32	18:37:59	1st Charge		5.75	
	18:54	18:56:52	2nd Charge		1.90	
	19:31	19:31:20			0.10	
	19:32	19:39:47	Tapping		7.72	
63233482	19:39	19:44:02	1st Charge		4.25	
	19:49	19:49:20			0.07	
	20:00	20:01:53	2nd Charge		1.77	
	20:36	20:45:44	Tapping		8.75	
	20:45	20:51:53	1st Charge		6.15	
	20:57	21:00:25	Add Electrode		3.40	1486 s.....1488c (9/2/2023 21:01 SMITH, ANTHONY)
63233483	21:11	21:12:40	2nd Charge		1.65	
	21:47	21:55:01	Tapping		7.42	
	21:55	21:58:01	1st Charge		3.00	
	21:58	22:10:27	Ran Slinger		12.43	
	22:26	22:27:52	2nd Charge		1.62	
	23:01	23:02:00	Carbon Boil		0.85	
63233484	23:05	23:05:25			0.08	
	23:06	23:15:01	Tapping		8.85	
	23:15	23:18:08	1st Charge		3.12	
	23:34	23:36:01	2nd Charge		1.80	
	00:09	00:16:03	Tapping		6.08	
	00:16	00:19:26	1st Charge		3.38	
63233485	00:35	00:36:50	2nd Charge		1.77	
	1:06	01:08:10	Carbon Boil		2.00	
	1:10	01:10:58			0.17	
	1:11	01:19:54	Tapping		8.17	
	1:19	01:23:37	1st Charge		3.72	
	1:39	01:41:47	2nd Charge		1.92	
63233486	2:14	02:22:24	Tapping		7.88	
	2:22	02:26:48	1st Charge		4.40	
	2:30	02:34:14	Add Electrode		3.73	1485s...1486a (9/3/2023 02:34 SMITH, ANTHONY)
	2:46	02:48:02	2nd Charge		1.70	
	3:20	03:21:23	Redump Ladle		0.77	
	3:24	03:33:01	Tapping		8.60	
63233487	3:33	03:36:31	1st Charge		3.50	
	3:52	03:54:03	2nd Charge		1.73	
	4:26	04:27:27	Carbon Boil		1.23	
	4:28	04:38:19	Tapping		9.42	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/3/2023

heat	start time	end time	obser	reason	duration	note
63233489	4:38	04:41:19	1st Charge		3.00	
	4:41	07:46:25	Breakdown		185.10	at least 4 hoses leaking under fce lost 1000 gallons since yesterday (9/3/2023 04:48 SMITH, ANTHONY)
	7:46	07:49:36	Reset KWH meter		2.97	
	8:07	08:08:48	2nd Charge		1.58	
	8:45	08:46:20	Lance Taphole		0.92	
	8:46	08:52:40	Tapping		6.33	
63233490	8:52	08:56:13	1st Charge		3.55	
	9:11	09:13:20	2nd Charge		1.60	
	9:15	09:15:46	Other		0.57	Boaring down on scrap hard. Making sure it wasnt arcing on roof. (9/3/2023 09:45 SMITH, ANTHONY)
	9:43	09:44:52	Carbon Boil		0.98	
	9:49	09:56:41	Tapping		6.75	
63233491	9:56	10:00:27	1st Charge		3.77	
	10:15	11:53:00	Breakdown		97.73	No power. (9/3/2023 10:17 SMITH, ANTHONY)
	12:16	12:37:40	Crane Busy		21.15	One crane, tundish change and had to drop 2nd charge. (9/3/2023 12:55 SMITH, ANTHONY)
	12:53	12:56:21	Lance Taphole		3.20	
	12:56	13:03:49	Tapping		7.47	
63233492	13:03	13:07:41	1st Charge		3.87	
	13:23	13:24:42	2nd Charge		1.67	
	13:57	13:57:53	Carbon Boil		0.62	
	14:00	14:02:20	Lance Taphole		1.75	
	14:02	14:08:31	Tapping		6.18	
63233493	14:08	14:12:26	1st Charge		3.92	
	14:23	14:23:59			0.02	
	14:28	14:30:34	2nd Charge		1.65	
	15:04	15:04:45	Carbon Boil		0.42	
	15:04	15:06:03	Lance Carbon		1.22	
	15:08	15:14:04	Tapping		5.95	
63233494	15:14	15:18:47	1st Charge		4.72	
	15:26	15:26:49			0.05	
	15:34	15:36:02	2nd Charge		1.60	
	16:06	16:07:47	Carbon Boil		1.13	
	16:10	16:18:47	Lab-Sample		8.15	
	16:20	16:21:59	Other		1.42	Had trouble getting green light on catfish. Had to wait on vaccum switch timer. (9/3/2023 16:22 SMITH, ANTHONY)
	16:24	16:31:00	Tapping		6.82	
63233495	16:31	16:35:53	1st Charge		4.88	
	16:51	16:53:25	2nd Charge		1.63	
	17:21	17:23:37	Fill Taphole Hopper		1.70	
	17:27	17:42:08	Blank	Strand Started Late	14.80	
	17:47	17:52:50	Tapping		5.63	
63233496	17:52	17:57:04	1st Charge		4.23	
	18:13	18:14:59	2nd Charge		1.75	
	18:50	18:57:05	Tapping		6.10	
63233497	18:57	19:03:12	1st Charge		6.12	
	19:20	19:21:58	2nd Charge		1.70	
	19:31	19:31:52	Other		0.02	
	19:54	20:11:23	Taking Sample TMSD		16.88	
	20:15	20:15:56	Take Temperature		0.15	
	20:16	20:25:06	Tapping		8.48	
63233498	20:25	20:30:14	1st Charge		5.13	
	20:33	20:44:59	Add Electrode		11.50	1484 (9/3/2023 20:36 SMITH, ANTHONY)
	20:57	20:59:00	2nd Charge		1.65	
	21:30	21:41:09	Swap to backup ladle		11.13	ladle #4 has steel leaked through w/b set out (9/3/2023 21:53 Ben Gearin)
	21:46	21:53:34	Tapping		6.67	
63233499	21:53	21:56:17	1st Charge		2.72	
	22:12	22:13:51	2nd Charge		1.75	
	22:45	22:55:26	Taking Sample TMSD		10.17	
	22:59	23:08:17	Tapping		8.48	
63233500	23:08	23:12:55	1st Charge		4.63	
	23:28	23:38:29	2nd Charge		9.50	
	23:58	00:13:01	Changing Stir Rod		14.53	
	0:24	00:26:39	Take Temperature		2.15	
	0:31	00:37:19	Tapping		5.82	
63233501	0:37	00:41:16	1st Charge		3.95	
	0:44	00:47:56	Add Electrode		3.37	1485c1483s (9/4/2023 00:50 SMITH, ANTHONY)
	1:00	01:01:46	2nd Charge		1.75	
	1:33	01:46:05	Other		12.73	duloth (9/4/2023 02:02 SMITH, ANTHONY)
	1:51	01:58:36	Tapping		6.93	
63233502	1:58	02:02:19	1st Charge		3.72	
	2:17	02:19:14	2nd Charge		1.77	
	2:50	03:00:51			10.15	
	3:05	03:12:08	Tapping		6.75	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/6/2023

heat	start time	end time	obser	reason	duration	note
63233503	3:12	00:50:02	Downday		4177.90	
	0:55	01:00:02	Break down		4.07	Tripped (9/7/2023 00:58 Richard Phelps)
	1:13	01:13:08			0.00	
	1:13	01:15:23	Drop 2nd Bucket		1.80	
	1:15	01:25:26	Cold Furnace Start Up		10.05	
	1:40	01:51:08	Cold Furnace Start Up		10.22	
	2:02	02:12:16	Cold Furnace Start Up		10.08	
	2:21	02:36:42	Breakdown		14.75	Was reading aluminum instead of carbon. Had to figure out had to get it swapped to read carbon. (9/7/2023 04:07 Richard Phelps)
	2:43	02:47:19	Lance Carbon		4.28	
	2:58	03:02:03	Cold Furnace Start Up		3.75	
	3:08	03:10:53	Take Temperature		1.93	
	3:12	03:13:12	Take Temperature		0.50	
	3:14	03:14:47	Take Temperature		0.32	
	3:17	03:35:04	Breakdown		17.58	Pole broke. (9/7/2023 03:57 Richard Phelps)
	3:37	03:38:29	Other		1.40	Break slag up, slag was too thick. (9/7/2023 03:58 Richard Phelps)
	3:40	03:58:42	Other		18.30	Ladle was cold sent back and lanced carbon. (9/7/2023 03:59 Richard Phelps)
	3:58	04:08:36	Tapping		9.90	6 inch hole for tap sleeve. (9/7/2023 04:03 Richard Phelps)
	4:08	04:26:00	Other		17.40	Observe furnace after cold start up to look at bottom and banks. (9/7/2023 04:13 Richard Phelps)
	4:43	04:46:02	Drop 2nd Bucket		3.02	
	5:21	05:27:43	Lance Taphole		6.48	
63233504	5:29	05:37:55	Tapping		8.35	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/7/2023

heat	start time	end time	obser	reason	duration	note
63233505	5:37	05:45:21	1st Charge		7.43	
	5:49	05:54:36	Add Electrode		5.35	1473 (9/7/2023 06:05 Richard Phelps)
	6:04	06:05:45	Other		1.42	Making sure still had but on A phase. Sounded as if it was on something that was not conducting. (9/7/2023 06:07 Richard Phelps)
	6:08	06:10:21	2nd Charge		1.58	
	6:39	06:41:44	Blank	Did Not Disconnect	2.25	
	6:45	06:53:09	Lance Taphole		7.83	
	6:53	07:01:09	Tapping		8.00	
63233506	7:01	07:04:39	1st Charge		3.50	
	7:20	07:22:14	2nd Charge		1.60	
	7:52	07:54:20	Blank		2.07	
	7:58	08:01:19			3.00	
	8:01	08:14:19	Lance Taphole		13.00	
	8:14	08:24:31	Tapping		10.20	
63233507	8:24	08:36:56	1st Charge		12.42	
	8:53	08:54:39	2nd Charge		1.62	
	9:27	09:28:40	Lance Taphole		1.45	
	9:30	09:36:53	Lance Taphole		6.00	
	9:36	09:44:50	Tapping		7.95	
63233508	9:44	09:48:43	1st Charge		3.88	
	10:03	10:05:39	2nd Charge		1.68	
	10:43	10:46:53	Lance Taphole		3.00	
	10:46	10:56:50	Tapping		9.95	
63233509	10:56	11:22:50	Deskull Furnace		26.00	Cleaned around taphole with TMS (9/7/2023 13:05 Tim MacIn)
	11:22	11:25:51	1st Charge		3.02	
	11:41	11:43:35	2nd Charge		1.83	
	12:16	12:17:46	Carbon Boil		0.97	
	12:17	12:17:54	Electrodes Moving Slow		0.03	
	12:18	12:21:20	Lance Carbon		2.75	
	12:21	12:30:38	Tapping		9.30	
63233510	12:30	12:33:38	1st Charge		3.00	
	12:33	12:35:40	Electrode Slip		2.03	
	12:51	12:53:27	2nd Charge		1.63	
	13:25	13:29:48	Lance Taphole		4.00	
	13:29	13:29:59	Electrodes Moving Slow		0.03	
	13:31	13:39:54	Tapping		8.07	
63233511	13:39	13:42:56	1st Charge		3.03	
	13:57	13:59:12	2nd Charge		1.57	
	14:32	14:33:13	Carbon Boil		0.92	
	14:36	14:39:31	Lance Carbon		3.00	
	14:39	14:48:43	Tapping		9.20	
63233512	14:48	14:51:17	1st Charge		2.57	
	15:07	15:08:43	2nd Charge		1.65	
	15:40	15:41:25	Carbon Boil		0.65	
	15:43	15:48:08	Lance Taphole		4.65	
	15:48	15:56:29	Tapping		8.35	
63233513	15:56	15:59:57	1st Charge		3.47	
	16:15	16:16:51	2nd Charge		1.70	
	16:49	16:54:47	Lance Taphole		5.00	
	16:54	17:03:55	Tapping		9.13	
63233514	17:03	17:06:55	1st Charge		3.00	
	17:06	17:09:20	Electrode Slip		2.42	
	17:24	17:26:13	2nd Charge		2.13	
	17:57	17:59:34	Plate Change		2.50	
	17:59	17:59:45	Electrodes Moving Slow		0.02	
	18:02	18:07:28	Lance Taphole		5.00	
	18:07	18:12:28	Tapping		5.00	
	18:12	18:17:09	Tapping		4.68	
63233515	18:17	18:21:05	1st Charge		3.93	
	18:22	18:31:20	Add Electrode		8.98	Added hot with 1474 (9/7/2023 18:32 Tim MacIn)
	18:44	18:46:02	2nd Charge		1.55	
	19:18	19:23:57	Lance Taphole		5.00	
	19:23	19:32:23	Tapping		8.43	
63233516	19:32	19:35:23	1st Charge		3.00	
	19:35	19:36:56	Electrode Slip		1.55	
	19:54	19:56:05	2nd Charge		1.78	
	20:26	20:26:50	Carbon Boil		0.82	
	20:31	20:44:11	Tapping		12.83	
63233517	20:44	20:47:11	1st Charge		3.00	
	20:47	20:48:44	Electrode Slip		1.55	
	20:50	20:55:10	Add Electrode		4.27	s1480 (9/7/2023 20:55 Tim MacIn)
	21:08	21:10:10	2nd Charge		1.48	
	21:42	21:45:34	Lance Taphole		3.00	
	21:45	21:54:47	Tapping		9.22	
63233518	21:54	21:58:18	1st Charge		3.52	
	22:13	22:14:39	2nd Charge		1.45	
	22:46	22:50:06	Push Door		3.20	
	22:52	23:01:13	Tapping		9.02	
63233519	23:01	01:15:29	Change Mold	Billet Stuck in the mold	134.27	shell in the mold (9/8/2023 02:25 Tim MacIn)
	1:30	01:31:47	2nd Charge		1.38	
	1:56	02:11:10	Change Mold	Billet Stuck in the mold	15.00	shell in the mold (9/8/2023 02:24 Tim MacIn)
	2:11	02:32:10	J hook		21.00	J hooks hung on ladle (9/8/2023 02:26 Tim MacIn)
	2:45	02:45:54	Take Temperature		0.28	
	2:48	02:56:47	Tapping		7.98	
63233520	2:56	03:00:31	1st Charge		3.73	
	3:16	03:20:59	2nd Charge		4.80	
	3:54	04:01:52	Tapping		7.65	
63233521	4:01	04:04:52	1st Charge		3.00	
	4:04	04:11:14	Plugged		6.37	
	4:25	04:27:23	2nd Charge		1.48	
	4:51	05:03:05	Blank	Superheat	11.88	
	5:13	05:25:08	Tapping		11.80	
63233522	5:25	05:28:23	1st Charge		3.25	
	5:43	05:44:59	2nd Charge		1.52	
	6:18	06:21:21	Blank	Superheat	3.00	
	6:21	06:24:44	Lance Taphole		3.38	
	6:26	06:33:48	Tapping		7.23	
Days				250.00	70%	
Nights				250.00	70%	

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/8/2023

heat	start time	end time	obser	reason	duration	note
63233523	6:33	06:37:08	1st Charge		3.33	
	6:52	06:53:49	2nd Charge		1.67	
	7:22	07:26:51	Blank	Strand Started Late	4.85	Previous shift, (9/8/2023 07:42 Tim Maclin)
	7:32	07:34:48	Other		2.65	
	7:34	07:43:24	Tapping		8.60	
63233524	7:43	07:46:42	1st Charge		3.30	
	8:01	08:03:44	2nd Charge		1.77	
	8:36	08:40:58	Blank	Strand Started Late	4.00	
	8:40	08:49:52	Tapping		8.90	
63233525	8:49	08:55:36	1st Charge		5.73	
	8:57	09:00:51	Add Electrode		3.38	Added with 1479 (9/8/2023 08:59 Tim Maclin)
	9:14	09:16:04	2nd Charge		1.67	
	9:47	09:49:29	Tapping		2.00	
63233526	9:49	09:56:39	Tapping		7.17	
	9:56	09:59:34	1st Charge		2.92	
	10:14	10:15:52	2nd Charge		1.65	
	10:49	10:49:15	Take Temperature		0.12	
	10:50	10:59:59	Tapping		9.58	
63233527	10:59	11:02:52	1st Charge		2.88	
	11:18	11:26:37	Plugged		7.83	Had to dump a bucket, (9/8/2023 11:22 Tim Maclin)
	11:57	11:59:48	Lance Taphole		2.20	
	11:59	12:07:15	Tapping		7.45	
63233528	12:07	12:15:22	Plugged		8.12	Unplugged hical (9/8/2023 14:29 Tim Maclin)
	12:15	12:18:26	1st Charge		3.07	
	12:33	12:34:59	2nd Charge		1.72	
	13:10	13:10:40	Take Temperature		0.48	
63233529	13:11	13:18:33	Tapping		7.95	
	13:19	13:23:30	1st Charge		3.95	
	13:38	13:40:04	2nd Charge		1.62	
	14:14	14:18:27	Lance Taphole		4.00	
	14:18	14:26:51	Tapping		8.40	
63233530	14:26	14:29:38	1st Charge		2.78	
	14:45	14:47:00	2nd Charge		1.75	
	15:20	15:20:47	Take Temperature		0.48	
	15:21	15:29:56	Tapping		8.38	
63233531	15:29	15:32:49	1st Charge		2.88	
	15:47	15:49:21	2nd Charge		1.67	
	16:21	16:22:05	Take Temperature		0.90	
	16:24	16:31:55	Tapping		7.67	
63233532	16:31	16:41:54	Ran Slinger		9.98	
	16:41	16:43:54	1st Charge		2.00	Delay didn't end automatically, (9/8/2023 16:48 Tim Maclin)
	16:43	16:47:08	Other		3.23	
	16:59	17:00:58	2nd Charge		1.75	
	17:34	17:43:16	Tapping		8.33	
63233533	17:43	17:46:16	1st Charge		3.00	
	17:46	17:47:16	Push Door		1.00	
	17:47	17:49:18	Electrode Slip		2.03	
	18:04	18:06:12	2nd Charge		1.60	
	18:40	18:43:06	Lance Taphole		3.00	
	18:43	18:51:28	Tapping		8.37	
63233534	18:51	18:54:08	1st Charge		2.67	
	19:08	19:09:50	2nd Charge		1.50	
	19:44	19:47:09	Lance Taphole		2.88	
	19:47	19:54:12	Tapping		7.05	
63233535	19:54	19:57:10	1st Charge		2.97	
	20:11	20:13:20	2nd Charge		1.62	strand 1 torch tube had to be replaced (9/8/2023 20:54 Tim Maclin)
	20:40	20:51:23	Breakdown		10.50	
	20:57	20:58:17	Take Temperature		0.47	
	20:59	21:03:59	Lance Taphole		4.00	
	21:03	21:11:05	Tapping		7.10	
63233536	21:11	21:14:05	1st Charge		3.00	
	21:14	21:24:01	Plugged		9.93	
	21:38	21:40:58	2nd Charge		2.33	
	22:14	22:16:42	Lance Taphole		2.32	
	22:16	22:23:45	Tapping		7.05	
63233537	22:23	22:26:45	1st Charge		3.00	
	22:26	22:28:54	Electrode Slip		2.15	
	22:30	22:34:17	Add Electrode		3.67	s1475 (9/8/2023 22:35 Tim Maclin)
	22:46	22:47:50	2nd Charge		1.43	
	23:23	23:26:29	Lance Taphole		3.00	
	23:26	23:33:57	Tapping		7.47	
63233538	23:33	23:38:35	1st Charge		4.63	
	23:52	23:55:13	2nd Charge		2.43	
	0:29	00:37:35	Breakdown		8.27	broke pole (9/9/2023 01:02 SMITH, ANTHONY)
	0:41	00:50:33	Tapping		8.92	
63233539	0:50	00:53:33	1st Charge		3.00	#3 coke gun leaking at the fitting (9/9/2023 01:01 SMITH, ANTHONY)
	0:53	01:00:03	Breakdown		6.50	
	1:14	01:15:46	2nd Charge		1.50	
	1:49	01:58:24	Tapping		9.15	
63233540	1:58	02:02:05	1st Charge		3.68	
	2:14	02:14:28			0.02	
	2:15	02:18:14	2nd Charge		2.40	
	2:52	02:54:05			1.28	
	2:55	02:55:53			0.42	
	2:56	03:04:20	Tapping		7.77	
63233541	3:04	03:07:20	1st Charge		3.00	
	3:07	03:08:14	Electrode Slip		0.90	
	3:12	03:22:48	Add Electrode		9.87	s1476 (9/9/2023 03:14 SMITH, ANTHONY) added hot (9/9/2023 03:15 SMITH, ANTHONY)
	3:32	03:34:58	2nd Charge		2.25	
	4:07	04:08:45	Take Temperature		0.93	
	4:09	04:16:51	Tapping		7.27	
63233542	4:16	04:20:31	1st Charge		3.67	
	4:34	04:36:26	Waiting For Crane	Training Employee	2.13	
	5:05	05:13:55	Swap to backup ladle		8.65	
	5:17	05:18:57	Push Door		0.97	
	5:22	05:30:12	Tapping		8.20	
63233543	5:30	05:33:25	1st Charge		3.22	
	5:46	05:48:21	2nd Charge		1.43	
	6:23	06:24:35	Take Temperature		0.98	
	6:26	06:33:44	Tapping		7.03	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/9/2023

heat	start time	end time	obser	reason	duration	note
63233544	6:33	06:37:21	1st Charge		3.62	
	6:51	06:53:20	2nd Charge		1.62	
	7:27	07:33:55	Tapping		6.63	
63233545	7:33	07:36:58	1st Charge		3.05	
	7:51	07:53:18	2nd Charge		1.75	
	8:17	08:30:36	Plate Change		12.73	
	8:42	08:51:23	Tapping		8.72	
63233546	8:51	08:57:07	1st Charge		5.73	
	8:59	09:03:18	Add Electrode		3.73	1475a...1472s (9/9/2023 09:13 SMITH, ANTHONY)
	9:15	09:17:33	2nd Charge		1.75	
	9:50	09:51:32	Lance Taphole		1.03	
	9:52	09:59:47	Tapping		7.58	
63233547	9:59	10:02:50	1st Charge		3.05	
	10:17	10:19:31	2nd Charge		1.82	
	10:54	11:03:31	Tapping		8.93	
63233548	11:03	11:06:30	1st Charge		2.98	
	11:21	11:23:09	2nd Charge		1.65	
	11:57	11:58:38	Lance Taphole		1.13	
	12:00	12:07:27	Tapping		7.00	
63233549	12:07	12:10:17	1st Charge		2.83	
	12:10	12:20:17	Gunned Furnace		10.00	
	12:20	12:30:17	Ran Slinger		10.00	
	12:45	12:47:28	2nd Charge		1.85	
	13:20	13:23:38	Push Door		3.05	
	13:26	13:34:48	Tapping		8.02	
63233550	13:34	13:39:30	1st Charge		4.70	
	13:55	13:57:07	2nd Charge		1.83	
	14:29	14:30:07	Take Temperature		0.15	
	14:31	14:39:48	Tapping		7.97	
63233551	14:39	14:42:35	1st Charge		2.78	
	14:56	15:00:06	2nd Charge		3.17	
	15:33	15:34:36	Take Temperature		0.63	
	15:36	15:36:44	Take Temperature		0.13	1 (9/9/2023 15:41 SMITH, ANTHONY)
	15:37	15:41:02	Tapping		3.37	
63233552	15:45	15:47:59	1st Charge		2.93	
	16:03	16:05:12	2nd Charge		1.78	
	16:40	16:48:48	Tapping		7.83	
63233553	16:48	16:54:51	1st Charge		6.05	
	17:09	17:14:54	2nd Charge		5.22	
	17:48	17:58:39	Tapping		10.05	
63233554	17:58	18:01:48	1st Charge		3.15	
	18:17	18:20:08	2nd Charge		2.33	
	18:51	19:03:06	Carbon Boil		11.47	
63233555	19:03	19:06:14	1st Charge		3.13	
	19:22	19:24:12	2nd Charge		1.57	
	19:58	20:04:03	Lance Carbon		5.97	
	20:04	20:12:00	Lance Taphole		7.95	
63233556	20:12	20:15:02	1st Charge		3.03	
	20:31	20:32:43	2nd Charge		1.47	
	21:06	21:12:33	J hook		6.55	getting steel off of j hooks (9/9/2023 21:17 SMITH, ANTHONY)
	21:13	21:21:02	Tapping		7.63	
63233557	21:21	21:24:02	1st Charge		3.00	
	21:24	21:26:10	Electrode Slip		2.13	
	21:28	21:32:07	Add Electrode		3.90	s1471 (9/9/2023 21:32 SMITH, ANTHONY)
	21:45	21:46:57	2nd Charge		1.45	
	22:19	22:26:44	Tapping		6.80	
63233558	22:26	22:29:08	1st Charge		2.40	
	22:39	22:39:45	Electrodes Moving Slow		0.02	
	22:44	22:46:03	2nd Charge		1.55	
	23:12	23:18:57	Plate Change		6.27	
	23:24	23:29:41	J hook		5.00	getting steel off j hooks (9/9/2023 23:42 SMITH, ANTHONY)
	23:29	23:36:06	Breakdown		6.42	
	23:39	23:46:44	Tapping		6.95	
63233559	23:46	23:49:51	1st Charge		3.12	
	0:05	00:07:04	2nd Charge		1.55	
	0:39	00:43:10	Swap to backup ladle		3.50	
	0:45	00:52:51	Tapping		7.45	
63233560	0:52	00:55:56	1st Charge		3.08	
	1:10	01:11:53	2nd Charge		1.45	
	1:41	01:50:06	Redump Ladle		8.58	
	1:54	01:55:21	Push Door		0.97	door stuck (9/10/2023 02:06 SMITH, ANTHONY)
	1:56	02:00:55	Push Door		4.00	door stuck (9/10/2023 02:19 SMITH, ANTHONY)
	2:00	02:04:55	Lance Taphole		4.00	
	2:04	02:12:13	Tapping		7.30	
63233561	2:12	02:15:32	1st Charge		3.32	
	2:31	02:32:34	2nd Charge		1.39	
	3:05	03:06:38			1.07	
	3:08	03:15:01	Tapping		6.52	
63233562	3:15	03:18:01	1st Charge		3.00	
	3:18	03:31:23	Ran Slinger		13.37	
	3:47	03:48:46	2nd Charge		1.60	
	3:56	04:00:35	Pourback	Low Temperature	3.88	heat got to cold on the caster poured 8 tons back in furnace (9/10/2023 04:15 SMITH, ANTHONY)
	4:03	04:03:11			0.00	
	4:28	04:34:53	Tapping		6.62	
63233563	4:34	04:37:40	1st Charge		2.78	
	4:52	04:54:08	2nd Charge		1.60	
	5:20	05:24:57	Swap to backup ladle		4.83	
	5:28	05:29:23	Carbon Boil		0.80	
	5:34	05:44:56	Tapping		10.03	
63233564	5:44	05:47:56	1st Charge		3.00	
	5:47	05:50:22	Electrode Slip		2.43	
	5:54	06:04:55	Add Electrode		10.05	s1481 added hot (9/10/2023 06:06 SMITH, ANTHONY)
	6:15	06:17:27	2nd Charge		1.50	
	6:49	06:56:33	Tapping		6.68	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/10/2023

heat	start_time	end_time	obser	reason	duration	note
63233565	6:56	06:59:34	1st Charge		3.02	
	7:15	07:16:58	2nd Charge		1.68	
	7:50	07:56:53	Tapping		6.52	
63233566	7:56	08:00:52	1st Charge		3.98	
	8:04	08:08:02	Add Electrode		3.28	1482s...1471a (9/10/2023 08:06 SMITH, ANTHONY)
	8:20	08:22:05	2nd Charge		1.57	
	8:45	08:52:20	Plate Change		6.42	
63233567	9:02	09:08:59	Tapping		6.07	
	9:08	09:11:52	1st Charge		2.88	
	9:26	09:26:24			0.02	
	9:27	09:29:23	2nd Charge		1.70	
	9:58	09:59:49	Carbon Boil		0.85	
63233568	10:04	10:15:39	Tapping		11.10	
	10:15	10:19:19	1st Charge		3.67	
	10:35	10:37:07	2nd Charge		1.70	
	11:00	11:07:20	Plate Change		6.35	
	11:14	11:15:09	Carbon Boil		1.08	
	11:20	11:27:56	Tapping		7.42	
63233569	11:27	11:32:42	1st Charge		4.77	
	11:47	11:49:03	2nd Charge		1.67	
	12:12	12:16:03	Other		3.15	ahead of caster (9/10/2023 12:13 SMITH, ANTHONY)
	12:24	12:27:19			2.80	
	12:31	12:40:12	Tapping		8.58	
63233570	12:40	12:48:35	1st Charge		8.38	
	13:04	13:06:35	2nd Charge		1.65	
	13:31	13:39:25	Other		8.38	caster got on 3 (9/10/2023 13:31 SMITH, ANTHONY)
	13:49	13:58:49	Tapping		9.15	
63233571	13:58	14:28:49	Tundish Change Only		30.00	drain fce ran the slinger and spot gun furnace (9/10/2023 14:33 SMITH, ANTHONY)
	14:28	15:29:30	Tundish Change Only		60.68	waiting on caster (9/10/2023 14:34 SMITH, ANTHONY)
	15:41	15:45:41	Other		4.20	had to slip trodes drained furance (9/10/2023 15:47 SMITH, ANTHONY)
	15:52	15:54:43			1.88	
	16:32	16:39:53	Tapping		7.58	
63233572	16:39	16:43:11	1st Charge		3.30	
	16:59	17:01:19	2nd Charge		1.68	
	17:37	17:43:33	Tapping		6.22	
63233573	17:43	17:46:25	1st Charge		2.87	
	18:02	18:04:16	2nd Charge		1.95	
	18:28	18:39:01	Other		10.75	caster behind temp high (9/10/2023 18:28 SMITH, ANTHONY)
	18:39	18:48:38	Plate Change		9.18	
	18:57	18:58:25			0.70	
	18:59	19:06:15	Tapping		6.32	
63233574	19:06	19:09:34	1st Charge		3.32	
	19:24	19:26:28	2nd Charge		1.50	
	20:01	20:09:20	Tapping		8.15	
63233575	20:09	20:12:03	1st Charge		2.72	
	20:27	20:29:28	2nd Charge		1.52	
	21:03	21:11:19	Tapping		7.40	
63233576	21:11	21:14:49	1st Charge		3.50	
	21:27	21:27:11	Electrodes Moving Slow		0.05	
	21:30	21:31:44	2nd Charge		1.50	
	21:31	21:32:38	Waiting For Crane	Training Employee	0.90	
63233577	22:05	22:14:29	Tapping		8.67	
	22:14	22:17:29	1st Charge		3.00	
	22:17	22:18:26	Electrode Slip		0.95	
	22:21	22:25:17	Add Electrode		3.92	s1470 (9/10/2023 22:23 SMITH, ANTHONY)
	22:37	22:39:28	2nd Charge		1.55	
	23:07	23:17:36			10.25	
	23:24	23:33:39	Tapping		9.60	
63233578	23:33	23:37:14	1st Charge		3.58	
	23:52	23:54:46	2nd Charge		2.08	
	0:28	00:34:58	Tapping		6.65	
63233579	0:34	00:38:57	1st Charge		3.98	
	0:53	00:56:04	2nd Charge		2.27	
	1:24	01:27:58	Cleaning Ladle Lip		3.23	
	1:33	01:37:39	Gun		4.00	
63233580	1:37	01:44:58	Tapping		7.32	
	1:44	01:47:58	1st Charge		3.00	
	1:47	01:59:17	Plugged		11.32	
	2:14	02:16:34	2nd Charge		2.15	
	2:48	02:49:55	Carbon Boil		1.23	
63233581	2:53	03:03:37	Tapping		10.57	
	3:03	03:06:45	1st Charge		3.13	
	3:23	03:25:52	2nd Charge		2.83	
	3:59	04:06:43	Tapping		7.25	
	4:06	04:10:46	1st Charge		4.05	
63233582	4:26	04:27:43	2nd Charge		1.52	
	5:01	05:03:03	Recarb		2.00	
	5:03	05:05:03	Lance Taphole		2.00	
	5:05	05:12:35	Tapping		7.53	
63233583	5:12	05:15:35	1st Charge		3.00	
	5:15	05:28:21	Ran Slinger		12.77	
	5:43	05:46:03	2nd Charge		2.37	
	6:15	06:24:59	Blank		9.63	strand 4 missed a cut (9/11/2023 06:27 SMITH, ANTHONY)
	6:31	06:32:20	Take Temperature		1.20	
	6:35	06:45:50	Tapping		10.83	
Days				250.00	70%	
Nights				250.00	70%	

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/11/2023

heat	start time	end time	obser	reason	duration	note
63233584	6:45	06:49:00	1st Charge		3.17	
	7:04	07:05:46	2nd Charge		1.00	
	7:05	07:14:29	Other		8.72	stir rod electrical issues not working need to add to the ladle in the pit (9/11/2023 07:10 Richard Phelps)
	7:14	08:25:14	1st Charge		70.75	Can't get the stir rod going to add to the ladle, caster slagged out turning caster around. (9/11/2023 07:17 Richard Phelps)
	8:57	08:59:38	Push Door		2.20	
	9:03	09:07:30	Lance Taphole		3.90	
	9:07	09:14:14	Tapping		6.73	
63233585	9:14	09:29:26	Gunned Furnace		15.20	Gun around door for pour back (9/11/2023 09:15 Richard Phelps)
						Ladle would not stir with stir hose. Stir rod would not go down. Electrical issue, kept popping fuses. (9/11/2023 09:45 Richard Phelps)
	9:29	09:34:09	Pourback	EAF Mechanical Failure	4.72	
	9:37	09:41:31	Lance Carbon		4.20	
	9:41	09:46:55	Lab-Sample		5.40	
	9:46	10:04:48	Plate Change		17.88	
	10:10	10:20:10	Lance Taphole		9.22	
63233586	10:20	10:23:29	1st Charge		3.32	
	10:39	10:42:57	2nd Charge		3.27	
	11:11	11:21:44	Blank	Superheat	10.08	3 strands 2850. (9/11/2023 11:23 Richard Phelps)
	11:28	11:28:47	Electrodes Moving Slow		0.03	
	11:28	11:30:05	Lance Taphole		1.22	
	11:30	11:37:03	Tapping		6.97	
63233587	11:37	11:40:45	1st Charge		3.70	
	11:40	11:41:11	Electrode Slip		0.43	
	11:55	11:57:17	2nd Charge		1.77	
	12:22	12:36:43	Blank	Superheat	14.17	
	12:44	12:45:38	Carbon Boil		0.88	
	12:49	12:50:20	Lance Taphole		0.73	
	12:50	12:57:16	Tapping		6.93	
63233588	12:57	13:00:45	1st Charge		3.48	
	13:17	13:18:49	2nd Charge		1.60	
	13:47	14:19:50	Electrode Break	Pin Break	32.32	On a flat bath. No cave ins or carbon boil occurred before or during break. 404 counts. (9/11/2023 14:13 Richard Phelps) Had to fish out tip and 2nd section of bottom of electrode. (9/11/2023 14:18 Richard Phelps)
	14:28	14:38:37	Tapping		7.93	
63233589	14:36	14:40:49	1st Charge		4.20	
	14:43	14:55:23	Add Electrode		12.33	1477 (9/11/2023 15:32 Richard Phelps)
	14:56	15:32:19	Electrode Break	Pin Break	36.07	Short stick 1478 (9/11/2023 15:11 Richard Phelps)
	15:45	15:47:28	2nd Charge		1.57	
	16:19	16:23:19	Door Sticking		4.03	
	16:24	16:26:47	Lance Taphole		2.40	
	16:26	16:31:40	Tapping		4.88	
63233590	16:31	16:35:12	1st Charge		3.53	
	16:50	16:52:57	2nd Charge		2.03	
	17:20	17:32:56	Blank	Make Sequence	12.03	Casters stayed on 2 strands for furnace to catch up. (9/11/2023 17:34 Richard Phelps) (9/11/2023 18:40 Richard Phelps)
	17:32	17:43:33	Swap to backup ladle		10.62	
	17:46	17:51:38	Clean Slag Door		4.80	Build up. (9/11/2023 17:47 Richard Phelps)
	17:56	17:56:18			0.02	
	17:56	17:56:28	Take Temperature		0.08	
	18:00	18:01:54	Take Temperature		1.17	
	18:04	18:13:01	Tapping		8.55	
63233591	18:13	18:16:44	1st Charge		3.72	
	18:32	18:34:04	2nd Charge		1.82	
	18:57	19:14:55	Stirring Heat		17.67	
	19:33	19:39:17	Tapping		5.67	
	19:39	19:44:48	1st Charge		5.52	
	20:00	20:02:33	2nd Charge		1.77	
	20:35	20:36:29	Carbon Boil		0.70	
	20:37	20:45:51	Tapping		8.15	
63233593	20:45	20:49:44	1st Charge		3.88	
	20:54	20:57:53	Add Electrode		3.28	1502 s...1469a (9/11/2023 20:56 Richard Phelps)
	21:09	21:13:04	2nd Charge		3.18	
	21:35	21:51:59	Other		16.00	to hot to crankup (9/11/2023 21:36 Richard Phelps) (9/12/2023 05:16 Richard Phelps)
	22:01	22:09:34	Tapping		8.48	
63233594	22:09	22:12:03	1st Charge		2.48	
	22:27	22:29:38	2nd Charge		1.73	
	22:52	22:59:23	Breakdown		6.48	#2 torch gas and oxygen lines burnt up (9/12/2023 00:31 Ben Gearin)
	23:06	23:09:37	Carbon Boil		0.63	
	23:12	23:19:01	Tapping		6.57	
63233595	23:19	23:22:01	1st Charge		3.00	
	23:22	23:43:49	Breakdown		21.80	was gonna run slinger but no water hose for it (9/11/2023 23:28 Richard Phelps) (9/12/2023 00:28 Richard Phelps)
	23:59	00:01:39	2nd Charge		1.73	
	0:26	00:31:02	Breakdown		4.35	
	0:39	00:40:07	Carbon Boil		0.75	
	0:42	00:42:31			0.15	
	0:43	00:52:34	Tapping		9.12	
63233596	0:52	00:56:04	1st Charge		3.50	
	1:11	01:14:42	2nd Charge		3.03	
	1:45	01:46:22	Carbon Boil		1.20	
	1:49	01:55:50	Tapping		6.60	
	1:55	02:00:09	1st Charge		4.32	
63233597	2:03	02:10:40	Add Electrode		7.08	a1502.. b1477.. s1501 (9/12/2023 02:07 Richard Phelps)
	2:23	02:26:30	2nd Charge		1.72	
	2:48	02:53:05	Breakdown		4.95	
	3:03	03:08:53	Tapping		5.78	
	3:08	03:11:23	1st Charge		2.50	
63233598	3:23	03:23:50			0.02	
	3:27	03:28:44	2nd Charge		1.72	
	3:52	04:19:48	Breakdown		26.97	
	4:30	04:37:35	Tapping		6.60	
	4:37	04:40:04	1st Charge		2.48	
63233599	4:55	04:57:39	2nd Charge		1.75	
	5:27	05:27:53	Carbon Boil		0.50	
	5:32	05:38:22	Tapping		5.75	
	5:38	05:42:22	1st Charge		4.00	
	5:57	05:59:14	2nd Charge		1.70	
	6:33	06:34:35	Carbon Boil		1.18	
	6:36	06:43:10	Tapping		6.33	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/12/2023

heat	start time	end time	obser	reason	duration	note
63233601	6:43	06:45:50	1st Charge		2.67	
	7:01	07:03:33	2nd Charge		1.85	
	7:36	07:39:11	Lance Taphole		2.22	
	7:39	07:45:11	Tapping		6.00	
63233602	7:45	07:47:11	Pack Tap Hole		2.00	
	7:47	08:00:24	Gunned Furnace		13.22	
	8:10	08:10:29	Electrodes Moving Slow		0.02	
	8:15	08:17:39	2nd Charge		1.67	
	8:50	08:53:43	Take Temperature		3.07	Could not get a reading on temp. Had to burn scrap behind breast. (9/12/2023 08:59 Richard Phelps)
	8:56	08:56:31	Take Temperature		0.42	
	8:57	09:03:17	Tapping		6.18	
63233603	9:03	09:07:04	1st Charge		3.78	
	9:23	09:25:21	2nd Charge		1.67	
	9:57	10:04:18	Lance Taphole		7.27	
63233604	10:04	10:07:58	1st Charge		3.67	
	10:24	10:25:56	2nd Charge		1.55	
	10:51	10:52:13	Carbon Boil		0.68	
	10:58	11:00:16	Lance Taphole		1.98	
	11:00	11:05:17	Tapping		5.02	
63233605	11:05	11:08:51	1st Charge		3.57	
	11:24	11:26:33	2nd Charge		1.72	
	11:56	11:58:36	Lance Taphole		2.05	
	11:59	12:00:01	Take Temperature		0.55	
	12:00	12:05:11	Tapping		4.37	
63233606	12:05	12:08:53	1st Charge		3.70	
	12:08	12:09:27	Electrode Slip		0.57	
	12:25	12:26:58	2nd Charge		1.67	
	12:56	12:59:28	Door Sticking		2.60	
	13:02	13:02:39	Take Temperature		0.48	
	13:03	13:10:15	Tapping		6.50	
63233607	13:10	13:13:57	1st Charge		3.70	
	13:13	13:32:47	Electrode Slip		18.63	
	14:02	14:02:53	Carbon Boil		0.62	
	14:06	14:06:44	Lance Taphole		0.67	
	14:06	14:12:48	Tapping		6.07	
63233608	14:12	14:17:13	1st Charge		4.42	
	14:33	14:35:14	2nd Charge		1.58	
	15:06	15:10:05	Take Temperature		3.15	
	15:10	15:17:13	Tapping		7.13	
63233609	15:17	16:43:37	Section Size Change		86.40	Gunned furnace and ran slinger. (9/12/2023 16:08 Richard Phelps)
	16:53	17:04:45	Add Electrode		10.95	Lost butt. (9/12/2023 16:57 Richard Phelps) 1500 (9/12/2023 17:06 Richard Phelps)
	17:13	17:14:36	2nd Charge		1.60	
	17:46	17:54:31	Crane Busy		7.63	Crane still busy with section change. (9/12/2023 17:49 Richard Phelps)
	17:58	18:02:32	Redump Ladle		3.67	
	18:08	18:11:34	Lance Taphole		3.10	
	18:11	18:17:08	Tapping		5.57	
63233610	18:17	18:25:06	Waiting For Crane	On Other Job	7.97	Ladle crane still on section change. Charge crane tapped heat and is moving to bucket. (9/12/2023 18:20 Richard Phelps)
	18:42	18:48:06	Breakdown		5.78	Will not inject. Loading in 2nd charge. (9/12/2023 18:44 Richard Phelps)
	19:19	19:23:13	Section Size Change		4.03	wait on caster (9/12/2023 19:19 Richard Phelps)
	19:26	19:33:26	Tapping		6.73	
63233611	19:33	19:36:53	1st Charge		3.45	
	19:53	19:54:45	2nd Charge		1.50	
	19:54	19:56:04	Mash With Bucket	Big Scrap on Top	1.32	
	20:29	20:30:46	Carbon Boil		1.30	
	20:30	20:37:56			7.17	Adjusting torches to the new billet size after size change (9/14/2023 08:38 Stefanon, Andre)
	20:43	20:49:56	Tapping		6.20	
63233612	20:49	20:52:56	1st Charge		3.00	
	20:52	20:58:48	Electrode Slip		5.87	slip all 3 trodes (9/12/2023 21:34 Ben Gearin)
	21:15	21:17:06	2nd Charge		1.57	
	21:48	21:50:39	Carbon Boil		1.75	
	21:50	21:53:37	Lab-Sample		2.90	whilton (9/12/2023 21:51 Richard Phelps)
	21:57	22:02:33	Tapping		4.97	
63233613	22:02	22:06:10	1st Charge		3.62	
	22:22	22:24:27	2nd Charge		1.65	
	22:55	22:59:45	Carbon Boil		4.53	
	23:04	23:04:27			0.05	
	23:04	23:10:47	Tapping		6.03	
63233614	23:10	23:15:10	1st Charge		4.38	
	23:20	23:27:01	Add Electrode		6.43	1501b...1500c...1499s (9/12/2023 23:23 Richard Phelps)
	23:37	23:39:31	2nd Charge		1.67	
	0:10	00:16:39	Carbon Boil		6.53	
	0:19	00:24:24	Tapping		5.00	
63233615	0:24	00:30:21	1st Charge		5.95	
	0:45	00:47:37	2nd Charge		1.65	
	1:19	01:25:31	Carbon Boil		6.02	
	1:28	01:34:12	Tapping		5.55	
63233616	1:34	01:38:05	1st Charge		3.88	
	1:54	01:55:57	2nd Charge		1.73	
	2:27	02:31:54	Carbon Boil		4.52	
	2:35	02:40:28	Tapping		5.00	
63233617	2:40	02:43:43	1st Charge		3.25	
	2:59	03:01:39	2nd Charge		1.68	
	3:32	03:47:15	Carbon Boil		14.43	
	3:50	03:55:58	Tapping		5.42	
63233618	3:55	03:59:05	1st Charge		3.12	
	4:14	04:16:11	2nd Charge		1.70	
	4:47	04:51:53	Carbon Boil		4.08	
	4:55	05:01:52	Tapping		6.05	
63233619	5:01	05:06:17	1st Charge		4.42	
	5:08	05:12:15	Add Electrode		3.45	1504s...1499a (9/13/2023 05:11 Richard Phelps)
	5:25	05:27:29	2nd Charge		1.63	
	5:57	06:00:53	Carbon Boil		3.40	
	6:04	06:04:43			0.43	
	6:05	06:10:37	Tapping		4.98	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/13/2023

heat	start time	end time	obser	reason	duration	note
63233620	6:10	06:13:23	1st Charge		2.77	
	6:29	06:31:40	2nd Charge		1.70	
	7:01	07:10:56	Carbon Boil		9.00	
	7:16	07:22:12	Tapping		6.07	
63233621	7:22	07:26:37	1st Charge		4.42	
	7:43	07:45:09	2nd Charge		1.53	
	8:19	08:19:36	Carbon Boil		0.58	
	8:22	08:26:34	Lab-Sample		3.95	
	8:26	08:28:19	Lance Taphole		1.75	
63233622	8:28	08:33:20	Tapping		5.02	
	8:33	08:37:28	1st Charge		4.13	
	8:54	08:56:25	2nd Charge		2.17	
	9:26	09:28:00	Carbon Boil		1.03	
	9:30	09:32:52	Lab-Sample		2.32	
63233623	9:35	09:40:01	Lance Taphole		4.10	
	9:40	09:45:53	Tapping		5.87	
	9:45	09:55:57	Plugged		10.07	
	9:55	09:58:11	Drop Start Bucket		2.23	
	10:14	10:17:16	2nd Charge		2.42	
63233624	10:53	10:56:25	Lab-Sample		2.77	
	10:56	11:01:25	Tapping		5.00	
	11:01	11:05:29	1st Charge		4.07	
	11:21	11:23:58	Waiting For Crane	Training Employee	2.17	
	11:56	11:58:34	Carbon Boil		2.23	
63233625	12:03	12:10:25	Lance Taphole		6.92	
	12:10	12:17:05	Tapping		6.67	
	12:17	12:21:26	1st Charge		4.35	Training employee in charge crane. (9/13/2023 12:22 Richard Phelps)
	12:38	12:40:33	2nd Charge		2.40	
	13:13	13:21:08	Blank	Billet Jammed	7.87	Strand 3 (9/13/2023 13:16 Richard Phelps) Waiting on ladle. (9/13/2023 13:17 Richard Phelps)
63233626	13:26	13:33:34	Tapping		6.60	
	13:33	13:38:22	1st Charge		4.80	Training employee in charge crane. (9/13/2023 13:40 Richard Phelps)
	13:38	13:38:58	Electrode Slip		0.60	
	13:38	13:39:34	Electrode Slip		0.60	
	13:39	13:40:07	Electrode Slip		0.55	
63233627	13:55	13:57:40	2nd Charge		2.17	Training employee (9/13/2023 13:56 Richard Phelps)
	14:32	14:36:03	Swap to backup ladle		3.90	
	14:38	14:41:52	Lab-Sample		3.27	
	14:43	14:49:59	Tapping		6.55	
	14:49	15:11:10	Gunned Furnace		21.18	Gun furnace and ran slinger. (9/13/2023 14:52 Richard Phelps)
63233628	15:11	15:16:03	Pack Tap Hole		4.88	Ran out of tap hole fill while packing tap hole. (9/13/2023 15:14 Richard Phelps)
	15:16	15:18:33	Pack Tap Hole		2.50	
	15:34	15:37:03	2nd Charge		2.17	
	15:46	15:46:12	Electrodes Moving Slow		0.03	
	16:00	16:03:55	Fill Taphole Hopper		3.75	
63233629	16:18	16:27:06	Lab-Sample		8.55	
	16:30	16:35:46	Tapping		5.42	
	16:35	16:39:40	Clean Slag Door		3.90	
	16:39	16:41:31	Drop Start Bucket		1.85	
	16:57	16:59:24	2nd Charge		2.28	
63233630	17:24	17:43:56	Blank	Operator Error	19.20	Left water in manual when started up strand (9/13/2023 17:43 Richard Phelps)
	17:43	17:46:52	Swap to backup ladle		2.93	
	17:54	18:10:26	Swap to backup ladle		15.55	Stuck on ladle. (9/13/2023 18:13 Richard Phelps)
	18:11	18:16:16	J hook		5.27	Stuck on ladle. (9/13/2023 18:13 Richard Phelps)
	18:20	18:24:21	Lab-Sample		3.48	
63233631	18:25	18:27:30	Carbon Boil		1.92	
	18:29	18:33:36	Lance Taphole		3.77	
	18:33	18:38:30	Tapping		4.90	
	18:38	18:50:36	Plugged		12.10	
	19:06	19:08:32	2nd Charge		1.75	
63233632	19:43	19:44:42	Carbon Boil		1.55	
	19:47	19:53:00	Tapping		5.52	
	19:53	19:58:15	1st Charge		5.25	
	20:00	20:07:02	Add Electrode		6.40	1503s...1499b....1504a (9/13/2023 20:03 Richard Phelps)
	20:21	20:23:00	2nd Charge		1.70	
63233633	20:57	21:05:01	Lance Carbon		7.90	
	21:05	21:07:59	1st Charge		2.97	
	21:24	21:25:58	2nd Charge		1.70	
	21:58	22:17:27	Other		18.77	ahead of caster (9/13/2023 22:00 Richard Phelps)
	22:17	22:17:33			0.00	
63233634	22:22	22:30:43	Tapping		7.80	
	22:30	22:33:46	1st Charge		3.05	
	22:49	22:51:24	2nd Charge		1.68	
	23:26	23:29:49	Cleaning Ladle Lip		3.53	
	23:32	23:32:16			0.12	
63233635	23:32	23:40:55	Tapping		8.10	
	23:40	23:44:49	1st Charge		3.90	
	23:47	23:48:27	Add Electrode		1.10	1503c..1508s (9/13/2023 23:49 Richard Phelps)
	23:48	23:51:01	Add Electrode		2.53	1503c..1508s (9/13/2023 23:48 Richard Phelps)
	0:04	00:05:57	2nd Charge		1.70	
63233636	0:11	00:11:24			0.22	
	0:40	00:49:55	Tapping		8.93	
	0:49	00:53:36	1st Charge		3.68	
	1:09	01:11:02	2nd Charge		1.78	
	1:41	01:56:50	Carbon Boil		15.17	
63233637	2:03	02:11:46	Tapping		7.97	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/14/2023

heat	start_time	end_time	obser	reason	duration	note
63233635	2:11	01:18:55	Downday		1387.15	
	1:37	01:38:51	2nd Charge		1.50	
	1:38	01:43:47	Cold Furnace Start Up		4.93	
	2:00	02:05:52	Cold Furnace Start Up		5.18	
	2:20	02:25:44	Cold Furnace Start Up		5.10	
	2:28	02:33:34	Cold Furnace Start Up		4.70	
	2:35	02:43:35	Cold Furnace Start Up		8.12	
	2:49	02:50:18	Take Temperature		1.00	
	2:50	02:58:18	Tapping		8.00	
63233636	2:58	03:01:08	1st Charge		2.83	
	3:17	03:19:07	2nd Charge		1.62	
	3:48	04:04:09	Blank	Outrunning Ladle	15.48	
	4:10	04:12:13	Carbon Boil		2.12	
	4:18	04:23:20	Lance Taphole		5.10	
	4:23	04:31:25	Tapping		8.08	
63233637	4:31	04:33:51	1st Charge		2.43	
	4:50	04:51:48	2nd Charge		1.73	
	5:17	05:37:56			20.03	60 ton quit, hadto pourback 15 tons from previous heat. (9/15/2023 06:17 Tim Maclin)
	5:46	06:01:29	Crane Busy		15.48	Normal duties. (9/15/2023 06:22 Tim Maclin)
	6:11	06:14:51	Lance Taphole		3.50	
	6:14	06:21:52	Tapping		7.02	

Days	250.00	70%
Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/15/2023

heat	start time	end time	obser	reason	duration	note
63233638	6:21	06:24:52	1st Charge		3.00	
	6:24	06:27:33	Electrode Slip		2.68	
	6:28	06:32:45	Add Electrode		4.03	added 1507 to tank (9/15/2023 06:38 Tim Maclin)
	6:46	06:47:52	2nd Charge		1.48	
	7:23	07:31:34	Lab-Sample		8.40	
63233639	7:34	07:41:44	Tapping		7.60	
	7:41	07:46:42	1st Charge		4.97	
	8:01	08:03:28	2nd Charge		1.52	
	8:28	08:50:02	Blank	Operator Error	21.83	started strand 4 - with the wrong size nozzle (9/15/2023 09:30 Tim Maclin)
	9:04	09:06:20	Lance Taphole		1.75	
63233640	9:06	09:13:20	Tapping		7.00	
	9:13	09:16:41	1st Charge		3.35	
	9:31	09:33:29	2nd Charge		1.52	
	10:00	10:16:03	Blank	Operator Error	15.42	had the wrong size nozzle in strand 4 (9/15/2023 10:45 Tim Maclin)
	10:29	10:32:18	Lance Taphole		3.00	
63233641	10:32	10:39:42	Tapping		7.40	
	10:39	10:43:04	1st Charge		3.37	
	10:59	11:00:36	2nd Charge		1.50	
	11:00	11:14:50	Break Out	Chemistry	14.23	strand 3 (9/15/2023 12:37 Tim Maclin)
	11:48	11:54:23	Push Door		6.30	door stuck (9/15/2023 12:27 Tim Maclin)
63233642	12:01	12:11:14	Tapping		9.80	
	12:11	12:14:14	1st Charge		3.00	
	12:14	12:19:26	Lab-Sample		5.20	
	12:35	12:36:31	2nd Charge		1.50	
	12:36	13:01:04	Breakdown		24.55	on 3 strands water hose busted on strand 3 (9/15/2023 12:39 Tim Maclin) water line to strand 3 pusher (9/15/2023 12:40 Tim Maclin)
63233643	13:39	13:39:55	Take Temperature		0.45	
	13:40	13:51:20	Tapping		10.50	
	13:51	13:54:07	1st Charge		2.78	
	14:09	14:10:40	2nd Charge		1.48	
	14:35	14:45:19			9.75	caster behind on 4 strand (9/15/2023 15:17 SMITH, ANTHONY)
63233644	14:48	14:54:40	Plate Change		6.60	
	15:00	15:01:33	Carbon Boil		0.65	
	15:03	15:06:43	Push Door		3.13	
	15:12	15:23:11	Tapping		10.93	
	15:23	15:27:48	1st Charge		4.62	
63233645	15:43	15:44:52	2nd Charge		1.52	
	16:09	16:29:28	Plate Change		20.38	
	16:43	16:43:49	Take Temperature		0.47	
	16:44	16:55:05	Tapping		10.10	
	16:55	16:59:51	1st Charge		4.77	
63233646	17:15	17:16:39	2nd Charge		1.48	
	17:41	17:48:55	Blank		7.08	
	18:01	18:05:02	Lab-Sample		3.13	
	18:06	18:14:38	Furnace Addition Short		8.40	cast got behind had to blank down to 3 to give ladle time to add carbon (9/15/2023 18:22 SMITH, ANTHONY)
	18:14	18:18:15	1st Charge		3.62	
63233647	18:34	18:35:49	2nd Charge		1.48	
	18:12	19:13:50	Carbon Boil		1.58	
	19:17	19:19:24	Lance Taphole		1.42	
	19:19	19:26:24	Tapping		7.00	
	19:26	19:29:31	1st Charge		3.12	
63233648	19:45	19:46:44	2nd Charge		1.48	
	20:17	20:27:46	Blank	Duluth Grade	10.17	4 strands (9/15/2023 20:44 Tim Maclin)
	20:35	20:36:34	Lance Taphole		1.50	
	20:36	20:43:41	Tapping		7.12	
	20:43	20:46:41	1st Charge		3.00	
63233649	20:46	20:48:44	Electrode Slip		2.05	Slipped all. (9/15/2023 21:27 Tim Maclin)
	20:50	20:59:35	Add Electrode		9.55	added hot with 1591 (9/15/2023 21:27 Tim Maclin)
	21:13	21:15:17	2nd Charge		1.58	
	21:46	21:53:07	Other		7.07	Running duluth (9/16/2023 05:13 Tim Maclin)
	21:59	22:02:43	Lance Taphole		3.00	
63233650	22:02	22:08:57	Tapping		6.23	
	22:08	22:11:58	1st Charge		3.02	
	22:27	22:28:52	2nd Charge		1.65	
	22:59	23:16:02	Other		16.17	Running duluth (9/16/2023 05:12 Tim Maclin)
	23:16	23:16:10	Electrodes Moving Slow		0.02	
63233651	23:24	23:33:52	Tapping		9.47	
	23:33	23:38:06	1st Charge		4.23	
	23:41	23:45:07	Add Electrode		3.57	1592 (9/16/2023 00:59 Tim Maclin)
	23:48	00:09:03	Electrode Break		20.07	
	0:17	00:18:47	2nd Charge		1.38	
63233652	0:32	00:35:21	Pourback		2.53	13 tons, ladle shut off early. (9/16/2023 01:00 Tim Maclin)
	0:55	00:58:41	Lance Taphole		2.75	
	0:58	01:04:44	Tapping		6.05	
	1:04	01:07:49	1st Charge		3.08	
	1:25	01:26:28	2nd Charge		1.45	
63233653	1:54	02:05:13	Blank	Duluth Grade	11.02	Running duluth (9/16/2023 05:12 Tim Maclin)
	2:05	02:05:23	Electrodes Moving Slow		0.03	
	2:15	02:18:08	Lance Carbon		3.00	
	2:18	02:21:08	Lance Taphole		3.00	
	2:21	02:28:13	Tapping		7.08	
63233654	2:28	02:31:52	1st Charge		3.65	
	2:47	02:48:30	2nd Charge		1.50	
	3:17	03:37:45			19.78	Running duluth. (9/16/2023 05:11 Tim Maclin)
	3:48	03:52:15	Lance Taphole		4.20	
	3:52	03:58:35	Tapping		6.33	
63233655	3:58	04:02:24	1st Charge		3.82	
	4:17	04:18:49	2nd Charge		1.57	
	4:49	04:59:29	Other		9.98	Running duluth. (9/16/2023 05:10 Tim Maclin)
	5:06	05:07:06	Carbon Boil		0.68	
	5:07	05:10:20	Lance Taphole		2.42	
63233656	5:10	05:17:20	Tapping		7.00	
	5:17	05:20:20	1st Charge		3.00	
	5:20	05:21:41	Electrode Slip		1.35	
	5:24	05:31:43			7.28	
	5:44	05:45:54	2nd Charge		1.50	
63233657	6:15	06:29:34	Plate Change		14.30	
	6:38	06:39:01	Carbon Boil		0.90	
	6:39	06:49:31	Tapping		10.12	
					250.00	70%
					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/16/2023

heat	start time	end time	obser	reason	duration	note
63233655	6:49	06:55:57	1st Charge		6.43	
	7:11	07:12:55	2nd Charge		1.47	
	7:41	07:47:31			5.67	caster behind on 4 strands (9/16/2023 09:44 SMITH, ANTHONY)
	7:54	07:56:54	Lab-Sample		2.15	
63233656	7:59	08:10:03	Tapping		10.62	
	8:10	08:12:53	1st Charge		2.83	
	8:28	08:30:05	2nd Charge		1.50	
	8:57	09:08:23			10.97	4 strands caster running slow (9/16/2023 08:59 SMITH, ANTHONY)
63233657	9:17	09:18:48	Carbon Boil		0.97	
	9:20	09:21:31	Lab-Sample		0.98	
	9:23	09:27:02	Lab-Sample		3.50	
	9:27	09:34:10	Tapping		7.13	
63233658	9:34	09:37:31	1st Charge		3.35	
	9:52	09:54:26	2nd Charge		1.53	
	10:21	10:23:39	Other		2.47	strand 3 messed a cut (9/16/2023 14:41 SMITH, ANTHONY)
	10:23	10:23:45			0.00	
63233659	10:30	10:32:09	Carbon Boil		1.27	
	10:33	10:36:03	Lance Taphole		3.00	
	10:36	10:43:16	Tapping		7.22	
	10:43	10:46:16	1st Charge		3.00	
63233660	10:46	10:47:10	Electrode Slip		0.90	
	10:49	10:53:26	Add Electrode		3.83	s1465 (9/16/2023 15:22 SMITH, ANTHONY) s1563 (9/16/2023 15:23 SMITH, ANTHONY)
	11:06	11:08:23	2nd Charge		1.47	
	11:32	13:39:21	Pourback	Low Temperature	127.02	
63233661	13:49	13:51:16	Push Door		1.58	
	13:58	14:03:57	Lance Taphole		5.00	
	14:03	14:11:21	Tapping		7.40	
	14:11	14:14:21	1st Charge		3.00	
63233662	14:14	14:49:59	Pourback	Low Temperature	35.63	
	14:54	14:56:03	Push Door		1.35	
	14:57	15:02:20	Lance Carbon		4.40	
	15:04	15:08:57	Lab-Sample		4.35	
63233663	15:15	15:23:52	Tapping		8.07	
	15:23	15:27:01	1st Charge		3.15	
	15:41	15:41:18	Electrodes Moving Slow		0.02	
	15:42	15:43:50	2nd Charge		1.43	
63233664	16:10	16:20:02	Blank		9.85	level came up on strand 3 and blanked off (9/16/2023 16:13 SMITH, ANTHONY)
	16:27	16:29:21	Push Door		2.00	
	16:30	16:31:38	Carbon Boil		1.17	
	16:34	16:34:48	Take Temperature		0.72	
63233665	16:34	16:36:39	Lance Taphole		1.77	
	16:36	16:43:41	Tapping		7.03	
	16:43	16:47:04	1st Charge		3.38	
	17:02	17:04:03	2nd Charge		1.47	
63233666	17:29	17:36:37	Blank		7.40	strand 4 pushed to early (9/16/2023 17:42 SMITH, ANTHONY)
	17:38	17:45:03	Plate Change		6.10	
	17:50	17:58:50	Redump Ladle		8.13	3 times (9/16/2023 17:54 SMITH, ANTHONY)
	18:03	18:11:02	Tapping		7.08	
63233667	18:11	18:14:02	1st Charge		3.00	
	18:14	18:14:41	Electrode Slip		0.65	
	18:29	18:31:25	2nd Charge		1.47	
	19:04	19:12:50	Lab-Sample		8.10	
63233668	19:12	19:16:20	Lance Taphole		3.50	
	19:16	19:23:17	Tapping		6.95	
	19:23	19:26:17	1st Charge		3.00	
	19:26	19:27:17	Plugged		1.00	#2 (9/16/2023 19:40 Tim MacIn)
63233669	19:27	19:29:47	Push Door		2.50	
	19:44	19:46:33	2nd Charge		1.62	
	19:56	19:56:52			0.02	
	20:19	20:20:28			1.20	
63233670	20:24	20:25:18	Lance Taphole		1.00	
	20:25	20:32:16	Tapping		6.97	
	20:32	20:36:00	1st Charge		3.73	
	20:51	20:52:49	2nd Charge		1.48	
63233671	21:28	21:30:41	Other		2.00	normal duties (9/16/2023 21:44 Tim MacIn)
	21:30	21:31:47	Lance Taphole		1.10	
	21:31	21:39:21	Tapping		7.57	
	21:39	21:45:47	1st Charge		6.43	
63233672	22:00	22:00:23			0.05	
	22:00	22:02:32	2nd Charge		1.60	
	22:38	22:44:06	Tapping		6.05	
	22:44	22:48:41	1st Charge		4.58	
63233673	23:03	23:04:55	2nd Charge		1.53	
	23:35	23:41:48			6.65	
	23:48	23:52:48			4.55	
	23:53	23:53:04			0.03	
63233674	23:56	00:03:17	Tapping		7.28	
	0:03	01:20:54	Breakdown		77.62	Replaced 4 hoses under the furnace. (9/18/2023 08:12 Mattiello, Jakson)
	1:35	01:37:47	2nd Charge		2.00	
	2:14	02:19:16	Redump Ladle		4.42	
63233675	2:21	02:22:53	Lance Taphole		1.50	
	2:22	02:30:19	Tapping		7.43	
	2:30	02:36:01	1st Charge		5.70	
	2:50	02:52:37	2nd Charge		1.80	
63233676	3:16	03:33:30	Blank		17.12	Could not get ladle open. (9/17/2023 03:56 Tim MacIn)
	3:49	03:56:12	Tapping		7.10	
	3:56	03:59:12	1st Charge		3.00	
	3:59	04:02:07	Electrode Slip		2.92	Slipped all trodes. (9/17/2023 04:05 Tim MacIn)
63233677	4:03	04:08:43	Add Electrode		4.77	1564 (9/17/2023 04:05 Tim MacIn)
	4:22	04:23:41	2nd Charge		1.67	
	4:46	05:05:35	Blank	Strand Started Late	18.50	
	5:13	05:23:00	Tapping		9.08	
63233678	5:23	05:26:00	1st Charge		3.00	
	5:26	05:27:20	Electrode Slip		1.33	
	5:28	05:38:23			9.77	added hot 1557 (9/17/2023 05:32 Tim MacIn)
	5:51	05:53:28	2nd Charge		1.62	
63233679	6:25	06:31:41	Tapping		6.65	
		Days	250.00	70%		
		Nights	250.00	70%		

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/17/2023

heat	start time	end time	obser	reason	duration	note
63233671	6:31	06:34:41	1st Charge		3.00	
	6:34	06:52:27	Ran Slinger		17.77	
	7:06	07:08:14	2nd Charge		1.47	
	7:40	07:42:46	Other		2.70	changing mech hose (9/17/2023 06:15 Tim Maclin)
	7:47	07:55:14	Tapping		7.72	
63233672	7:55	07:57:59	1st Charge		2.75	
	8:12	08:13:42	2nd Charge		1.38	
	8:47	08:55:55	Tapping		8.20	
63233673	8:55	08:58:41	1st Charge		2.77	
	9:13	09:15:15	2nd Charge		1.50	
	9:15	09:16:15	Mash With Bucket	Big Scrap on Top	1.00	
	9:16	09:52:00	Other		35.75	we were running the delay never reset (9/17/2023 10:27 Tim Maclin)
	9:52	09:58:23	Tapping		6.27	
63233674	9:58	10:01:23	1st Charge		3.00	
	10:01	11:32:44	Section Size Change		91.35	
	11:48	11:50:35	2nd Charge		1.65	
	12:14	12:34:37	Section Size Change		20.28	
	12:44	12:45:40	Push Door		0.90	
	12:51	12:55:23	Lance Taphole		3.68	
	12:56	13:05:17	Tapping		8.78	
63233675	13:05	13:08:17	1st Charge		3.00	
	13:08	13:15:15	Other		6.97	water in the furnace drill (9/17/2023 13:42 Tim Maclin)
	13:30	13:32:28	2nd Charge		1.52	
	14:04	14:05:16	Carbon Boil		0.65	
	14:10	14:17:41	Tapping		7.50	
63233676	14:17	14:20:33	1st Charge		2.87	
	14:36	14:37:37	2nd Charge		1.50	
	14:37	14:42:32	Caster Close to Slag Out		5.25	
	15:18	15:24:58	Tapping		6.85	
63233677	15:24	15:27:33	1st Charge		2.58	
	15:41	15:43:27	2nd Charge		1.53	
	16:17	16:25:53	Tapping		8.13	
63233678	16:25	16:28:53	1st Charge		3.00	
	16:28	16:30:06	Electrode Slip		1.22	
	16:32	16:37:11	Add Electrode		4.38	s1558 (9/17/2023 16:38 Tim Maclin)
	16:50	16:51:51	2nd Charge		1.85	
	17:08	17:11:45	Mag Bezel Ring	Big Scrap on Top	3.65	
	17:28	17:28:42	Carbon Boil		0.63	
	17:32	17:33:19	Take Temperature		0.48	
	17:33	17:40:01	Tapping		6.13	
63233679	17:40	17:43:01	1st Charge		3.00	
	17:43	17:44:10	Electrode Slip		1.15	
	17:58	17:59:46	2nd Charge		1.62	
	18:31	18:32:27	Take Temperature		0.65	
	18:33	18:34:22	Carbon Boil		0.85	
	18:36	18:44:40	Tapping		8.07	
63233680	18:44	18:48:26	1st Charge		3.77	
	19:03	19:05:04	2nd Charge		1.63	
	19:38	19:39:30	Carbon Boil		0.87	
	19:41	19:43:58	Lance Taphole		2.00	
	19:43	19:50:10	Tapping		6.20	
63233681	19:50	19:54:03	1st Charge		3.88	
	20:08	20:10:11	2nd Charge		1.77	
	20:40	20:41:29	Carbon Boil		1.02	
	20:45	20:46:57	Lance Taphole		1.10	
	20:46	20:52:37	Tapping		5.67	
63233682	20:52	20:55:15	1st Charge		2.63	
	21:09	21:11:21	2nd Charge		1.80	
	21:44	21:45:29	Carbon Boil		0.87	
	21:47	21:49:00	Take Temperature		1.50	
	21:49	21:51:30	Lance Carbon		2.50	
	21:51	21:57:32	Tapping		6.03	
63233683	21:57	22:00:39	1st Charge		3.12	
	22:15	22:17:24	2nd Charge		1.65	
	22:49	22:51:30	Carbon Boil		2.43	
	22:54	22:56:03	Lance Carbon		2.00	
	22:56	23:01:54	Tapping		5.85	
63233684	23:01	23:05:29	1st Charge		3.58	
	23:18	23:18:59	Electrodes Moving Slow		0.03	
	23:20	23:21:49	2nd Charge		1.47	
	23:54	23:57:01	Plate Change		2.50	
	23:57	00:01:55	Tapping		4.90	
63233685	0:01	00:05:30	1st Charge		3.58	
	0:19	00:21:57	2nd Charge		2.05	
	0:54	00:55:11	Plate Change		0.65	
	0:56	00:58:42	Lance Taphole		2.00	
	0:58	01:04:37	Tapping		5.92	
63233686	1:04	01:08:35	1st Charge		3.97	
	1:23	01:24:34	2nd Charge		1.53	
	1:57	02:03:37	Tapping		6.18	
63233687	2:03	02:07:24	1st Charge		3.78	
	2:21	02:23:08	2nd Charge		1.55	
	2:58	03:05:22	Tapping		6.50	
63233688	3:05	03:09:57	1st Charge		4.58	
	3:24	03:26:08	2nd Charge		1.53	
	4:00	04:02:38	Tapping		2.00	
	4:02	04:07:48	Tapping		5.17	
63233689	4:07	04:10:48	1st Charge		3.00	
	4:10	04:11:56	Electrode Slip		1.13	
	4:15	04:19:42	Add Electrode		4.62	1553 to tank (9/18/2023 04:20 Tim Maclin)
	4:31	04:33:00	2nd Charge		1.52	
	5:01	05:02:14	Carbon Boil		0.77	
	5:06	05:08:24	Lance Carbon		1.50	
	5:08	05:09:36	Lance Taphole		1.20	
	5:09	05:16:53	Tapping		7.28	
63233690	5:16	05:20:21	1st Charge		3.47	
	5:36	05:37:48	2nd Charge		1.60	
	6:09	06:09:35	Carbon Boil		0.50	
	6:11	06:12:18	Lance Taphole		1.00	
	6:12	06:17:53	Tapping		5.58	
					Days	250.00
					Nights	250.00
						70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/18/2023

heat	start time	end time	obser	reason	duration	note
63233691	6:17	06:20:53	1st Charge		3.00	
	6:20	06:29:50	Gunned Furnace		8.95	
	6:44	06:48:07	2nd Charge		1.55	
	7:21	07:27:45	Tapping		5.98	
63233692	7:27	07:30:40	1st Charge		2.92	
	7:48	07:50:19	2nd Charge		1.87	
	8:13	08:19:01	Carbon Boll		5.87	
	8:23	08:24:11			0.85	
63233693	8:30	08:36:56	Tapping		6.77	
	8:36	08:39:56	1st Charge		3.00	
	8:39	08:42:47	Breakdown		2.85	finding leak under fce (9/18/2023 09:25 Ben Gearin)
	8:57	08:59:26	2nd Charge		1.72	
63233694	9:33	09:41:45	Tapping		7.98	
	9:41	09:43:15	1st Charge		1.50	
	9:43	10:01:48	Breakdown		18.55	fast back hose (9/18/2023 09:53 CLAYBROOKS, KENDRICK)
	10:03	10:10:03	Add Electrode		6.30	1553a...1558b...1554s (9/18/2023 10:08 CLAYBROOKS, KENDRICK)
63233695	10:23	10:25:14	2nd Charge		1.92	
	10:57	10:57:49	Carbon Boll		0.53	
	10:57	10:57:55			0.02	
	11:00	11:08:57	Tapping		8.02	
63233696	11:08	11:11:57	1st Charge		3.00	
	11:27	11:29:35	2nd Charge		1.63	
	11:54	11:56:44	Other		2.52	caster behind due to hydraulic leak (9/18/2023 11:55 CLAYBROOKS, KENDRICK)
	12:01	12:02:15	Carbon Boll		0.88	
63233697	12:06	12:12:54	Tapping		6.83	
	12:12	12:16:20	1st Charge		3.43	
	12:31	12:33:22	2nd Charge		1.63	
	12:57	13:07:09	Cleaning Ladle Lip		9.27	
63233698	13:15	13:21:39	Tapping		6.53	
	13:21	13:25:23	1st Charge		3.73	
	13:40	13:42:25	2nd Charge		1.92	
	14:15	14:21:52	Tapping		6.82	
63233699	14:21	14:25:59	1st Charge		4.12	
	14:29	14:32:23	Add Electrode		3.30	1554c...1555s (9/18/2023 14:30 CLAYBROOKS, KENDRICK)
	14:44	14:46:05	2nd Charge		1.62	
	15:19	15:24:59	Tapping		5.95	
63233700	15:24	15:28:06	1st Charge		3.12	
	15:43	15:44:51	2nd Charge		1.63	
	16:18	16:25:23	Tapping		6.93	
	16:25	16:28:23	1st Charge		3.00	
63233701	16:28	16:38:26	Ran Slinger		10.05	
	16:54	16:55:57	2nd Charge		1.60	
	17:29	17:36:09	Tapping		6.77	
	17:36	17:39:00	1st Charge		2.85	
63233702	17:55	17:58:37	2nd Charge		3.47	
	18:30	18:39:10	Tapping		8.52	
	18:39	18:42:47	1st Charge		3.62	
	18:57	18:59:06	2nd Charge		1.47	
63233703	19:33	19:39:22	Tapping		6.37	
	19:39	19:42:26	1st Charge		3.07	
	19:52	19:52:02			0.02	
	19:57	19:58:36	2nd Charge		1.52	
63233704	20:31	20:31:45			0.48	
	20:32	20:40:41	Tapping		7.75	
	20:40	20:43:50	1st Charge		3.15	
	20:58	20:59:41	2nd Charge		1.48	
63233705	21:33	21:43:00	Tapping		9.10	
	21:43	21:46:00	1st Charge		3.00	
	21:46	21:47:28	Electrode Slip		1.47	all 3 (9/18/2023 22:12 SMITH, ANTHONY)
	22:02	22:04:13	2nd Charge		1.50	
63233706	22:04	22:10:05	Other		5.87	fire under east side of furnace looking for leaks (9/18/2023 22:13 SMITH, ANTHONY)
	22:44	22:51:28	Tapping		7.22	
	22:51	22:55:01	1st Charge		3.55	
	23:09	23:11:25	2nd Charge		1.48	
63233707	23:44	23:51:50	Tapping		6.93	
	23:51	23:54:35	1st Charge		2.75	
	0:09	00:11:09	2nd Charge		1.47	
	0:38	00:44:28			5.58	
63233708	0:50	00:50:59			0.38	
	0:51	00:58:40	Tapping		6.73	
	0:58	01:01:36	1st Charge		2.93	
	1:16	01:18:06	2nd Charge		1.53	
63233709	1:28	01:28:24	Electrodes Moving Slow		0.02	
	1:44	01:46:31	Plate Change		1.77	
	1:46	01:46:43	Electrodes Moving Slow		0.10	
	1:53	01:54:07	Take Temperature		0.45	
63233710	1:54	01:54:14	Take Temperature		0.03	
	1:55	02:03:25	Tapping		7.97	
	2:03	02:08:34	1st Charge		5.15	
	2:22	02:24:26	2nd Charge		1.53	
63233711	2:50	02:55:41	Cleaning Ladle Lip		4.72	
	2:55	02:59:12	Swap to backup ladle		3.52	
	3:10	03:19:07	Tapping		8.65	
	3:19	03:22:23	1st Charge		3.27	
63233712	3:37	03:41:17	2nd Charge		3.32	
	4:08	04:14:00	Cleaning Ladle Lip		5.27	
	4:14	04:14:12			0.08	
	4:20	04:21:18			0.65	
63233713	4:22	04:27:51	Tapping		5.50	
	4:27	04:30:51	1st Charge		3.00	
	4:30	04:43:34	Ran Slinger		12.72	
	4:59	05:00:50	2nd Charge		1.50	
63233714	5:00	05:02:18	Mash With Bucket	Big Scrap on Top	1.47	
	5:36	05:45:13	Tapping		8.88	
	5:45	05:49:18	1st Charge		4.08	
	5:50	06:00:22	Add Electrode		9.73	
63233715	6:14	06:16:05	2nd Charge		1.52	
	6:48	06:56:13	Tapping		7.33	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/19/2023

heat	start time	end time	obser	reason	duration	note	
63233713	6:56	06:59:20	1st Charge		3.12		
	7:14	07:16:30	2nd Charge		1.75		
	7:47	07:55:19	Push Door		7.82		
	7:59	08:05:38	Tapping		6.32		
63233714	8:05	08:10:18	1st Charge		4.67		
	8:25	08:27:23	2nd Charge		1.72		
	9:02	09:08:39	Tapping		6.43		
63233715	9:08	09:11:03	1st Charge		2.40		
	9:26	09:28:31	2nd Charge		1.75		
	9:59	10:00:33	Carbon Boil		0.77		
	10:04	10:12:03	Tapping		7.30		
63233716	10:12	16:06:35	Planned Maintenance		354.53	fixed spray ring on b ...fixed spray ring hose on c ...changed a phase shoe ...welded roof leak over number 3 (9/19/2023 13:28 SMITH, ANTHONY) (9/19/2023 14:05 Ben Gearin)	
	16:07	16:09:21	2nd Charge		1.75		
	16:52	16:59:59	Tapping		7.68		
63233717	16:59	17:02:44	1st Charge		2.75		
	17:18	17:20:40	2nd Charge		1.87		
	17:53	17:55:28	Carbon Boil		1.68		
	17:59	18:07:14	Tapping		8.02		
63233718	18:07	18:11:19	1st Charge		4.08		
	18:14	18:17:38	Add Electrode		3.38	1578s.....1555c (9/19/2023 18:20 SMITH, ANTHONY)	
	18:30	18:32:14	2nd Charge		1.77		
	19:06	19:14:44	Tapping		8.10		
63233719	19:14	19:17:31	1st Charge		2.78		
	19:25	19:28:36	Break down		3.12	tripped (9/20/2023 05:45 SMITH, ANTHONY)	
	19:35	19:37:01	2nd Charge		1.48		
	20:09	20:10:11	Take Temperature		0.35		
	20:12	20:20:41	Tapping		7.78		
63233720	20:20	20:23:24	1st Charge		2.72		
	20:37	20:39:07	2nd Charge		1.47		
	21:12	21:14:13	Carbon Boil		1.53		
	21:16	21:23:01	Tapping		6.67		
63233721	21:23	21:27:14	1st Charge		4.22		
	21:30	21:30:45	Reset KWH meter		0.50		
	21:43	21:47:25	2nd Charge		3.45		
	22:19	22:26:15	Tapping		6.42		
63233722	22:26	22:30:08	1st Charge		3.88		
	22:45	22:48:55	2nd Charge		3.42		
	23:21	23:22:06	Carbon Boil		0.80		
	23:23	23:30:31	Tapping		7.33		
63233723	23:30	23:35:44	1st Charge		5.22		
	23:50	23:53:12	2nd Charge		2.52		
	0:25	00:26:41	Carbon Boil		0.90		
	0:28	00:35:27	Tapping		6.62		
63233724	0:35	00:39:42	1st Charge		4.25		
	0:56	00:58:27	2nd Charge		2.32		
	1:30	01:37:47	Tapping		7.25		
63233725	1:37	01:41:34	1st Charge		3.78		
	1:58	01:59:50	2nd Charge		1.82		
	2:30	02:33:57	Push Door		3.17		
	2:36	02:40:28	Lance Taphole		3.52		
	2:40	02:45:23	Tapping		4.92		
63233726	2:45	02:54:41	Gunned Furnace		9.30	Ran slinger and spot gunned. (9/20/2023 02:54 SMITH, ANTHONY)	
	2:54	02:55:28	Pack Tap Hole		0.78		
	2:55	02:58:19	Drop Start Bucket		2.85	Charge crane bringing bucket out of hole after unhooking from slinger. (9/20/2023 02:59 SMITH, ANTHONY)	
	3:13	03:15:19	2nd Charge		1.50		
	3:15	03:18:35	Fill Taphole Hopper		3.27		
	3:45	03:49:00	Crane Busy		3.10	bringing ladle out of the back (9/20/2023 05:43 SMITH, ANTHONY)	
	3:54	03:57:33	Crane Busy		3.07		
	3:59	04:00:25	Lance Carbon		0.50		
	4:02	04:06:54	Tapping		4.75		
63233727	4:06	04:10:04	1st Charge		3.17		
	4:25	04:27:36	2nd Charge		2.22		
	4:59	05:02:54	Other		3.10	new crane operator (9/20/2023 05:46 SMITH, ANTHONY)	
	5:05	05:10:08	Recarb		4.50		
	5:10	05:15:31	Tapping		5.38		
63233728	5:15	05:18:31	1st Charge		3.00		
	5:18	05:20:07	Electrode Slip		1.60		
	5:36	05:38:25	2nd Charge		1.65		
	6:10	06:13:53	Other		3.67	lansing (9/20/2023 06:16 SMITH, ANTHONY)	
	6:15	06:27:11	Tapping		11.62		
					Days	250.00	70%
					Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/20/2023

heat	start_time	end_time	obser	reason	duration	note
63233729	6:27	06:32:00	1st Charge		4.82	
	6:43	06:43:50			0.00	
	6:47	06:49:32	2nd Charge		2.35	
	7:23	07:31:51	Tapping		8.50	
63233730	7:31	07:36:48	1st Charge		4.95	
	7:54	07:55:56	2nd Charge		1.82	
	8:29	08:30:05	Take Temperature		0.12	
	8:30	08:37:04	Tapping		6.22	
63233731	8:37	08:39:58	1st Charge		2.90	
	8:56	08:59:09	2nd Charge		2.17	
	9:32	09:40:33	Tapping		8.30	
63233732	9:40	09:43:53	1st Charge		3.33	
	10:00	10:02:16	2nd Charge		1.70	
	10:25	10:35:51	Plate Change		9.97	
	10:47	10:47:21	Carbon Boil		0.03	
	10:50	10:56:45	Tapping		5.98	
63233733	10:56	10:59:17	1st Charge		2.53	
	11:09	11:09:04			0.00	
	11:15	11:17:44	2nd Charge		1.85	
	11:50	11:51:49	Carbon Boil		1.65	
	11:52	12:00:45	Tapping		7.90	
63233734	12:00	12:06:37	1st Charge		5.87	
	12:07	12:18:09	Add Electrode		10.28	b1569.. added hot (9/20/2023 12:09 SMITH, ANTHONY)
	12:32	12:34:09	2nd Charge		1.67	
	13:08	13:08:43			0.28	
	13:10	13:18:10	Tapping		7.57	
63233735	13:18	13:20:34	1st Charge		2.40	
	13:36	13:37:49	2nd Charge		1.65	
	14:10	14:17:44	Carbon Boil		6.82	
63233736	14:17	14:21:02	1st Charge		3.30	
	14:36	14:38:25	2nd Charge		1.72	
	15:14	15:20:36	Tapping		6.17	
63233737	15:20	15:23:02	1st Charge		2.43	
	15:38	15:40:27	2nd Charge		1.70	
	16:19	16:27:18	Tapping		7.82	
63233738	16:27	16:29:39	1st Charge		2.33	
	16:34	16:38:25	Add Electrode		3.67	1570s.....1578a (9/20/2023 16:36 SMITH, ANTHONY)
	16:50	16:52:13	Drop Start Bucket		1.65	
	17:24	17:29:39			5.42	
63233739	17:29	17:33:26	1st Charge		3.78	
	17:36	17:40:47	Add Electrode		3.82	1570c...1567s (9/20/2023 17:42 SMITH, ANTHONY)
	17:44	17:44:50			0.03	
	17:56	17:58:34	2nd Charge		2.12	
	18:28	18:34:39	Tapping		5.88	
63233740	18:34	18:40:41	1st Charge		6.03	
	18:55	18:58:18	2nd Charge		2.43	
	19:30	19:33:31			2.95	
	19:34	19:39:31	Tapping		5.15	
63233741	19:39	19:43:20	1st Charge		3.82	
	19:57	19:57:10			0.02	
	19:59	20:00:27	2nd Charge		1.45	
	20:34	20:40:34	Tapping		6.45	
63233742	20:40	20:43:34	1st Charge		3.00	
	20:43	20:54:03	Other		10.48	
	21:09	21:12:08	2nd Charge		2.28	
	21:37	21:52:15			14.28	
	22:04	22:07:06			2.50	
	22:07	22:07:13			0.02	
	22:08	22:08:39			0.35	
	22:09	22:15:18	Tapping		5.58	
63233743	22:15	22:45:16	1st Charge		29.97	
	22:48	22:56:12			7.63	
	23:00	23:03:58			3.28	
	23:07	23:13:48	Tapping		6.17	
63233744	23:13	23:17:22	1st Charge		3.57	
	23:32	23:32:12			0.02	
	23:34	23:48:27	Radiation Alarm		14.33	Waiting on truck 4, could be from rain. (9/20/2023 23:37 SMITH, ANTHONY)
	0:19	00:20:25	Push Door		1.30	
	0:22	00:25:48	Blank	Strand Started Late	3.32	
	0:25	00:26:12	Lance Taphole		0.40	
	0:26	00:30:48	Tapping		4.60	
63233745	0:30	00:34:59	1st Charge		4.18	
	0:50	00:52:35	2nd Charge		2.43	
	1:24	01:26:48			2.10	
	1:28	01:30:06			1.12	
	1:32	01:39:08	Tapping		6.33	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/21/2023

heat	start_time	end_time	obser	reason	duration	note
63233746	1:39	00:15:16	Shutdown		1356.13	
	0:34	00:36:24	2nd Charge		2.22	Employee training. (9/22/2023 00:36 SMITH, ANTHONY)
	0:36	00:41:39	Cold Furnace Start Up		5.25	
	0:58	01:03:48	Cold Furnace Start Up		5.43	
	1:15	01:20:27	Cold Furnace Start Up		5.05	
	1:24	01:26:13	Cold Furnace Start Up		2.20	
	1:28	01:28:37	Take Temperature		0.35	
	1:30	01:32:45	Cold Furnace Start Up		2.62	
	1:34	01:35:28	Recarb		1.10	
	1:37	01:40:20	Cold Furnace Start Up		2.78	
	1:41	01:41:43	Take Temperature		0.30	
	1:42	01:43:14	Take Temperature		0.28	
	1:44	01:45:58	Recarb		1.72	Fill guns (9/22/2023 01:45 SMITH, ANTHONY)
	1:47	01:47:38	Take Temperature		0.30	
	1:48	01:48:53	Take Temperature		0.32	
	1:49	01:52:31	Lance Carbon		2.82	
	1:52	01:57:56	Tapping		5.42	
63233747	1:57	01:59:56	Pack Tap Hole		2.00	
						Spot gun under number 1 and number 4. Bricks showing after 1st heat on start up. (9/22/2023 02:12 SMITH, ANTHONY)
	1:59	02:11:16	Gunned Furnace		11.33	
	2:11	02:12:49	Drop Start Bucket		1.55	
	2:30	02:33:04	2nd Charge		3.05	
	3:04	03:09:20			4.43	
	3:12	03:13:07			0.35	
	3:14	03:14:55			0.13	
	3:16	03:23:42	Tapping		7.23	
63233748	3:23	03:28:00	1st Charge		4.30	Employee training in crane. (9/22/2023 03:30 SMITH, ANTHONY)
	3:28	03:28:42	Electrode Slip		0.70	
	3:28	03:29:34	Electrode Slip		0.87	
	3:45	03:48:26	2nd Charge		2.75	
	4:23	04:26:08	Lance Taphole		2.57	
	4:26	04:32:12	Tapping		6.07	
63233749	4:32	04:38:20	1st Charge		6.13	Making sure no brick was showing under number 2 burner. Training employee in charge crane. (9/22/2023 04:38 SMITH, ANTHONY)
	4:55	04:57:38	2nd Charge		2.23	
	5:30	05:31:59	Door Sticking		1.07	
	5:33	05:39:32	Lance Carbon		5.68	
	5:39	05:40:48	Lance Taphole		1.27	
	5:40	05:47:11	Tapping		6.38	
63233750	5:47	05:51:35	1st Charge		4.40	Training employee in charge crane. (9/22/2023 05:54 SMITH, ANTHONY)
	5:51	05:52:17	Electrode Slip		0.70	
	5:52	05:52:40	Electrode Slip		0.38	
	6:08	06:10:48	2nd Charge		2.25	
	6:45	06:52:09	Tapping		6.80	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/22/2023

heat	start time	end time	obser	reason	duration	note
63233751	6:52	06:56:59	1st Charge		4.83	
	7:12	07:13:31	2nd Charge		1.48	
	7:46	07:46:44	Carbon Boil		0.68	
	7:48	07:50:41	Tapping		2.00	
	7:50	07:58:10	Tapping		7.48	
63233752	7:58	08:02:14	1st Charge		4.07	
	8:17	08:18:49	2nd Charge		1.68	
	8:52	08:56:27	Lance Taphole		3.50	
	8:56	09:04:02	Tapping		7.58	
63233753	9:04	09:06:54	1st Charge		2.87	
	9:21	09:23:14	2nd Charge		1.58	
	10:02	10:11:17	Tapping		8.80	
63233754	10:11	10:14:17	1st Charge		3.00	
	10:14	10:19:10			4.88	
	10:24	10:28:54	Add Electrode		4.37	
	10:38	10:40:19	2nd Charge		2.20	
	11:13	11:15:14	Tapping		1.50	
	11:15	11:20:42	Tapping		5.47	
63233755	11:20	11:23:37	1st Charge		2.92	
	11:38	11:39:57	2nd Charge		1.46	
	12:17	12:25:19	Tapping		7.33	
63233756	12:25	12:28:48	1st Charge		3.48	
	12:31	12:35:50	Add Electrode		4.22	1571 (9/22/2023 12:32 Tim MacLin)
	12:47	12:49:26	2nd Charge		1.47	
	13:22	13:31:17	Tapping		8.60	
63233757	13:31	13:35:06	1st Charge		3.82	
	13:38	13:42:42			4.23	1572 (9/22/2023 13:39 Tim MacLin)
	13:54	13:56:12	2nd Charge		1.52	
63233758	14:30	14:35:20	Tapping		5.08	
	14:35	14:38:10	1st Charge		2.83	
	14:52	14:54:14	2nd Charge		1.42	
	15:30	15:37:01	Tapping		6.65	
63233759	15:37	15:39:48	1st Charge		2.78	
	15:54	15:56:01	2nd Charge		1.48	
	16:30	16:32:32	Lance Taphole		1.83	
	16:32	16:38:28	Tapping		5.93	
63233760	16:38	16:41:29	1st Charge		3.02	
	16:56	16:58:19	2nd Charge		1.63	
	17:30	17:33:05	Lance Carbon		2.23	
	17:33	17:40:01	Tapping		6.07	
63233761	17:40	17:43:31	1st Charge		3.50	
	17:57	17:59:14	2nd Charge		1.50	
	17:59	18:01:38	Mash With Bucket	Excessive Build-Up	2.40	
	18:33	18:37:14	Waiting on TMS	Waiting on TMS	4.23	estop on slag door (9/22/2023 18:33 Tim MacLin)
	18:41	18:47:16	Lance Taphole		5.72	
	18:47	18:53:29	Tapping		6.22	
63233762	18:53	18:57:05	1st Charge		3.60	
	19:12	19:13:28	2nd Charge		1.00	
	19:13	19:15:22	Mash With Bucket	Dropped Charge Off-Center	1.90	mashing (9/22/2023 19:16 Richard Phelps)
	19:47	19:49:10	Trash in the hopper		2.05	maganese stopped weighing up piece stuck in the hopper (9/22/2023 19:48 Richard Phelps)
	19:52	19:54:47	Recarb		2.00	669 ppm 3097 temp (9/22/2023 19:54 Richard Phelps)
	19:54	19:56:16	Lance Taphole		1.48	
63233763	19:56	20:02:50	Tapping		6.57	
	20:02	20:06:06	1st Charge		3.27	
	20:21	20:23:29	2nd Charge		1.98	
	20:57	20:59:57	Lance Taphole		2.02	
	20:59	21:06:07	Tapping		6.17	
63233764	21:06	21:08:07	Pack Tap Hole		2.00	
	21:08	21:09:07	Drop Start Bucket		1.00	
	21:09	21:11:07	Electrode Slip		2.00	also slipped C phase as well (9/22/2023 21:18 Richard Phelps)
	21:11	21:14:29	Breakdown		3.37	lost lock light had to force roof on and force pin to go in to get the lock light. (9/22/2023 21:16 Richard Phelps)
	21:30	21:31:47	2nd Charge		1.65	
	21:50	21:58:07	Blank	Caster Running Slow	7.40	caster on 3 strands trouble opening the ladle (9/22/2023 21:52 Richard Phelps)
	22:11	22:13:24	Lance Taphole		2.17	
63233765	22:13	22:19:16	Tapping		5.87	
	22:19	22:25:58	1st Charge		6.70	
	22:41	22:43:21	2nd Charge		1.82	
	23:15	23:20:43	Plate Change		5.33	
	23:25	23:29:34	Recarb		4.33	669 ppm 3130 temp (9/22/2023 23:26 Richard Phelps)
	23:29	23:30:15	Lance Taphole		0.68	
	23:30	23:37:24	Tapping		7.15	
63233766	23:37	23:43:48	1st Charge		6.40	
	0:00	00:02:15	2nd Charge		1.77	
	0:35	00:37:55	Take Temperature		2.15	
	0:37	00:44:47	Tapping		6.87	
63233767	0:44	00:51:12	1st Charge		6.42	
	1:06	01:08:28	2nd Charge		1.80	
	1:17	01:17:24			0.02	
	1:38	01:39:13	Carbon Boil		0.68	
	1:42	01:43:54	Take Temperature		1.07	
	1:44	01:45:24	Lance Taphole		0.48	
	1:45	01:52:13	Tapping		6.52	
63233768	1:52	01:55:27	1st Charge		3.23	
	2:10	02:12:11	2nd Charge		1.90	
	2:30	02:36:56	Blank	Caster Running Slow	5.98	caster on 4 strands draining tundish down grade change (9/23/2023 02:32 Richard Phelps)
	2:46	02:47:04	Carbon Boil		0.93	
	2:50	02:54:11	Other		3.77	
	2:57	02:58:50	Take Temperature		1.83	
	2:58	03:00:16	Lance Taphole		1.43	
	3:00	03:07:03	Tapping		6.78	
63233769	3:07	03:10:56	1st Charge		3.88	
	3:26	03:27:58	2nd Charge		1.68	
	4:00	04:04:17	Other		4.20	swap ladles (9/23/2023 04:00 Richard Phelps)
	4:07	04:08:59	Take Temperature		1.68	
	4:08	04:15:31	Tapping		6.53	
63233770	4:15	04:20:48	1st Charge		5.28	
	4:36	04:38:18	2nd Charge		1.80	
	5:01	05:02:30	Other		0.63	had a cave in turned power off checked trodes sounded like a quiet brake (9/23/2023 05:33 Richard Phelps)
	5:12	05:12:55	Take Temperature		0.38	
	5:13	05:14:37	Lance Taphole		1.10	
	5:14	05:20:20	Tapping		5.72	
63233771	5:20	05:25:03	1st Charge		4.72	
	5:41	05:43:06	2nd Charge		1.82	
	6:09	06:10:21	Carbon Boil		0.82	
	6:15	06:19:24	Lance Taphole		3.48	
	6:19	06:25:48	Tapping		6.40	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/23/2023

heat	start time	end time	obser	reason	duration	note
63233772	6:25	06:28:31	1st Charge		2.72	
	6:43	06:45:34	2nd Charge		1.92	
	7:20	07:24:25	Lance Taphole		4.30	
	7:24	07:30:53	Tapping		6.47	
63233773	7:30	07:33:53	1st Charge		3.00	
	7:33	07:42:18	Gunned Furnace		8.42	Gunned westside of the slag door. (9/23/2023 08:40 Tim MacLin)
	7:57	07:59:01	2nd Charge		1.60	
	8:35	08:36:38	Tapping		1.00	
	8:36	08:38:23	Lance Taphole		1.75	
	8:38	08:44:23	Tapping		6.00	
63233774	8:44	08:47:23	1st Charge		3.00	
	8:47	08:49:17	Electrode Slip		1.90	Slipped all. (9/23/2023 10:29 Tim MacLin)
	9:04	09:05:45	2nd Charge		1.50	
	9:05	09:16:18	Mag Bezel Ring	Other	10.55	
	9:49	09:50:38	Lance Taphole		1.05	
	9:52	09:57:46	Tapping		5.27	
63233775	9:57	10:00:34	1st Charge		2.80	
	10:15	10:16:34	2nd Charge		1.57	
	10:51	10:53:18	Lance Taphole		1.75	
	10:53	10:59:44	Tapping		6.43	
63233776	10:59	11:03:29	1st Charge		3.75	
	11:06	11:11:50	Add Electrode		5.55	1575 (9/23/2023 11:07 Tim MacLin)
	11:23	11:25:01	2nd Charge		1.50	
	11:55	12:04:15	Plate Change		8.35	
	12:09	12:10:31	Lance Carbon		1.50	
	12:10	12:13:19	Lance Taphole		2.80	
	12:13	12:20:07	Tapping		6.80	
63233777	12:20	12:23:20	1st Charge		3.22	
	12:26	12:31:02	Add Electrode		4.17	1576 (9/23/2023 12:31 Tim MacLin)
	12:42	12:43:46	2nd Charge		1.65	
	13:17	13:18:08	Take Temperature		1.05	
	13:19	13:22:35	Lance Taphole		3.00	
	13:22	13:25:58	Tapping		6.35	
63233778	13:28	13:32:53	1st Charge		3.95	
	13:33	13:37:51	Add Electrode		4.00	1574 (9/23/2023 13:53 Tim MacLin)
	13:37	13:48:42	Hoses		10.85	Hose cut in half. (9/23/2023 13:53 Tim MacLin)
	14:03	14:04:45	2nd Charge		1.57	
	14:37	14:38:51	Carbon Boil		0.90	
	14:39	14:45:01	Tapping		5.43	
63233779	14:45	14:47:46	1st Charge		2.75	
	15:02	15:03:59	2nd Charge		1.48	
	15:36	15:37:24	Carbon Boil		0.62	
	15:40	15:41:57	Lance Carbon		1.75	
	15:41	15:47:56	Tapping		5.98	
63233780	15:47	15:51:52	1st Charge		3.93	
	16:06	16:07:58	2nd Charge		1.48	
	16:42	16:44:31	Lance Carbon		2.00	
	16:44	16:50:51	Tapping		6.33	
63233781	16:50	16:53:02	1st Charge		2.18	
	17:07	17:08:35	2nd Charge		1.50	
	17:43	17:45:37	Lance Taphole		2.50	
	17:45	17:51:30	Tapping		5.88	
63233782	17:51	17:54:01	1st Charge		2.52	
	18:09	18:10:53	2nd Charge		1.47	
	18:44	18:51:40	Tapping		6.80	
	18:51	18:53:40	Pack Tap Hole		2.00	
63233783	18:53	18:54:40	Drop Start Bucket		1.00	
	18:54	18:56:40	Electrode Slip		2.00	Also slipped B and C phase as well. (9/23/2023 19:02 Tim MacLin)
	18:56	18:59:42	Breakdown		3.03	Roof stopped 3/4 of the way on lost lock light had to go to the manual station to get it on all the way. (9/23/2023 19:05 Tim MacLin)
	19:14	19:15:43	2nd Charge		1.52	
	19:51	19:53:14	Take Temperature		1.97	slag fce off (9/23/2023 19:53 Richard Phelps)
	19:53	19:59:14	Tapping		6.00	
63233784	19:59	20:01:40	1st Charge		2.43	
	20:16	20:17:53	2nd Charge		1.53	
	20:52	20:56:25	Lance Carbon		4.30	
	20:56	21:04:25	Lance Taphole		8.00	
63233785	21:04	21:07:25	1st Charge		3.00	
	21:07	21:31:55	Gunned Furnace		24.50	
	21:46	21:48:30	2nd Charge		1.57	
	22:23	22:25:06	Lance Carbon		1.62	
	22:26	22:31:16	Tapping		4.45	
63233786	22:31	22:35:42	1st Charge		4.43	
	22:50	22:52:27	2nd Charge		1.48	
	23:21	23:21:47	Carbon Boil		0.75	
	23:26	23:28:46	Lance Taphole		2.32	
	23:28	23:34:15	Tapping		5.48	
63233787	23:34	23:38:14	1st Charge		3.98	
	23:53	23:54:54	2nd Charge		1.63	
	0:23	00:24:22	Carbon Boil		0.62	
	0:30	00:32:46	Recarb		2.65	631 ppm 3094 temp (9/24/2023 00:30 Richard Phelps)
	0:32	00:39:01	Tapping		6.25	
63233788	0:39	00:42:12	1st Charge		3.18	
	0:57	00:59:34	2nd Charge		1.62	
	1:32	01:34:56	Lance Carbon		1.95	
	1:34	01:35:35	Lance Taphole		0.65	
	1:35	01:40:45	Tapping		5.17	
63233789	1:40	01:44:32	1st Charge		3.78	
	1:59	02:01:20	2nd Charge		1.70	
	2:36	02:38:16	Lance Taphole		2.23	
	2:38	02:43:51	Tapping		5.58	
63233790	2:43	02:48:44	1st Charge		4.88	
	3:03	03:05:21	2nd Charge		1.53	
	3:38	03:40:21	Recarb		1.60	681 ppm 3043 temp (9/24/2023 03:39 Richard Phelps)
	3:41	03:45:44	Lance Taphole		4.13	
	3:45	03:51:02	Tapping		5.30	
63233791	3:51	03:54:39	1st Charge		3.62	
	4:10	04:12:06	2nd Charge		1.58	
	4:44	04:50:20	Tapping		5.77	
	4:50	04:55:07	1st Charge		4.78	
63233792	5:10	05:11:39	2nd Charge		1.48	
	5:41	05:45:33			3.57	
	5:51	06:01:35	Tapping		10.32	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/24/2023

heat	start time	end time	obsr	reason	duration	note
63233793	6:01	07:10:18	Tundish Change Only		68.72	
	7:25	07:26:55	2nd Charge		1.58	
	7:56	08:18:37	J hook		22.00	Steel on J Hooks. (9/24/2023 12:02 Tim Maclin)
	8:18	08:30:52	Plate Change		12.25	
	8:41	08:43:50	Lance Taphole		2.70	
63233794	8:43	08:49:52	Tapping		6.03	
	8:49	08:52:52	1st Charge		3.00	
	8:52	09:06:49	Other		13.95	Water leak test. (9/24/2023 12:01 Tim Maclin)
	9:22	09:23:36	2nd Charge		1.57	
	10:01	10:07:42	Tapping		5.93	
63233795	10:07	10:12:19	1st Charge		4.62	
	10:27	10:28:46	2nd Charge		1.52	
	11:02	11:03:36	Carbon Boil		1.13	
	11:04	11:06:38	Lab-Sample		2.35	
	11:11	11:12:21	Take Temperature		1.07	
63233796	11:12	11:20:15	Tapping		7.80	
	11:20	11:24:25	1st Charge		4.17	
	11:28	11:32:11	Add Electrode		3.95	1574 (9/24/2023 11:28 Tim Maclin)
	11:43	11:44:56	2nd Charge		1.55	
	12:17	12:19:25	Lab-Sample		2.05	
63233797	12:24	12:26:35	Lance Carbon		2.10	
	12:26	12:32:41	Tapping		6.10	
	12:32	12:36:01	1st Charge		3.33	
	12:51	12:53:16	2nd Charge		1.53	
	13:26	13:27:49	Carbon Boil		1.65	
63233798	13:28	13:30:54	Lab-Sample		2.35	
	13:31	13:31:01	Electrodes Moving Slow		0.02	
	13:35	13:37:26	Take Temperature		2.00	
	13:37	13:40:26	Recarb		3.00	
	13:40	13:46:53	Tapping		6.45	
63233799	13:46	13:49:53	1st Charge		3.00	
	13:49	13:52:17	Push Door		2.40	
	13:54	13:58:56	Add Electrode		4.07	1579 (9/24/2023 14:01 Tim Maclin)
	14:11	14:12:47	2nd Charge		1.45	
	14:45	14:50:42	Lab-Sample		4.88	
63233800	14:55	14:57:12	Lance Taphole		1.30	
	14:57	15:03:14	Tapping		6.03	
	15:03	15:06:19	1st Charge		3.08	
	15:10	15:13:55	Add Electrode		3.62	1580 (9/24/2023 16:10 Tim Maclin)
	15:25	15:27:03	2nd Charge		1.50	
63233801	15:58	16:00:34	Lab-Sample		1.87	
	16:04	16:06:45	Lance Carbon		2.00	
	16:06	16:14:48	Tapping		8.05	
	16:14	16:17:48	1st Charge		3.00	
	16:17	16:24:53	2nd Charge		6.25	
63233802	16:38	16:40:22	2nd Charge		1.53	
	17:12	18:21:37	Blank	Caster Running Slow	69.30	caster on 2 strands ladle won't open (9/24/2023 17:18 Tim Maclin)
	18:31	18:34:52	Lance Taphole		3.08	
	18:34	18:40:41	Tapping		5.82	
	18:40	18:42:41	Pack Tap Hole		2.00	
63233803	18:42	19:13:41	Gunned Furnace		31.00	
	19:13	19:16:50	Drop Start Bucket		3.15	
	19:33	19:34:55	2nd Charge		1.60	
	20:10	20:13:35	Taking Sample TMSD		3.05	waiting on sample (9/24/2023 20:11 Richard Phelps)
	20:16	20:18:05	Lance Taphole		1.95	
63233804	20:18	20:23:21	Tapping		5.27	
	20:23	20:28:39	1st Charge		5.30	
	20:43	20:45:15	2nd Charge		1.52	
	21:15	21:16:29	Carbon Boil		1.33	
	21:20	21:25:23	Taking Sample TMSD		4.45	waiting on a sample (9/24/2023 21:22 Richard Phelps)
63233805	21:28	21:31:20	Lance Taphole		2.37	
	21:31	21:36:31	Tapping		5.18	
	21:36	21:39:57	1st Charge		3.43	
	21:55	21:56:56	2nd Charge		1.62	
	22:29	22:34:20	Lance Carbon		5.00	39 carbon (9/24/2023 22:30 Richard Phelps)
63233806	22:34	22:39:17	Taking Sample TMSD		4.95	waiting on sample (9/24/2023 22:36 Richard Phelps)
	22:44	22:47:54	Lance Taphole		3.35	
	22:47	22:53:11	Tapping		5.28	
	22:53	22:57:58	1st Charge		4.78	
	23:12	23:14:31	2nd Charge		1.55	
63233807	23:51	23:53:47	Taking Sample TMSD		2.00	waiting on sample (9/24/2023 23:53 Richard Phelps)
	23:53	23:56:47	Lance Taphole		3.00	
	23:56	00:02:16	Tapping		5.48	
	0:02	00:05:58	1st Charge		3.70	
	0:21	00:22:34	2nd Charge		1.57	
63233808	0:58	01:09:41	Other		10.78	ladle getting lanced out (9/25/2023 01:00 Richard Phelps)
	1:14	01:18:53	Other		4.58	ladle on the way (9/25/2023 01:16 Richard Phelps)
	1:18	01:21:23	Lance Taphole		2.50	
	1:21	01:26:40	Tapping		5.28	
	1:26	01:30:08	1st Charge		3.47	
63233809	1:46	01:48:13	2nd Charge		1.58	
	2:21	02:26:55	Lance Carbon		5.80	33 carbon (9/25/2023 02:22 Richard Phelps)
	2:31	02:32:37	Lance Taphole		1.25	
	2:32	02:37:58	Tapping		5.35	
	2:37	02:43:50	1st Charge		5.87	
63233810	2:59	03:01:14	2nd Charge		1.50	
	3:33	03:39:26	Other		5.65	ladle gate getting lanced out (9/25/2023 03:36 Richard Phelps)
	3:42	03:47:50	Lance Taphole		5.67	
	3:49	03:54:50	Tapping		5.48	
	3:54	03:58:18	1st Charge		3.47	
63233811	4:14	04:16:00	2nd Charge		1.68	
	4:45	04:46:10	Carbon Boil		1.00	
	4:49	04:53:51	Other		3.98	ladle on the way (9/25/2023 04:51 Richard Phelps)
	4:56	04:58:28	Lance Taphole		2.08	
	4:58	05:04:54	Tapping		6.43	
63233812	5:04	05:08:28	1st Charge		3.57	
	5:24	05:26:07	2nd Charge		1.62	
	5:59	06:06:47	Other		7.33	getting sand in the ladle (9/25/2023 06:01 Richard Phelps)
	6:06	06:06:53			0.00	
	6:10	06:12:48	Lance Taphole		2.28	
63233813	6:12	06:19:06	Tapping		6.30	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/25/2023

heat	start time	end time	obser	reason	duration	note
63233810	6:19	06:24:30	1st Charge		5.40	
	6:38	06:38:49	Electrodes Moving Slow		0.02	
	6:40	06:41:55	2nd Charge		1.65	
	7:03	09:05:43	Breakdown		122.03	shaft broke on hoist motor causing mag to fall to the ground (9/25/2023 18:04 SMITH, ANTHONY)
	9:18	09:21:05	Push Door		3.03	
	9:29	09:40:54	Tapping		11.10	
63233811	9:40	10:00:51			19.95	
	10:04	10:33:37	Breakdown		28.88	
	10:39	10:52:17			12.93	
63233812	10:52	10:57:12	1st Charge		4.92	
	11:13	11:15:51	2nd Charge		2.12	
	11:50	11:50:46	Carbon Boil		0.75	
	11:52	12:03:06	Tapping		10.85	
63233813	12:03	12:06:06	1st Charge		3.00	
	12:06	12:33:48	Gunned Furnace		27.70	
	12:49	12:51:27	2nd Charge		1.83	
	13:24	13:25:15	Carbon Boil		0.88	
	13:28	13:35:37	Tapping		7.60	
63233814	13:35	13:39:22	1st Charge		3.75	
	13:55	13:56:54	2nd Charge		1.50	
	14:32	14:40:26	Tapping		8.00	
63233815	14:40	14:43:25	1st Charge		2.98	
	14:58	15:00:08	2nd Charge		2.00	
	15:32	15:34:10	Carbon Boil		1.27	
	15:34	15:37:57	Push Door		3.78	
	15:42	15:44:26	Lance Carbon		2.35	
	15:44	15:46:05	Lance Taphole		1.65	
	15:46	15:53:09	Tapping		7.07	
63233816	15:53	15:56:43	1st Charge		3.57	
	16:12	16:13:56	2nd Charge		1.60	
	16:47	16:49:09	Carbon Boil		1.62	
	16:50	16:59:42	Tapping		8.82	
63233817	16:59	17:02:42	1st Charge		3.00	
	17:02	17:03:26	Electrode Slip		0.73	
	17:09	17:14:33	Add Electrode		5.52	s1535 (9/25/2023 17:15 Richard Phelps)
	17:26	17:28:04	2nd Charge		1.60	
	17:57	17:58:16	Carbon Boil		0.62	
	17:58	17:58:25	Carbon Boil		0.03	
	18:01	18:08:51	Tapping		7.13	
63233818	18:08	18:12:30	1st Charge		3.65	
	18:27	18:29:12	2nd Charge		1.55	
	19:04	19:08:13	Lance Carbon		4.02	
	19:08	19:09:18	Lance Taphole		1.08	
	19:09	19:15:07	Tapping		5.82	
63233819	19:15	19:18:07	1st Charge		3.00	
	19:18	19:19:49	Electrode Slip		1.70	
	19:21	19:25:17	Add Electrode		3.82	s1536 (9/25/2023 19:26 SMITH, ANTHONY)
	19:39	19:40:33	2nd Charge		1.47	
	20:08	20:15:41	Other		7.45	Started strand late. Just slag out (9/25/2023 20:09 SMITH, ANTHONY)
	20:15	20:23:07	Plate Change		7.43	
	20:30	20:34:17	Lance Taphole		3.55	
	20:34	20:39:45	Tapping		5.47	
63233820	20:39	20:42:45	1st Charge		3.00	
	20:42	20:44:19	Electrode Slip		1.57	
	20:46	20:51:05	Add Electrode		4.40	s1532 (9/25/2023 20:47 SMITH, ANTHONY)
	21:03	21:05:02	2nd Charge		1.55	
	21:36	21:37:18	Carbon Boil		0.95	
	21:40	21:47:39	Tapping		7.38	
63233821	21:47	21:50:27	1st Charge		2.80	
	22:05	22:06:33	2nd Charge		1.47	
	22:37	22:38:40	Carbon Boil		1.63	
	22:42	22:48:16	Lance Carbon		5.67	
	22:48	22:55:10	Tapping		6.90	
63233822	22:55	22:57:31	1st Charge		2.35	
	23:12	23:13:32	2nd Charge		1.48	
	23:47	23:51:39	Cleaning Ladle Lip		4.65	
	23:51	23:53:03	Lance Taphole		1.40	
	23:53	23:59:19	Tapping		6.27	
63233823	23:59	00:01:39	1st Charge		2.33	
	0:16	00:18:02	2nd Charge		1.65	
	0:47	00:50:53	Other		3.75	lance quit working (9/26/2023 00:49 SMITH, ANTHONY)
	0:58	01:07:39	Lance Carbon		9.63	DJJ put 3,000 brickette in bucket instead of putting 1,000. (9/26/2023 05:43 SMITH, ANTHONY)
	1:07	01:14:00	Tapping		6.35	
63233824	1:14	01:17:00	1st Charge		3.00	
	1:17	01:17:30	Electrode Slip		0.50	
	1:17	01:18:24	Electrode Slip		0.90	
	1:33	01:34:38	2nd Charge		1.58	
	2:08	02:11:00	Lance Carbon		2.67	
	2:11	02:13:13	Lance Taphole		2.22	
	2:13	02:19:04	Tapping		5.85	
63233825	2:19	02:22:11	1st Charge		3.12	
	2:36	02:38:23	2nd Charge		1.53	
	3:12	03:18:10	Tapping		5.60	
63233826	3:18	03:21:05	1st Charge		2.92	
	3:35	03:37:30	2nd Charge		1.62	
	4:12	04:18:40	Tapping		6.17	
63233827	4:18	04:22:00	1st Charge		3.33	
	4:36	04:38:05	2nd Charge		1.57	
	5:11	05:14:56	Lance Carbon		3.00	
	5:14	05:20:32	Tapping		5.60	
63233828	5:20	05:23:32	1st Charge		3.00	
	5:23	05:24:34	Fill Taphole Hopper		1.03	
	5:39	05:40:39	2nd Charge		1.50	
	5:40	05:42:44	Mash With Bucket	Excessive Build-Up	2.08	
	6:17	06:23:19	Tapping		6.30	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/26/2023

heat	start time	end time	obsr	reason	duration	note
63233820	6:23	06:41:08	1st Charge		17.52	
	6:55	06:57:20	2nd Charge		1.58	
	7:08	07:08:56	Electrodes Moving Slow		0.02	
	7:10	07:10:13	Electrodes Moving Slow		0.02	
	7:29	07:30:18	Cleaning Ladle Up		5.00	
	7:30	07:35:18	Other		5.00	ladle was cold had a hard time lancing ladle (9/26/2023 08:11 SMITH, ANTHONY)
	7:35	07:38:33	Redump Ladle		3.25	
	7:46	07:46:53	Redump Ladle		0.02	
	7:47	07:50:00	Redump Ladle		3.00	
	7:50	07:57:15	Tapping		7.25	
63233830	7:57	08:00:12	1st Charge		2.85	
	8:15	08:17:10	2nd Charge		1.60	
	8:51	08:59:29	Tapping		8.22	
	8:59	09:01:29	Pack Tap Hole		2.00	
63233831	9:01	09:30:57	Gunned Furnace		29.47	
						Lost swing lock light. Had furnace operator put eyes on swing lock to ensure it was down and pin out before swinging roof back on. (9/26/2023 09:34 SMITH, ANTHONY)
	9:30	09:32:49			1.87	
	9:49	09:52:12	2nd Charge		2.70	
	10:24	10:27:43	Redump Ladle		3.42	
	10:31	10:32:59	Redump Ladle		1.30	
	10:34	10:41:58	Tapping		7.90	
63233832	10:41	10:46:27	1st Charge		4.48	
	10:46	10:51:40			5.13	Skull arc on B phase (9/26/2023 10:54 SMITH, ANTHONY)
	11:07	11:09:28	2nd Charge		1.58	
	11:40	11:41:11			0.77	
	11:44	11:53:19	Tapping		8.33	
63233833	11:53	11:56:09	1st Charge		2.83	
	12:00	12:00:25			0.00	
	12:11	12:13:09	2nd Charge		1.50	
	12:13	12:15:55	Mash With Bucket	Big Scrap on Top	2.77	
	12:47	12:52:42	Other		5.05	new crane operator a little slow turning the ladle around (9/26/2023 13:00 SMITH, ANTHONY)
	12:54	13:02:33	Tapping		7.65	
63233834	13:02	13:05:54	1st Charge		3.35	
	13:18	13:18:51	Electrodes Moving Slow		0.03	
	13:20	13:22:27	2nd Charge		1.58	
	13:55	14:02:01	Tapping		6.35	
63233835	14:02	14:04:53	1st Charge		2.87	
	14:20	14:22:24	2nd Charge		1.52	
	14:52	14:52:47	Carbon Boil		0.78	
	14:56	14:56:56	Take Temperature		0.65	
	14:57	15:04:23	Tapping		6.50	
63233836	15:04	15:06:51	1st Charge		2.47	
	15:22	15:24:11	2nd Charge		1.63	
	15:55	15:56:23	Carbon Boil		0.68	
	15:58	16:06:53	Tapping		8.37	
63233837	16:06	16:06:53	1st Charge		3.00	
	16:09	16:11:24	Electrode Slip		1.52	
	16:13	16:17:30	Add Electrode		4.42	s1531 (9/26/2023 16:19 SMITH, ANTHONY)
	16:31	16:33:02	2nd Charge		1.50	
	17:03	17:04:30	Carbon Boil		1.15	
	17:07	17:17:52	Tapping		9.15	
63233838	17:17	17:19:40	1st Charge		2.63	
	17:35	17:37:27	2nd Charge		1.50	
	17:37	17:40:03	Caster Close to Slag Out		2.60	
	18:11	18:11:50			0.73	
	18:11	18:12:01			0.07	
	18:13	18:22:41	Tapping		9.18	
63233839	18:22	18:25:41	1st Charge		3.00	
	18:25	18:28:12	Wet Scrap		2.52	putting out fires on the east side of furnace (9/26/2023 18:42 SMITH, ANTHONY)
	18:30	18:41:32	Hoses		10.90	oxygen line (9/26/2023 18:42 SMITH, ANTHONY)
	18:53	18:55:27	2nd Charge		1.50	
	19:29	19:32:09	Lance Taphole		2.43	
	19:32	19:38:10	Tapping		6.02	
63233840	19:38	19:41:10	1st Charge		3.00	
	19:41	19:42:18	Electrode Slip		1.13	
	19:57	19:59:16	2nd Charge		2.10	
						t (9/26/2023 20:36 Tim MacIn)Ladle crane cleaned ladle after slag out, so when they checked ladle they had trouble lancing nozzle They have to lance steel out of the nozzle, so have to switch to back-up ladle. (9/26/2023 20:38 Tim MacIn) (9/26/2023 21:15 Tim MacIn)
	20:28	20:41:01	Swap to backup ladle		12.03	
	20:44	20:45:31	Carbon Boil		1.08	
	20:48	20:53:39	Other		4.70	Coming with back-up ladle (9/26/2023 20:50 Tim MacIn)
	20:53	21:00:31	Tapping		6.87	
63233841	21:00	21:03:31	1st Charge		3.00	
	21:03	21:04:47	Electrode Slip		1.27	
	21:20	21:21:35	2nd Charge		1.50	
						Had to backslip B phase so we can change it out. Had to get ladle up to castor before we slag out. (9/26/2023 21:27 Tim MacIn)
	21:21	21:22:46	Electrode Slip		1.18	
	21:22	21:25:24	Mash With Bucket	Excessive Build-Up	2.63	
	21:27	21:33:52	Add Electrode		5.77	s1534 (9/26/2023 21:30 Tim MacIn)
	22:01	22:03:05	Carbon Boil		1.57	
	22:04	22:10:25	Tapping		6.18	
63233842	22:10	22:13:25	1st Charge		3.00	
	22:13	22:14:16	Electrode Slip		0.85	
	22:16	22:20:41	Add Electrode		3.75	s1533 (9/26/2023 22:17 Tim MacIn)
	22:33	22:35:04	2nd Charge		1.48	
	23:03	23:06:25	Other		3.18	ladle was getting checked out (9/26/2023 23:04 Tim MacIn)
	23:09	23:11:43	Carbon Boil		1.77	
	23:11	23:13:48	Lance Carbon		2.08	
	23:16	23:23:03	Tapping		6.52	
63233843	23:23	23:26:03	1st Charge		3.00	
	23:26	23:46:03	Gunned Furnace		20.00	
	23:46	23:54:46			8.72	Lost swing lock light on panel. (9/26/2023 23:51 Tim MacIn)
	0:10	00:11:54	2nd Charge		1.55	
	0:44	00:51:13	Tapping		6.73	
63233844	0:51	00:53:49	1st Charge		2.60	
	1:07	01:07:13			0.00	
	1:09	01:10:41	2nd Charge		1.60	
	1:38	01:39:16	Carbon Boil		0.67	
	1:44	01:51:16	Tapping		6.53	
63233845	1:51	01:54:16	1st Charge		3.00	
	1:54	01:54:59	Electrode Slip		0.72	
	2:10	02:12:50	2nd Charge		1.87	
	2:40	02:40:58	Carbon Boil		0.45	
	2:45	02:48:46	Lance Carbon		1.50	
	2:46	02:52:31	Tapping		5.75	
63233846	2:52	02:55:30	1st Charge		2.98	
	3:10	03:12:20	2nd Charge		1.48	
	3:45	03:50:38	Tapping		5.57	
63233847	3:50	03:53:47	1st Charge		3.15	
	4:09	04:10:46	2nd Charge		1.55	
	4:39	04:45:46	Pate Charge		6.10	
	4:49	04:50:31	Carbon Boil		0.53	
	4:52	04:53:50	Lance Taphole		1.10	
	4:53	04:59:49	Tapping		5.98	
63233848	4:59	05:03:01	1st Charge		3.20	
	5:17	05:18:56	2nd Charge		1.40	
	5:18	05:20:23	Mash With Bucket	Excessive Build-Up	1.45	
	5:27	05:27:30			0.00	
	5:51	05:52:42	Lance Taphole		1.03	
	5:52	05:58:16	Tapping		5.57	
63233849	5:58	06:01:16	1st Charge		3.00	
	6:01	06:02:22	Electrode Slip		1.10	
	6:10	06:10:04	Electrodes Moving Slow		0.03	
	6:17	06:18:34	2nd Charge		1.55	
	6:49	06:51:26	Lance Taphole		2.00	
	6:51	06:57:15	Tapping		6.52	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/27/2023

heat	start time	end time	obser	reason	duration	note
63233850	6:57	07:00:31	1st Charge		3.27	
	7:12	07:12:55	Electrodes Moving Slow		0.02	
	7:16	07:18:23	2nd Charge		1.58	
	7:44	07:49:23	Other		4.58	caster behind on 4 strands (9/27/2023 10:06 Tim Maclin)
	7:54	08:03:01	Tapping		8.48	
63233851	8:03	08:06:01	1st Charge		3.00	
	8:21	08:23:12	2nd Charge		1.58	
	8:55	09:03:48	Tapping		8.33	
63233852	9:03	09:08:21	1st Charge		4.55	
	9:24	09:26:55	2nd Charge		2.50	
	9:59	10:02:27	Plate Change		3.00	
	10:02	10:09:48	Tapping		7.35	
63233853	10:09	10:11:48	Pack Tap Hole		2.00	
	10:11	10:37:30	Gunned Furnace		25.70	
	10:54	10:55:38	2nd Charge		1.62	
	11:29	11:30:56	Lance Carbon		1.77	
	11:32	11:40:09	Tapping		7.65	
63233854	11:40	11:42:52	1st Charge		2.72	
	11:47	11:49:11	Break down		2.12	tripped (9/27/2023 11:50 Tim Maclin)
	11:53	12:02:29	10 Min TVA Demand		9.13	
	12:11	12:12:47	2nd Charge		1.57	
	12:39	12:45:35	Cleaning Ladle Lip		6.55	
	12:53	12:54:08	Lance Taphole		0.88	
	12:54	12:59:56	Tapping		5.80	
63233855	12:59	13:02:49	1st Charge		2.88	
	13:03	13:14:51	Hoses		11.35	
	13:30	13:34:27	2nd Charge		4.13	
	14:05	14:05:53	Carbon Boil		0.45	
	14:09	14:16:06	Tapping		6.87	
63233856	14:16	14:18:51	1st Charge		2.75	
	14:35	14:37:35	2nd Charge		1.67	
	15:11	15:19:08	Tapping		7.77	
63233857	15:19	15:24:16	1st Charge		5.13	
	15:40	15:42:21	2nd Charge		1.60	
	16:11	16:12:07	Carbon Boil		0.58	
	16:12	16:12:14			0.02	
	16:17	16:25:11	Tapping		7.90	
63233858	16:25	16:28:11	1st Charge		3.00	
	16:28	16:29:34	Electrode Slip		1.38	
	16:32	16:36:22	Add Electrode		4.07	s1530 (9/27/2023 16:38 Tim Maclin)
	16:48	16:51:09	2nd Charge		2.23	
	16:56	17:00:10	Mag Bezel Ring	Big Scrap on Top	3.65	
	17:06	17:06:18	Electrodes Moving Slow		0.03	
	17:27	17:33:51	Tapping		6.10	
63233859	17:33	17:36:41	1st Charge		2.83	
	17:53	17:54:34	2nd Charge		1.53	
	18:27	18:34:05	Tapping		6.75	
63233860	18:34	18:36:32	1st Charge		2.45	
	18:51	18:53:14	2nd Charge		1.60	
	19:28	19:30:11	Lance Carbon		2.10	
	19:30	19:36:28	Tapping		6.28	
63233861	19:36	19:41:01	1st Charge		4.55	
	19:55	19:57:23	2nd Charge		1.52	
	20:31	20:33:11	Swap to backup ladle		2.00	
	20:33	20:34:11	Lance Taphole		1.00	
	20:34	20:39:26	Tapping		5.25	
63233862	20:39	20:42:59	1st Charge		3.55	
	20:58	20:59:39	2nd Charge		1.60	
	21:31	21:32:11			0.42	
	21:33	21:39:58	Tapping		6.68	
63233863	21:39	21:42:43	1st Charge		2.75	
	21:58	22:00:00	2nd Charge		1.97	
	22:31	22:31:49			0.47	
	22:31	22:31:55			0.02	
	22:35	22:41:00	Tapping		5.88	
63233864	22:41	22:45:12	1st Charge		4.20	
	23:00	23:02:26	2nd Charge		1.62	
	23:36	23:41:46	Tapping		5.18	

Days 250.00 70%
Nights 250.00 70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/28/2023

heat	start_time	end_time	obser	reason	duration	note
63233865	23:41	17:15:17	Downday		1053.52	
	17:34	17:36:03	2nd Charge		1.50	
	17:36	17:41:03	Cold Furnace Start Up		5.00	
	17:41	17:44:53	Radiation Alarm		3.83	
	17:58	18:03:51	Cold Furnace Start Up		5.13	
	18:15	18:21:12			5.90	
	18:37	18:48:52	Tapping		11.83	
63233866	18:48	18:51:52	1st Charge		3.00	
	19:09	19:10:54	2nd Charge		1.80	
	19:47	19:51:21	Lance Taphole		4.00	
	19:51	19:58:35	Tapping		7.23	
63233867	19:58	20:02:18	1st Charge		3.72	
	20:05	20:08:18	Add Electrode		3.25	1526 (9/28/2023 20:28 Tim Maclin)
	20:22	20:24:01	2nd Charge		1.87	
	20:57	21:05:11	Tapping		7.65	
63233868	21:05	21:07:51	1st Charge		2.67	
	21:23	21:24:39	2nd Charge		1.50	
	21:24	21:26:18	Mash With Bucket	Excessive Build-Up	1.65	
	22:01	22:04:22	Lance Taphole		3.00	
	22:04	22:11:22	Tapping		7.00	
63233869	22:11	22:14:11	1st Charge		2.82	
	22:30	22:31:30	2nd Charge		1.50	
	22:31	22:33:07	Mash With Bucket	Excessive Build-Up	1.62	
	23:00	23:14:44	Other		14.08	Strand three nozzle shooter will not retract, on three strands. (9/28/2023 23:06 Tim Maclin)
	23:24	23:25:54	Lance Taphole		1.45	
	23:25	23:32:39	Tapping		6.75	
63233870	23:32	23:36:27	1st Charge		3.80	
	23:52	23:54:34	2nd Charge		2.15	
	0:29	00:31:31			2.00	On three strands due to strand three nozzle shooter, caster behind. (9/29/2023 01:45 Tim Maclin)
	0:31	00:32:52	Lance Taphole		1.35	
	0:32	00:40:12	Tapping		7.33	
63233871	0:40	00:42:57	1st Charge		2.75	
	0:58	01:00:16	2nd Charge		1.50	
	1:00	01:01:06	Mash With Bucket		0.83	
	1:35	01:39:31	Lab-Sample		4.25	Cheacking for led. (9/29/2023 01:42 Tim Maclin)
	1:39	01:45:30	Tapping	Excessive Build-Up	5.98	
63233872	1:45	01:48:21	1st Charge		2.85	
	2:04	02:05:52	2nd Charge		1.77	
	2:39	02:46:45	Tapping		6.80	
63233873	2:46	02:49:45	1st Charge		3.00	
	2:49	02:50:57	Electrode Slip		1.20	
	3:06	03:07:52	2nd Charge		1.60	
	3:40	03:42:31	Lance Taphole		2.00	
	3:42	03:49:09	Tapping		6.63	
63233874	3:49	04:01:10	1st Charge		12.02	
	4:18	04:20:21	2nd Charge		1.70	
	4:50	04:56:42	Tapping		6.15	
63233875	4:56	04:59:59	1st Charge		3.28	
	5:15	05:17:01	2nd Charge		1.73	
	5:50	05:56:38	Tapping		6.48	

Days 250.00 70%
Nights 250.00 70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/29/2023

heat	start time	end time	obser	reason	duration	note
63233876	5:56	05:59:39	1st Charge		3.02	
	6:14	06:15:16	2nd Charge		1.73	
	6:47	06:50:25	Other		3.03	Swapped opertor. (9/29/2023 06:54 Tim Maclin)
	6:54	06:56:14	Other		2.10	Swapped operators. (9/29/2023 06:55 Tim Maclin)
63233877	6:56	07:03:52	Tapping		7.63	
	7:03	07:06:38	1st Charge		2.77	
	7:17	07:17:15	Electrodes Moving Slow		0.02	
	7:21	07:22:51	2nd Charge		1.35	
63233878	7:22	07:24:03	Mash With Bucket	Excessive Build-Up	1.20	
	8:01	08:08:45	Tapping		7.28	
	8:08	08:12:17	1st Charge		3.53	
	8:27	08:28:52	2nd Charge		1.53	
63233879	8:28	08:32:15	Blank	Billet Jammed	3.28	
	9:02	09:12:13	Cleaning Ladle Lip		9.88	
	9:17	09:20:16	Lance Taphole		3.15	
	9:20	09:28:19	Tapping		8.05	
63233880	9:28	09:33:01	1st Charge		4.70	
	9:44	09:44:37	Electrodes Moving Slow		0.03	
	9:49	09:52:10	Waiting For Crane	Training Employee	2.67	
	10:28	10:27:13	Take Temperature		1.03	
63233881	10:28	10:29:18	Take Temperature		0.48	
	10:30	10:33:16	Lance Taphole		2.77	
	10:33	10:39:42	Tapping		6.43	
	10:39	10:44:51	1st Charge		5.20	Training employee in charge crane. (9/29/2023 10:45 Richard Phelps)
63233882	11:01	11:03:48	Waiting For Crane	Training Employee	2.65	
	11:33	11:37:09	Trash in the hopper		3.73	Magenese would not weigh all the way up. (9/29/2023 11:45 Richard Phelps)
	11:42	11:43:01	Take Temperature		0.10	
	11:43	11:44:53	Lance Taphole		1.10	
63233883	11:44	11:52:01	Tapping		7.13	
	11:52	11:56:00	1st Charge		3.98	
	11:56	11:56:48	Electrode Slip		0.80	Back slip. (9/29/2023 11:58 Richard Phelps)
	11:59	12:03:53	Add Electrode		4.82	1525 (9/29/2023 12:01 Richard Phelps)
63233884	12:18	12:20:08	2nd Charge		1.57	
	12:52	12:54:16	Door Sticking		2.02	
	12:55	13:01:31	Lance Taphole		6.17	
	13:03	13:04:23	Lance Taphole		1.05	
63233885	13:04	13:11:28	Tapping		7.08	
	13:11	13:15:40	Missed the tap hole		5.20	
	13:16	13:18:22	Drop Start Bucket		1.70	
	13:34	13:36:49	2nd Charge		2.12	Training employee (9/29/2023 13:37 Richard Phelps)
63233886	13:36	13:39:39	Mash With Bucket	Big Scrap on Top	2.83	
	14:13	14:14:42	Lance Taphole		3.20	
	14:16	14:23:52	Tapping		7.17	
	14:23	14:27:40	1st Charge		3.80	
63233887	14:27	14:28:02	Electrode Slip		0.37	Back slip (9/29/2023 14:28 Richard Phelps)
	14:30	14:35:03	Add Electrode		4.47	1538 (9/29/2023 15:27 Richard Phelps)
	14:48	14:51:01	2nd Charge		2.27	
	15:24	15:26:47	Lance Taphole		1.95	
63233888	15:26	15:33:01	Tapping		6.23	
	15:33	15:36:30	1st Charge		3.48	
	15:52	15:54:13	2nd Charge		1.60	
	16:27	16:37:19	Tapping		9.63	
63233889	16:37	16:41:13	1st Charge		3.90	
	16:42	16:42:42	Breakdown	Other	0.30	A phase would not come down. Was getting touch down alarm at 146. Tried forcing A phase to follow B phase and would still not come down. Was getting 2 electrode arc alarm. Maintance came to inspect saw nothing keeping it from coming down. Kept trying and it started working on its on. (9/29/2023 17:00 Richard Phelps)
	16:43	16:43:28	Breakdown	Other	0.43	A phase would not come down. Was getting touch down alarm at 146. Tried forcing A phase to follow B phase and would still not come down. Was getting 2 electrode arc alarm. Maintance came to inspect saw nothing keeping it from coming down. Kept trying and it started working on its on. (9/29/2023 17:00 Richard Phelps)
	16:44	16:44:32	Breakdown	Other	0.45	A phase would not come down. Was getting touch down alarm at 146. Tried forcing A phase to follow B phase and would still not come down. Was getting 2 electrode arc alarm. Maintance came to inspect saw nothing keeping it from coming down. Kept trying and it started working on its on. (9/29/2023 17:01 Richard Phelps)
63233890	16:44	16:46:20	Breakdown	Other	1.43	A phase would not come down. Was getting touch down alarm at 146. Tried forcing A phase to follow B phase and would still not come down. Was getting 2 electrode arc alarm. Maintance came to inspect saw nothing keeping it from coming down. Kept trying and it started working on its on. (9/29/2023 17:01 Richard Phelps)
	16:46	16:56:32	Breakdown	Other	10.08	A phase would not come down. Was getting touch down alarm at 146. Tried forcing A phase to follow B phase and would still not come down. Was getting 2 electrode arc alarm. Maintance came to inspect saw nothing keeping it from coming down. Kept trying and it started working on its on. Swung roof off and back on to look and see if anything was keeping electrode from coming down. Saw nothing. (9/29/2023 17:02 Richard Phelps)
	16:56	16:56:48	Breakdown	Other	0.15	A phase would not come down. Was getting touch down alarm at 146. Tried forcing A phase to follow B phase and would still not come down. Was getting 2 electrode arc alarm. Maintance came to inspect saw nothing keeping it from coming down. Kept trying and it started working on its on. (9/29/2023 17:02 Richard Phelps)
	17:11	17:13:40	Lance Taphole		2.28	
63233891	17:46	17:55:52	Lance Taphole		9.22	
	17:55	17:58:59	1st Charge		3.12	
	18:15	18:17:16	2nd Charge		1.67	
	18:49	18:55:40	Tapping		5.77	
63233892	18:55	18:58:49	1st Charge		3.15	
	19:15	19:16:51	2nd Charge		1.72	
	19:49	20:00:38	Tapping		11.18	
	20:00	20:05:07	1st Charge		4.47	
63233893	20:21	20:23:37	2nd Charge		1.70	
	20:58	21:04:10	Tapping		6.05	
	21:04	21:09:40	1st Charge		4.50	
	21:05	21:14:15	Hoses		8.58	coke hose (9/29/2023 21:10 Richard Phelps)
63233894	21:16	21:21:21	Add Electrode		4.40	1538a..1537s (9/29/2023 21:19 Richard Phelps)
	21:34	21:39:08	2nd Charge		4.75	
	22:10	22:18:35	Tapping		7.82	
	22:18	22:21:29	1st Charge		2.90	
63233895	22:22	22:24:26	Fill Taphole Hopper		1.55	
	22:39	22:41:32	2nd Charge		1.70	
	23:13	23:20:52	Tapping		7.00	
	23:20	23:23:08	1st Charge		2.27	
63233896	23:39	23:41:28	2nd Charge		2.22	
	0:05	00:12:17	Swap to backup ladle		7.05	
	0:22	00:31:07	Tapping		9.08	
	0:31	00:34:59	1st Charge		3.87	
63233897	0:51	00:53:58	2nd Charge		1.65	
	1:16	01:22:09	Plate Change		5.82	
	1:31	01:32:46			0.98	
	1:33	01:40:26	Tapping		6.88	
63233898	1:40	01:43:08	1st Charge		2.70	
	2:00	02:02:03	2nd Charge		1.68	
	2:34	02:35:31	Carbon Boil		1.15	
	2:38	02:45:19	Tapping		7.32	
63233899	2:45	02:48:03	1st Charge		2.73	
	3:05	03:07:17	2nd Charge		1.77	
	3:41	03:44:18	Blank	Strand Started Late	2.80	
	3:47	03:55:28	Tapping		8.30	
63233900	3:55	04:00:05	1st Charge		4.62	
	4:16	04:17:59	2nd Charge		1.70	
	4:39	05:01:45	Breakdown		21.83	
	5:01	05:01:55			0.07	
63233901	5:13	05:15:11			1.50	
	5:18	05:28:43	Tapping		7.87	
	5:28	05:28:43	Breakdown		3.00	
	5:29	05:42:56	Breakdown		13.22	
63233902	5:59	06:01:16	2nd Charge		1.67	
	6:36	06:37:16	Carbon Boil		1.20	
	6:39	06:47:15	Tapping		7.27	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 9/30/2023

heat	start time	end time	obser	reason	duration	note
63233897	6:47	06:50:41	1st Charge		3.43	
	7:06	07:08:09	2nd Charge		1.67	
	7:42	07:43:54	Carbon Boil		0.93	
	7:44	07:55:16	Tapping		10.93	
63233898	7:55	08:00:04	1st Charge		4.80	
	8:16	08:17:43	2nd Charge		1.60	
	8:45	08:48:23	Waiting For Crane	On Other Job	2.48	Running deluth, crane hanging special carbon and chrome. Waiting to hang nflux to begin weighing up alloys. (9/30/2023 08:47 Richard Phelps)
	8:57	08:58:44	Lab-Sample		1.15	
	8:58	08:59:10	Take Temperature		0.43	
	8:59	08:59:58	Lance Taphole		0.80	
	8:59	09:06:41	Tapping		6.72	
63233899	9:06	09:10:33	1st Charge		3.87	
	9:26	09:28:36	2nd Charge		1.63	
	9:37	09:37:37	Electrodes Moving Slow		0.02	
	10:03	10:08:25	Cleaning Ladle Lip		4.63	
	10:10	10:11:52	Lance Taphole		1.68	
	10:11	10:18:37	Tapping		6.75	
63233900	10:18	10:22:09	1st Charge		3.53	
	10:25	10:30:04	Add Electrode		4.45	1528 (9/30/2023 10:27 Richard Phelps)
	10:43	10:45:00	2nd Charge		1.72	
	11:18	11:22:30	Cleaning Ladle Lip		3.78	
	11:23	11:25:18	Lance Taphole		1.70	
	11:25	11:31:34	Tapping		6.27	
63233901	11:31	11:34:39	1st Charge		3.08	
	11:50	11:52:16	2nd Charge		1.62	
	12:22	12:23:20	Carbon Boil		1.12	
	12:25	12:33:13	Plate Change		7.42	
	12:37	12:49:07	Plate Change		11.40	
63233902	12:49	12:52:20	1st Charge		3.22	
	13:07	13:09:26	2nd Charge		1.63	
	13:40	13:51:06	Plate Change		10.27	
	13:56	13:58:47	Lance Taphole		2.77	
	13:58	14:04:17	Tapping		5.50	
63233903	14:04	14:07:34	1st Charge		3.28	
	14:24	14:25:39	2nd Charge		1.55	
	14:56	14:57:23	Carbon Boil		0.82	
	14:57	14:57:38	Electrodes Moving Slow		0.13	
	14:59	15:06:39	Redump Ladle		6.83	
	15:10	15:12:17	Lance Taphole		2.15	
	15:12	15:18:40	Tapping		6.38	
63233904	15:18	15:52:20			33.67	Torch tables are full can not move deluth billets to boxes. Adding B phase hot while down. Electrode number 1527 (9/30/2023 15:27 Richard Phelps) (9/30/2023 16:12 Richard Phelps) (9/30/2023 16:13 Richard Phelps)
	16:08	19:54:47			226.15	Rotator went out. Both billet cranes down. (9/30/2023 16:13 Richard Phelps)
	20:32	20:34:09			1.55	wheel (9/30/2023 20:33 Richard Phelps)
	20:46	20:46:35	Take Temperature		0.37	
	20:47	20:55:09	Tapping		7.43	
63233905	20:55	21:38:27			43.30	billet cranes down 30600 scrap added (9/30/2023 21:02 Richard Phelps)
	21:51	22:53:10	1st Charge		61.43	Pourback (10/2/2023 08:06 Stefenon, Andre)
	22:59	23:10:50	Carbon Boil		10.92	ladle cold (9/30/2023 23:02 Richard Phelps)
	23:13	23:17:21	Taking Sample TMSD		3.77	
	23:18	23:28:22	Tapping		9.63	
63233906	23:28	23:46:36	Pourback	Low Temperature	18.22	ladle cold at tap.tap temp 3189 and still too cold (9/30/2023 23:29 Richard Phelps)
	23:48	23:52:27	2nd Charge		3.83	
	0:02	00:09:58	Lance Carbon		7.55	
	0:10	00:17:18	Take Temperature		7.17	
	0:21	00:29:56	Carbon Boil		8.12	
	0:37	00:45:22	Tapping		8.13	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/1/2023

heat	start time	end time	obser	reason	duration	note
63233907	0:45	00:48:38	1st Charge		3.27	
	1:06	01:08:42	2nd Charge		1.92	
	1:26	02:54:30	Break down		87.77	lost power to fce (10/1/2023 01:30 Ben Gearin)
	2:57	04:15:14	Break down		78.03	
	4:15	04:15:54	Break down		0.12	
	4:21	08:54:28	Break down		273.15	
	8:58	09:01:55	Block Heat		3.42	
	9:08	09:10:41	Push Door		2.33	
	9:14	09:15:33	Push Door		0.93	
	9:29	09:42:48	Lance Carbon		13.23	
63233908	9:47	09:52:23	Lance Taphole		4.80	
	9:52	09:58:17	Tapping		5.90	
	9:58	10:44:45	Pourback	Low Temperature	46.47	Heat was left in furnace for a couple of hours due to high yard issues. Ladle had skull in it. Went out 3200 degrees. Ladle temp after tap 3019. After turning slag ladle was 2950. Too cold to add additional alloys. (10/1/2023 10:22 Richard Phelps)
	10:48	10:54:56	Breakdown		6.20	
	10:54	11:01:02	Lance Carbon		6.10	
	11:01	11:08:24	Lab-Sample		7.37	
	11:14	11:20:46	Tapping		6.02	
	11:20	11:32:15	Lab-Sample		11.48	Steel started coming out around slag door during pour back. Opened slag door to ensure it did not get stuck. Making sure ladle is not short and chemistry is good before charging back. (10/1/2023 11:29 Richard Phelps)
	11:49	11:51:41	2nd Charge		1.70	
	11:51	11:52:42	Mash With Bucket	Excessive Build-Up	1.02	
63233910	12:30	12:39:30	Lance Carbon		8.75	
	12:39	12:43:06	1st Charge		3.60	
	12:43	12:43:48	Electrode Slip		0.70	Back slip (10/1/2023 12:44 Richard Phelps)
	12:43	12:44:08	Electrode Slip		0.33	
	12:46	12:50:46	Add Electrode		4.72	1547 (10/1/2023 12:52 Richard Phelps)
	13:06	13:08:22	2nd Charge		1.62	
	13:44	13:46:37	Lance Taphole		1.92	
	13:46	13:52:29	Tapping		5.87	
	13:52	13:55:38	1st Charge		3.15	
	14:12	14:14:05	2nd Charge		1.80	
63233911	14:14	14:50:32	Mash With Bucket	Excessive Build-Up	36.45	Clicked start delay on accident. (10/1/2023 14:52 Richard Phelps)
	14:52	14:54:01	Lance Taphole		1.63	
	14:54	14:59:05	Tapping		5.02	
	14:59	15:03:13	1st Charge		4.13	
	15:21	15:22:51	2nd Charge		1.75	
	15:58	16:02:52	Lance Taphole		4.05	
	16:02	16:08:21	Tapping		5.48	
	16:08	16:18:08			9.78	Switching to T1. (10/1/2023 16:18 Richard Phelps)
	16:34	16:35:54	2nd Charge		1.63	
	17:07	17:08:54	Carbon Boil		1.07	
63233912	17:11	17:18:46	Tapping		7.20	
	17:18	17:22:02	1st Charge		3.27	
	17:37	17:39:23	2nd Charge		1.70	
	18:13	18:20:55	Take Temperature		7.87	
	18:20	18:24:41	1st Charge		3.77	
	18:28	18:37:24	Skull arcing		9.07	
	18:51	18:52:53	2nd Charge		1.75	
	19:25	19:33:33	Carbon Boil		7.72	
	19:33	19:36:15	1st Charge		2.70	
	19:53	19:55:15	2nd Charge		1.85	
63233916	20:29	20:35:30	Tapping		6.27	
	20:35	20:39:53	1st Charge		4.38	
	20:56	20:58:51	2nd Charge		1.92	
	21:31	21:38:47	Tapping		7.12	
	21:38	21:42:22	1st Charge		3.58	
	21:58	22:00:24	2nd Charge		1.82	
	22:31	22:35:14	Other		4.00	mag hpper not feeding down plate in the way (10/1/2023 22:34 Richard Phelps)
	22:38	22:46:14	Tapping		7.98	
	22:46	22:49:44	1st Charge		3.50	
	23:04	23:04:07	Other		0.02	
63233919	23:06	23:07:52	2nd Charge		1.82	
	23:32	23:34:51	Blank	Strand Started Late	2.60	
	23:44	23:44:18			0.08	
	23:45	23:52:25	Tapping		7.37	
	23:52	23:55:16	1st Charge		2.85	
	0:11	00:14:28	2nd Charge		3.37	
	0:42	00:43:48	Carbon Boil		0.95	
	0:47	00:55:09	Tapping		7.20	
	0:55	00:59:40	1st Charge		4.52	
	1:02	01:06:14	Add Electrode		3.37	1547c...1548s (10/2/2023 01:04 Richard Phelps)
63233921	1:19	01:21:14	2nd Charge		1.68	
	1:52	01:59:55	Tapping		7.17	
	1:59	02:02:46	1st Charge		2.85	
	2:18	02:20:21	2nd Charge		1.82	
	2:52	02:59:51	Tapping		7.53	
	2:59	03:02:21	1st Charge		2.50	
	3:18	03:21:23	2nd Charge		2.92	
	3:45	03:51:17	Swap to backup ladle		5.57	
	3:56	03:57:14	Carbon Boil		0.82	
	3:57	03:57:20			0.02	
63233924	4:00	04:08:17	Tapping		7.53	
	4:08	04:12:10	1st Charge		3.88	
	4:28	04:31:03	2nd Charge		2.38	
	5:00	05:01:03	Carbon Boil		0.75	
	5:04	05:11:04	Tapping		6.18	
	5:11	05:14:04	1st Charge		3.00	
	5:14	05:23:16	Gunned Furnace		9.20	
	5:40	05:42:54	2nd Charge		2.12	
	6:15	06:22:15	Tapping		7.18	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/2/2023

heat	start time	end time	obser	reason	duration	note
63233926	6:22	06:25:04	1st Charge		2.82	
	6:41	06:43:22	2nd Charge		1.72	
	7:20	07:21:35	Carbon Boil		0.60	
	7:21	07:21:44	Skull arcing		0.05	
	7:23	07:25:22	Lance Taphole		2.00	
	7:25	07:32:18	Tapping		6.93	
63233927	7:32	07:35:10	1st Charge		2.87	
	7:50	07:52:17	2nd Charge		1.70	
	8:31	08:32:41	Take Temperature		1.00	
	8:32	08:35:26	Lance Taphole		2.75	
	8:35	08:42:18	Tapping		6.87	
63233928	8:42	08:45:18	1st Charge		3.00	
	8:45	08:47:37	Electrode Slip		2.32	Slipped all. (10/2/2023 08:48 Tim MacLin)
	8:51	08:55:36	Add Electrode		4.05	1543 (10/2/2023 08:53 Tim MacLin)
	9:06	09:08:13	2nd Charge		1.60	
	9:41	09:44:55	Lance Taphole		3.12	
	9:46	09:51:23	Tapping		5.12	
63233929	9:51	09:55:01	1st Charge		3.63	
	10:10	10:13:15	2nd Charge		2.93	
	10:48	10:50:50	Lance Taphole		2.07	
	10:52	10:59:02	Tapping		6.58	
63233930	10:59	11:01:53	1st Charge		2.85	
	11:17	11:19:18	2nd Charge		1.67	
	11:51	11:54:27	Lance Taphole		2.78	
	11:58	12:05:04	Tapping		6.95	
63233931	12:05	12:08:20	1st Charge		3.27	
	12:23	12:24:57	2nd Charge		1.60	
	12:56	13:02:36	Plate Change		6.25	
	13:02	13:02:44	Skull arcing		0.03	
	13:13	13:18:40	Tapping		5.42	
63233932	13:18	13:22:56	1st Charge		4.27	
	13:38	13:40:25	2nd Charge		1.58	
	14:18	14:24:18	Tapping		5.82	
63233933	14:24	14:27:54	1st Charge		3.60	
	14:28	14:31:03	Reset KWH meter		2.33	
	14:46	14:55:31	Wait on DJJ		9.17	
	15:09	17:37:25			147.85	Both cranes down due to rotator breakdown. (10/2/2023 15:15 Tim MacLin)
	18:09	18:16:34	Tapping		7.23	
63233934	18:16	18:19:34	1st Charge		3.00	
	18:19	18:42:08	Pourback	Other	22.57	North and South billet crane down due to rotator, it caused the shop to shutdown and had to shut ladle off mid-cast. 66 tons left in the ladle. (10/3/2023 06:58 Tim MacLin)
	18:56	19:02:41	Pourback	Other	5.77	Pouring steel into the furnace. (10/3/2023 06:59 Tim MacLin)
	19:16	19:21:53	Lab-Sample		5.03	
	19:21	19:21:47	Other		5.90	Lance nozzle. (10/2/2023 19:22 Tim MacLin)
	19:31	19:37:27	Other		5.65	Lance nozzle and get sand. (10/2/2023 19:36 Tim MacLin)
	19:40	19:46:21	Tapping		5.72	
63233935	19:46	20:10:12	Gunned Furnace		23.85	Brick showing under number 2. Thin under number 1. (10/2/2023 19:52 Tim MacLin)
	20:10	20:11:37	Breakdown		1.42	Lost unlock light after swinging roof off. Had someone make sure it was down before forcing unlock on PLC and swinging roof. (10/2/2023 20:12 Tim MacLin)
	20:14	20:22:20	Add Electrode		8.03	1544 (10/3/2023 07:02 Tim MacLin)
	20:35	20:37:25	2nd Charge		1.65	
	20:48	20:48:37	Other		0.38	Sounded as if an electrode broke. Ran electrodes up to confirm it was or not. (10/2/2023 20:49 Richard Phelps)
	21:15	21:20:02	Lance Taphole		4.68	
	21:20	21:24:42	Tapping		4.67	
63233936	21:24	21:29:40	Plugged		4.97	
	21:29	21:31:43	Drop Start Bucket		2.05	
	21:38	21:43:23	Other		4.98	Lost butt on C phase, needing to slip. Lost swing lock light before swinging roof. (10/2/2023 21:40 Richard Phelps)
	21:52	21:56:28	Breakdown		3.57	Keep losing light. (10/2/2023 21:54 Richard Phelps)
	22:27	22:27:56	Carbon Boil		0.72	
	22:29	22:30:56	Take Temperature		1.20	
	22:32	22:33:07	Lance Taphole		0.98	
	22:33	22:38:21	Tapping		5.23	
63233937	22:38	22:42:03	1st Charge		3.70	
	22:42	22:42:47	Electrode Slip		0.73	BACKSLIP. (10/2/2023 22:43 Richard Phelps)
	22:45	22:49:59	Add Electrode		4.80	1549 (10/2/2023 22:47 Richard Phelps)
	23:02	23:04:17	2nd Charge		1.72	
	23:33	23:33:59	Carbon Boil		0.60	
	23:37	23:38:39	Lance Taphole		1.27	
	23:38	23:44:17	Tapping		5.63	
63233938	23:44	23:47:38	1st Charge		3.35	
	0:02	00:04:28	2nd Charge		1.58	
	0:39	00:46:45	Tapping		7.48	
63233939	0:46	00:49:50	1st Charge		3.08	
	1:05	01:07:26	2nd Charge		1.70	
	1:39	01:40:41	Take Temperature		1.53	
	1:42	01:48:39	Tapping		6.33	
63233940	1:48	01:53:19	1st Charge		4.67	
	2:08	02:10:48	2nd Charge		2.30	
	2:39	02:44:58	Plate Change		5.83	
	2:49	02:49:48	Take Temperature		0.38	
	2:50	02:53:33	Lance Taphole		2.58	
	2:53	02:59:50	Tapping		6.28	
63233941	2:59	03:03:28	1st Charge		3.83	
	3:18	03:20:41	2nd Charge		1.80	
	3:50	03:51:49	Carbon Boil		1.20	
	3:55	03:57:07	Lance Taphole		1.63	
	3:57	04:02:31	Tapping		5.40	
63233942	4:02	04:05:34	1st Charge		3.05	
	4:21	04:23:03	2nd Charge		1.70	
	4:53	04:57:35			4.52	Casters running slow. (10/3/2023 05:02 Richard Phelps)
	5:00	05:02:18	Lance Taphole		1.50	
	5:02	05:08:49	Tapping		6.52	
63233943	5:08	05:12:30	1st Charge		3.68	
	5:28	05:30:28	2nd Charge		1.77	
	5:58	06:05:15	Plate Change		8.35	
	6:12	06:18:06	Lance Taphole		6.02	
	6:16	06:24:52	Tapping		6.77	
					Days	250.00
					Nights	250.00
						70%
						70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/3/2023

heat	start time	end time	obsr	reason	duration	note
63233944	6:24	06:28:34	1st Charge		3.70	
	6:28	06:29:04	Electrode Slip		0.50	
	6:29	06:29:40	Electrode Slip		0.60	
	6:29	06:30:50	Fill Taphole Hopper		1.17	
	6:46	06:47:44	2nd Charge		1.60	
	7:19	07:25:21	Breakdown		6.05	Changed pole out. (10/3/2023 07:55 Tim MacIn)
	7:30	07:31:56	Carbon Boil		0.97	
	7:34	07:36:50	Lance Carbon		2.00	
	7:36	07:39:50	Lance Taphole		3.00	
	7:39	07:46:58	Tapping		7.13	
63233945	7:46	07:49:58	1st Charge		3.00	
	7:49	07:52:03	Push Door		2.08	
	8:06	08:08:26	2nd Charge		1.63	
	8:41	08:42:19	Carbon Boil		0.90	
	8:44	08:46:42	Lance Carbon		2.70	
	8:46	08:53:48	Tapping		7.10	
63233946	8:53	08:58:21	1st Charge		4.55	
	9:00	09:03:53	Add Electrode		3.72	1550 (10/3/2023 09:00 Tim MacIn)
	9:17	09:18:38	2nd Charge		1.48	
	9:42	10:10:16	J hook		27.45	J Hooks stuck on ladle, could not get off it to swap to back up ladle. (10/3/2023 09:55 Tim MacIn)
	10:18	10:20:34			2.22	
	10:24	10:34:10	Tapping		10.07	
63233947	10:34	10:37:01	1st Charge		2.85	
	10:52	10:53:58	2nd Charge		1.57	
	11:28	11:38:16	Tapping		9.75	
63233948	11:38	11:41:13	1st Charge		2.95	
	11:56	11:58:26	2nd Charge		2.42	
	12:30	12:31:59	Lance Carbon		1.25	
	12:35	12:35:46	Take Temperature		0.55	
	12:36	12:39:37	Lance Carbon		3.00	
	12:39	12:45:54	Tapping		6.28	
63233949	12:45	12:50:45	1st Charge		4.85	
	13:06	13:07:49	2nd Charge		1.53	
	13:42	13:44:10	Lance Taphole		1.50	
	13:44	13:50:45	Tapping		6.58	
	13:50	13:53:09	1st Charge		2.55	
	14:08	14:10:14	2nd Charge		1.53	
63233950	14:43	14:43:55	Carbon Boil		0.72	
	14:44	14:49:30	Lance Carbon		5.00	
	14:49	14:54:35	Tapping		5.08	
	14:54	14:57:51	1st Charge		3.27	
	15:12	15:14:32	2nd Charge		1.57	
	15:48	15:52:14	Swap to backup ladle		3.50	
63233951	15:52	15:57:19	Tapping		5.08	
	15:57	16:00:19	1st Charge		3.00	
	16:00	16:17:59	Gunned Furnace		17.67	
	16:33	16:34:49	2nd Charge		1.65	
	17:09	17:10:53	Lance Carbon		1.17	
	17:10	17:19:18	Lance Taphole		14.42	
63233952	17:12	17:17:57	Tapping		5.65	
	17:17	17:20:57	1st Charge		3.00	
	17:20	17:21:58	Electrode Slip		1.02	
	17:24	17:42:03	Add Electrode		17.80	s1551 (10/3/2023 17:25 Tim MacIn)ladle crane lifting device will not unlock, have to put electrode back and let charge crane bring back. (10/3/2023 17:33 Tim MacIn)have to add hot (10/3/2023 17:34 Tim MacIn)
	17:54	17:56:11	2nd Charge		1.68	
	18:26	18:32:35	Tapping		5.83	
63233954	18:32	18:35:35	1st Charge		3.00	
	18:35	18:38:23	Electrode Slip		0.80	
	18:50	18:52:32	2nd Charge		1.62	
	19:00	19:00:49	Electrodes Moving Slow		0.02	
	19:22	19:23:09	Take Temperature		1.15	
	19:23	19:23:17	Electrodes Moving Slow		0.02	
63233955	19:25	19:26:04	Take Temperature		0.50	
	19:26	19:32:31	Tapping		5.78	
	19:32	19:35:47	1st Charge		3.27	
	19:44	19:44:02	Electrodes Moving Slow		0.02	
	19:51	19:53:14	2nd Charge		1.75	
	20:20	20:33:02	Blank	Strand Started Late	12.27	Casters held up for furnace to make sure no gunning needed to be done. (10/3/2023 20:30 Tim MacIn)
	20:35	20:36:44	Door Sticking		1.57	
	20:38	20:45:01	Lance Taphole		6.60	
63233956	20:45	20:48:07	1st Charge		3.10	
	20:48	20:48:49	Electrode Slip		0.70	Back slip (10/3/2023 20:50 Tim MacIn)
	20:48	20:48:19	Electrode Slip		0.50	
	20:51	20:56:28	Add Electrode		4.55	15552 (10/3/2023 20:56 Tim MacIn)
	21:09	21:11:12	2nd Charge		1.53	
	21:35	21:41:43	Other		6.38	going down the slag ramp to out a piece of rebar out for TMS won't get a flat tire (10/3/2023 21:38 Tim MacIn)
	21:49	21:49:49	Take Temperature		0.17	
	21:50	21:52:19	Lance Taphole		1.62	
	21:52	21:58:12	Tapping		5.88	
63233957	21:58	22:01:17	1st Charge		3.08	
	22:16	22:20:17	2nd Charge		3.82	Lost swing lock light. (10/3/2023 22:20 Tim MacIn)
	22:49	22:56:14	Other		6.93	Furnace melting fast. Waited on ladle. (10/3/2023 22:57 Tim MacIn)
	22:59	23:01:05	Raking tap hole		1.43	
63233958	23:01	23:01:37	Lance Taphole		0.53	
	23:01	23:07:17	Tapping		5.87	
	23:07	23:10:09	1st Charge		2.87	
	23:12	23:13:20	Reset KWH meter		0.52	
	23:27	23:29:36	2nd Charge		1.63	
	23:58	00:01:00			2.48	
	0:02	00:05:47	Lance Taphole		2.85	
	0:05	00:11:12	Tapping		5.42	
63233959	0:11	00:14:14	1st Charge		3.03	
	0:29	00:30:59	2nd Charge		1.57	
	1:03	01:04:33	Raking tap hole		1.08	
	1:04	01:04:58	Lance Taphole		0.42	
	1:04	01:10:40	Tapping		5.70	
	1:10	01:14:16	1st Charge		3.60	
63233960	1:14	01:14:46	Electrode Slip		0.50	
	1:14	01:15:16	Electrode Slip		0.50	
	1:15	01:18:43	Skull arcing		3.45	
	1:35	01:37:28	2nd Charge		1.53	
	2:07	02:12:47			5.62	
	2:12	02:12:56			0.00	
	2:16	02:20:52	Lance Taphole		4.77	Pipe came apart. (10/4/2023 02:21 Richard Phelps)
	2:20	02:25:47	Tapping		4.92	
63233961	2:25	02:38:56	Gunned Furnace		13.15	Gun not gunning good. (10/4/2023 02:38 Richard Phelps)
	2:54	02:55:57	2nd Charge		1.63	
	3:28	03:30:57			2.30	
	3:30	03:32:44	Lance Taphole		1.78	
	3:32	03:37:31	Tapping		4.78	
	3:37	03:41:10	1st Charge		3.65	
63233962	3:55	03:58:52	2nd Charge		1.57	
	4:31	04:37:51	Tapping		6.82	
	4:37	04:41:07	1st Charge		3.27	
	4:41	04:42:37	Fill Taphole Hopper		1.50	
	4:58	04:59:54	2nd Charge		1.65	
	5:17	05:20:40	Mag Bezel Ring	Excessive Build-Up	2.75	
	5:34	05:41:35	Tapping		7.05	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/4/2023

heat	start time	end time	obser	reason	duration	note
63233964	5:41	06:50:10	1st Charge		68.58	Bottom temp is 615 degrees. RP says at 600 degrees to cast heat on caster level and heat that is in tapping pit, then to change tundish. (10/4/2023 05:53 Richard Phelps)
	7:06	07:07:53	2nd Charge		1.67	
	7:43	07:44:01			0.98	
	7:49	07:55:18	Tapping		5.33	
63233965	7:55	07:58:06	1st Charge		2.80	
	8:12	08:14:25	2nd Charge		1.62	
	8:47	08:54:17	Tapping		7.00	
63233966	8:54	08:59:08	1st Charge		4.85	
	9:13	09:15:27	2nd Charge		1.50	
	9:15	09:25:49			10.37	Billet got hung up on strand one, had to blank. On 2 strands (10/4/2023 16:00 Tim Maclin)
	9:50	10:02:45			11.98	Billet got hung up on strand one, had to blank. On 2 strands. (10/4/2023 15:48 Tim Maclin)
	10:08	10:09:14	Carbon Boil		1.05	
	10:13	10:19:59	Tapping		6.82	
63233967	10:19	10:22:59	1st Charge		3.00	
	10:22	10:37:55	Gunned Furnace		14.93	gunned tapole (10/4/2023 10:25 Tim Maclin)
	10:52	10:54:44	2nd Charge		1.75	
	11:25	11:26:13	Carbon Boil		0.92	
	11:27	11:29:13	Lance Carbon		2.10	
	11:29	11:30:32	Lance Taphole		1.32	
	11:30	11:36:32	Tapping		6.00	
63233968	11:36	11:39:33	1st Charge		3.02	
	11:54	11:56:16	2nd Charge		1.55	
	12:27	12:29:38	Lance Carbon		2.60	
	12:29	12:34:07	Tapping		4.48	
63233969	12:34	12:37:07	1st Charge		3.00	
	12:37	12:39:37	Electrode Slip		2.50	Slipped all trodes. (10/4/2023 12:47 Tim Maclin)
	12:41	12:45:43	Add Electrode		4.00	1539 (10/4/2023 12:46 Tim Maclin)
	12:59	13:00:43	2nd Charge		1.62	
	13:32	13:34:46	Lance Taphole		2.15	
	13:34	13:40:20	Tapping		5.57	
63233970	13:40	13:43:05	1st Charge		2.75	
	13:58	13:59:55	2nd Charge		1.50	
	13:59	14:01:05	Mash With Bucket	Excessive Build-Up	1.17	
	14:36	14:38:42	Redump Ladle		2.50	
	14:38	14:44:05	Tapping		5.38	
63233971	14:44	14:46:54	1st Charge		2.82	
	15:02	15:04:06	2nd Charge		1.50	
	15:04	15:04:58	Mash With Bucket	Excessive Build-Up	0.87	
	15:36	15:37:12	Take Temperature		0.65	
	15:38	15:43:22	Tapping		5.08	
63233972	15:43	15:46:26	1st Charge		3.07	
	16:01	16:03:29	2nd Charge		1.60	
	16:34	16:40:05	Tapping		5.77	
63233973	16:40	16:43:05	1st Charge		3.00	
	16:43	16:49:05	Gunned Furnace		6.00	gunned taphole (10/4/2023 16:59 Tim Maclin)
	16:49	17:58:34	Breakdown		69.48	
	18:14	18:16:42	2nd Charge		2.47	
	18:51	19:34:02	Trash in the hopper		42.87	pile broke off maint have to weld pipe back on to be able to get sand in the ladle nozzle. (10/4/2023 18:57 Tim Maclin)
	19:42	19:45:28			3.03	
	19:48	19:55:13	Tapping		7.02	
63233974	19:55	19:58:51	1st Charge		3.63	
	20:14	20:16:13	2nd Charge		1.82	
	20:49	20:50:43	Carbon Boil		0.83	
	20:53	20:54:46	Take Temperature		0.82	
	20:55	20:59:52	Tapping		4.42	
63233975	20:59	21:19:18	Gunned Furnace		19.43	
	21:35	21:47:27	Waiting For Crane	On Other Job	12.20	1 crane, Charge crane operator left for emergency. (10/4/2023 21:42 Tim Maclin)
	21:47	21:49:06	Mash With Bucket	Big Scrap on Top	1.65	
	22:16	22:17:27	Carbon Boil		0.95	
	22:20	22:25:38	Waiting For Crane	On Other Job	4.78	1 crane. (10/4/2023 22:27 Tim Maclin)
	22:25	22:31:39	Tapping		6.02	
63233976	22:31	22:41:12	Waiting For Crane	On Other Job	9.55	1 crane. (10/4/2023 22:41 Tim Maclin)
	22:56	23:09:58	2nd Charge		13.48	
	23:37	23:40:21	Other		3.03	Cranes setting up to drain furnace. (10/4/2023 23:42 Tim Maclin)
	23:45	23:49:03	Lance Taphole		3.53	
	23:49	23:56:19	Tapping		7.27	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/5/2023

heat	start_time	end_time	obser	reason	duration	note
63233977	23:56	20:52:37			1256.30	
	21:09	21:10:50	2nd Charge		1.50	
	21:10	21:15:55	Cold Furnace Start Up		5.08	
	21:33	21:38:48	Cold Furnace Start Up		5.43	
	21:50	21:55:48	Cold Furnace Start Up		5.43	
	21:59	22:06:55	Swap to backup ladle		7.17	
	22:13	22:19:01	Lance Carbon		5.62	
	22:21	22:32:05	Tapping		10.62	
63233978	22:32	22:35:04	1st Charge		2.98	
	22:51	22:52:53	2nd Charge		1.57	
	23:03	23:03:33	Electrodes Moving Slow		0.02	
	23:24	23:25:57	Carbon Boil		1.20	
	23:28	23:31:50	Push Door		3.65	
	23:35	23:45:18	Tapping		9.62	
63233979	23:45	23:51:13	1st Charge		5.92	
	0:06	00:08:17	2nd Charge		1.55	
	0:40	00:42:45			2.30	
	0:44	00:56:22	Tapping		11.45	
63233980	0:56	00:59:38	1st Charge		3.27	
	1:16	01:17:44	2nd Charge		1.62	
	1:49	01:57:23	Tapping		7.82	
63233981	1:57	02:00:45	1st Charge		3.37	
	2:15	02:17:09	2nd Charge		1.58	
	2:50	02:53:42	Lance Taphole		3.40	
	2:53	03:01:04	Tapping		7.37	
63233982	3:01	03:04:42	1st Charge		3.63	
	3:20	03:21:56	2nd Charge		1.67	
	3:49	03:51:15	Carbon Boil		1.58	
	3:55	03:58:16	Lance Taphole		3.02	
	3:58	04:05:44	Tapping		7.47	
63233983	4:05	04:09:12	1st Charge		3.47	
	4:25	04:26:45	2nd Charge		1.58	
	4:59	05:08:47	Tapping		9.28	
63233984	5:08	05:12:09	1st Charge		3.37	
	5:27	05:28:35	2nd Charge		1.58	
	6:03	06:07:42	Lance Carbon		4.00	
	6:07	06:08:42	Lance Taphole		1.00	
	6:08	06:16:35	Take Temperature		7.88	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/6/2023

heat	start time	end time	obser	reason	duration	note
63233985	6:16	06:19:35	1st Charge		3.00	
	6:19	06:26:39	Plugged		7.07	
	6:41	06:41:03	Other		0.02	
	6:41	06:43:21	2nd Charge		1.55	
	6:52	06:52:17	Other		0.03	
	7:16	07:17:51	Carbon Boil		1.12	
	7:19	07:29:06	Tapping		9.68	
63233986	7:29	07:32:35	1st Charge		3.48	
	7:48	07:50:29	2nd Charge		1.73	
	8:22	08:30:55	Tapping		8.38	
63233987	8:30	08:33:40	1st Charge		2.75	
	8:49	08:51:09	2nd Charge		1.73	
	9:25	09:33:07	Tapping		7.97	
63233988	9:33	09:36:07	1st Charge		3.00	
	9:36	09:44:48	Gunned Furnace		8.68	
	9:48	09:50:32	Add Electrode		2.10	1540b...1541s (10/6/2023 09:52 CLAYBROOKS, KENDRICK)
	9:54	10:12:28	Electrode Break	Other	17.97	s1540...b1542...a1541 (10/6/2023 10:10 CLAYBROOKS, KENDRICK)
	10:22	10:24:27	2nd Charge		1.70	
	10:55	11:05:42	Tapping		10.30	
63233989	11:05	11:08:42	1st Charge		3.00	
	11:08	12:44:34	Blank	Operator Error	95.87	turn caster around billet stuck in mold c/s hit wrong button on disconnect and cant get billet out will chgn mold and tundish (10/6/2023 12:00 Ben Gearin)
	13:01	13:02:46	2nd Charge		1.68	
	13:21	13:40:31	Change Mold	Billet Stuck in the mold	19.27	
	13:58	13:59:34			0.75	
	14:00	14:09:16	Tapping		8.45	
63233990	14:09	14:11:59	1st Charge		2.72	
	14:27	14:28:59	2nd Charge		1.50	
	14:28	14:35:57	Other		6.97	couldnt get temp at pit pole bad (10/6/2023 15:00 Ben Gearin)
	15:07	15:08:27	Carbon Boil		0.82	
	15:12	15:20:10	Tapping		8.15	
63233991	15:20	15:24:06	1st Charge		3.93	
	15:27	15:32:44	Add Electrode		5.68	1546s...1545c (10/6/2023 15:28 CLAYBROOKS, KENDRICK)
	15:45	15:47:41	2nd Charge		1.75	
	16:17	16:18:09	Carbon Boil		0.95	
	16:21	16:28:55	Tapping		7.43	
63233992	16:28	16:31:51	1st Charge		2.93	
	16:48	16:49:53	2nd Charge		1.80	
	17:04	17:04:02			0.02	
	17:21	17:21:57	Carbon Boil		0.88	
	17:24	17:32:25	Tapping		7.60	
63233993	17:32	17:38:21	1st Charge		5.93	
	17:54	17:56:00	2nd Charge		1.67	
	18:27	18:28:31	Carbon Boil		1.15	
	18:30	18:38:33	Tapping		7.75	
63233994	18:38	18:42:47	1st Charge		4.23	
	18:50	18:54:09	Add Electrode		3.50	1650 (10/6/2023 19:38 CLAYBROOKS, KENDRICK)
	19:02	19:03:40	2nd Charge		1.52	
	19:37	19:38:39	Carbon Boil		0.97	
	19:39	19:41:36	Lance Carbon		2.00	
	19:41	19:43:36	Lance Taphole		2.00	
	19:43	19:50:49	Tapping		7.22	
63233995	19:50	19:54:12	1st Charge		3.38	
	20:10	20:11:42	2nd Charge		1.55	
	20:45	20:45:51	Carbon Boil		0.73	
	20:47	20:50:01	Lance Taphole		3.00	
	20:50	20:58:42	Tapping		8.68	
63233996	20:58	21:01:42	1st Charge		3.00	
	21:01	21:03:08	Electrode Slip		1.43	
	21:07	21:18:10	Add Electrode		10.42	added hot s1649 (10/6/2023 21:18 CLAYBROOKS, KENDRICK)
	21:28	21:30:15	2nd Charge		1.45	
	21:57	22:00:21	Redump Ladle		2.57	
	22:02	22:03:51	Carbon Boil		1.18	
	22:07	22:10:04	Lance Taphole		3.00	
	22:10	22:18:03	Tapping		7.98	
63233997	22:18	22:21:05	1st Charge		3.03	
	22:32	22:32:48			0.00	
	22:36	22:38:14	2nd Charge		1.53	
	23:10	23:11:39	Carbon Boil		1.45	
	23:15	23:24:16	Tapping		8.87	
63233998	23:24	23:26:43	1st Charge		2.45	
	23:41	23:44:34	2nd Charge		2.67	
	0:15	00:16:55	Carbon Boil		1.12	
	0:20	00:27:46	Tapping		7.63	
63233999	0:27	00:30:39	1st Charge		2.88	
	0:46	00:47:34	2nd Charge		1.57	
	1:20	01:21:22	Carbon Boil		1.00	
	1:23	01:27:15	Lance Carbon		4.00	
	1:27	01:28:49	Lance Taphole		1.57	
	1:28	01:35:34	Tapping		6.75	
63234000	1:35	01:38:20	1st Charge		2.77	
	1:54	01:55:32	2nd Charge		1.50	
	1:55	01:57:29	Mash With Bucket	Big Scrap on Top	1.95	
	2:26	02:27:29	Carbon Boil		0.82	
	2:30	02:31:55	Lance Taphole		1.38	
	2:31	02:40:26	Tapping		8.52	
63234001	2:40	02:44:07	1st Charge		3.68	
	2:59	03:01:52	2nd Charge		2.48	
	3:34	03:46:19	Tapping		11.85	
63234002	3:46	03:49:17	1st Charge		2.97	
	4:05	04:07:18	2nd Charge		1.50	
	4:07	04:09:59	Caster Close to Slag Out		2.68	
	4:38	04:44:37	Cleaning Ladle Lip		6.00	
	4:45	04:51:12	Redump Ladle		5.32	
	4:57	05:06:24	Tapping		9.33	
63234003	5:06	05:12:21	1st Charge		5.95	
	5:28	05:30:13	2nd Charge		1.60	
	6:02	06:13:31	Tapping		11.35	

Days 250.00
Nights 250.0070%
70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/7/2023

heat	start time	end time	obser	reason	duration	note
63234004	6:13	06:16:31	1st Charge		3.00	
	6:16	06:16:55	Electrode Slip		0.40	
	6:16	06:17:25	Electrode Slip		0.50	
	6:17	06:17:49	Electrode Slip		0.40	
	6:33	06:35:19	2nd Charge		1.58	
	6:59	07:04:03	Other		4.45	lanceing ladle (10/7/2023 07:02 SMITH, ANTHONY)
	7:11	07:12:40	Take Temperature		0.73	
	7:15	07:22:16	Take Temperature		6.57	
63234005	7:22	07:25:15	1st Charge		2.98	
	7:40	07:42:25	2nd Charge		1.92	
	8:10	08:11:37	Carbon Boil		0.97	
	8:11	08:11:45			0.05	
	8:16	08:22:20	Tapping		5.87	
63234006	8:22	08:25:28	1st Charge		3.13	
	8:41	08:43:08	2nd Charge		1.72	
	9:13	09:14:36	Carbon Boil		1.43	
	9:17	09:27:21	Tapping		9.87	
	9:27	09:30:22	1st Charge		3.02	
63234007	9:45	09:47:35	2nd Charge		1.78	
	10:18	10:19:26	Carbon Boil		0.83	
	10:24	10:31:34	Tapping		7.57	
	10:31	10:34:45	1st Charge		3.18	
	10:50	10:52:17	2nd Charge		1.82	
63234008	11:18	11:22:11	Redump Ladle		3.95	
	11:27	11:28:48	Carbon Boil		1.37	
	11:32	11:35:00	Lance Taphole		2.55	
	11:35	11:41:58	Tapping		6.93	
	11:41	11:46:57	1st Charge		4.98	
63234009	12:02	12:04:47	2nd Charge		1.95	
	12:36	12:38:19	Carbon Boil		1.62	
	12:40	12:47:22	Tapping		7.07	
	12:47	12:50:16	1st Charge		2.90	
	12:59	12:59:15	Other		0.05	
63234010	13:05	13:07:26	2nd Charge		1.82	
	13:37	13:38:53	Carbon Boil		1.33	
	13:41	13:48:16	Tapping		6.73	
	13:48	13:54:26	1st Charge		6.17	
	14:10	14:12:10	2nd Charge		1.87	
63234011	14:45	14:46:37	Carbon Boil		1.42	
	14:47	14:49:35	Lance Taphole		2.13	
	14:49	14:56:52	Tapping		7.23	
	14:56	15:02:53	1st Charge		6.02	
	15:04	15:09:41	Add Electrode		4.87	1548a....1638s (10/7/2023 15:12 SMITH, ANTHONY)
63234012	15:21	15:21:11			0.02	
	15:23	15:25:28	2nd Charge		1.85	
	15:56	15:57:33	Carbon Boil		0.92	
	16:00	16:08:53	Tapping		8.17	
	16:08	16:11:43	1st Charge		2.83	
63234013	16:26	16:28:44	2nd Charge		1.85	
	17:00	17:01:50	Carbon Boil		1.30	
	17:03	17:04:06	Take Temperature		0.27	
	17:04	17:11:36	Tapping		6.92	
	17:11	17:14:34	1st Charge		2.97	
63234014	17:30	17:32:11	2nd Charge		2.08	
	17:56	18:06:42	Plate Change		9.95	
	18:12	18:13:48	Carbon Boil		1.00	
	18:17	18:26:21	Tapping		8.98	
	18:26	18:30:19	1st Charge		3.97	
63234015	18:46	18:48:00	2nd Charge		1.82	
	18:56	18:56:21			0.00	
	19:18	19:19:50	Carbon Boil		1.27	
	19:23	19:24:42	Lance Carbon		1.70	
	19:24	19:27:00	Lance Taphole		2.30	
63234016	19:27	19:34:30	Tapping		7.50	
	19:34	19:38:09	1st Charge		3.65	
	19:41	19:45:32	Add Electrode		4.50	s1637 (10/7/2023 19:47 SMITH, ANTHONY)
	19:58	19:59:37	2nd Charge		1.52	
	20:29	20:30:21	Carbon Boil		0.82	
63234017	20:34	20:42:43	Tapping		8.35	
	20:42	20:45:14	1st Charge		2.52	
	21:01	21:02:48	2nd Charge		1.57	
	21:14	21:14:08			0.00	
	21:34	21:34:56	Carbon Boil		0.72	
63234018	21:36	21:38:09	Lance Carbon		1.80	
	21:38	21:39:21	Lance Taphole		1.20	
	21:39	21:46:41	Tapping		7.33	
	21:46	21:49:31	1st Charge		2.83	
	22:05	22:07:16	2nd Charge		1.50	
63234019	22:07	22:10:03	Caster Close to Stag Out		2.78	
	22:40	22:41:46	Carbon Boil		1.27	
	22:45	22:47:55	Lance Carbon		1.97	
	22:47	22:48:57	Lance Taphole		1.03	
	22:48	22:56:49	Tapping		7.97	
63234020	22:56	23:00:33	1st Charge		3.73	
	23:15	23:16:59	2nd Charge		1.43	
	23:48	23:49:28	Carbon Boil		1.23	
	23:51	00:01:12	Tapping		10.15	
	0:01	00:04:12	1st Charge		3.00	
63234021	0:04	00:05:00	Electrode Slip		0.80	
	0:08	00:18:53	Add Electrode		9.95	added hot s1640 (10/8/2023 00:12 SMITH, ANTHONY)
	0:20	00:43:24	Electrode Break	Other	23.18	
	0:52	00:54:16	2nd Charge		1.52	
	1:25	01:36:50	Tapping		10.88	
63234022	1:36	01:39:50	1st Charge		3.00	
	1:39	02:02:31	Gunned Furnace		22.68	
	2:13	02:16:04	Break down		4.47	
	2:21	02:23:06	2nd Charge		1.53	
	2:58	03:00:27	Lance Carbon		2.00	
63234023	3:00	03:08:49	Tapping		8.37	
	3:08	03:11:47	1st Charge		2.97	
	3:27	03:28:54	2nd Charge		1.53	
	4:03	04:11:54	Tapping		8.68	
	4:11	04:14:54	1st Charge		3.00	
63234024	4:14	04:18:07	Breakdown		3.22	hole in the hose (10/8/2023 04:19 SMITH, ANTHONY)
	4:33	04:35:06	2nd Charge		1.48	
	5:04	05:06:13	Carbon Boil		1.42	
	5:09	05:20:38	Tapping		11.42	
	5:20	05:23:50	1st Charge		3.20	
63234025	5:38	05:40:22	2nd Charge		1.57	
	6:09	06:11:10			1.33	
	6:13	06:21:58	Tapping		8.30	
			Days	250.00	70%	
			Nights	250.00	70%	

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/8/2023

heat	start time	end time	obser	reason	duration	note
63234025	6:21	06:24:29	1st Charge		12:24	
	6:37	06:37:03	Electrodes Moving Slow		0:24	
	6:39	06:40:46	2nd Charge		12:00	
	6:40	06:45:22			14:24	lost me roof in light (10/8/2023 06:47 SMITH, ANTHONY)
	7:16	07:17:38	Carbon Boil		21:12	
	7:17	07:17:44			0:24	
	7:21	07:28:20	Tapping		1:36	
63234026	7:28	07:31:14	1st Charge		21:36	
	7:46	07:48:23	2nd Charge		18:00	
	8:19	08:21:12	Carbon Boil		7:12	
	8:22	08:29:40	Tapping		2:00	
63234027	8:29	10:02:14	Section Size Change		13:36	
	10:18	10:20:37	2nd Charge		9:12	
	10:44	11:09:49	Section Size Change		14:00	molds were put in front of caster instead of north of caster and chute had so much steel on it it was wrapped around end and it took way too much time for this (10/8/2023 12:46 Ben Gearin)
	11:28	11:38:35	Tapping		11:36	
63234028	11:36	11:39:30	1st Charge		22:00	
	11:55	11:57:19	2nd Charge		18:24	
	12:27	12:28:42	Carbon Boil		0:00	
	12:34	12:40:58	Tapping		19:36	
63234029	12:40	12:45:35	1st Charge		14:48	
	13:01	13:02:48	2nd Charge		17:12	
	13:36	13:41:09			13:12	
	13:44	13:53:52	Tapping		7:12	
63234030	13:53	13:57:50	1st Charge		23:12	
	14:12	14:14:23	2nd Charge		18:00	
	14:49	14:56:12	Taking Sample TMSD		3:12	
	14:58	15:03:42	Lance Taphole		20:00	
	15:03	15:08:39	Tapping		22:00	
63234031	15:09	15:12:21	1st Charge		16:48	
	15:30	15:32:35	2nd Charge		18:24	
	16:00	16:24:16	Other		7:36	Ladle tender opened ladle too early on grade change shut off wouldnt open back lost all strands finally got open and strands back going (10/8/2023 17:40 Ben Gearin)
	16:26	16:32:49	Other		2:00	ssame delay (10/8/2023 17:41 Ben Gearin)
	16:39	16:48:32	Tapping		13:12	
63234032	16:48	16:52:11	1st Charge		15:36	
	17:08	17:10:40	2nd Charge		19:12	
	17:43	17:58:18	Taking Sample TMSD		12:00	delouth (10/8/2023 17:44 SMITH, ANTHONY)
	17:58	17:58:27	Other		1:12	
	18:02	18:07:13	Plate Change		11:36	
	18:07	18:13:19	Tapping		1:36	
63234033	18:13	18:18:15	1st Charge		22:24	
	18:20	18:24:49	Add Electrode		12:00	1639s....1640c (10/8/2023 18:23 SMITH, ANTHONY)
	18:39	18:41:01	2nd Charge		17:36	
	19:15	19:17:00	Carbon Boil		10:48	
	19:20	19:31:09	Tapping		15:36	
63234034	19:31	19:34:13	1st Charge		1:36	
	19:48	19:48:22	Electrodes Moving Slow		0:24	
	19:50	19:52:08	2nd Charge		12:00	
	20:23	20:32:10	Cleaning Ladle Lip		8:24	
	20:36	20:39:24	Cleaning Ladle Lip		0:00	
	20:39	20:42:24	Lance Taphole		0:00	
	20:42	20:50:30	Tapping		2:24	
63234035	20:50	20:53:30	1st Charge		0:00	
	20:53	20:55:34	Other		1:36	putting out a fire on the east side (10/8/2023 21:08 SMITH, ANTHONY)
	20:58	21:06:26	Add Electrode		6:24	
	21:20	21:21:36	2nd Charge		12:00	
	21:27	21:27:30			0:00	
	21:57	21:58:13	Carbon Boil		3:36	
	22:00	22:00:33	Take Temperature		10:00	
	22:01	22:10:03	Tapping		16:24	
63234036	22:10	22:13:03	1st Charge		0:00	
	22:13	22:22:51	Gunned Furnace		19:12	
	22:39	22:41:22	2nd Charge		0:48	
	23:18	23:20:34	Lab-Sample		15:36	
	23:20	23:28:51	Tapping		6:48	
63234037	23:28	23:32:33	1st Charge		16:48	
	23:48	23:50:07	2nd Charge		0:00	
	0:22	00:22:57	Carbon Boil		19:36	
	0:28	00:29:58	Lab-Sample		19:12	
	0:29	00:37:40	Tapping		16:48	
63234038	0:37	00:41:55	1st Charge		6:00	
	0:52	00:57:59	Break down		10:48	tripped (10/9/2023 00:53 SMITH, ANTHONY)
	1:03	01:05:22	2nd Charge		0:00	
	1:35	01:47:03	Blank	Duluth Grade	2:48	
	1:51	01:54:42			2:24	gunned in stir mec (10/9/2023 03:36 SMITH, ANTHONY)
	1:55	01:57:43	Lab-Sample		0:00	
	1:57	02:05:51	Tapping		3:12	
63234039	2:05	02:09:37	1st Charge		18:24	
	2:24	02:26:56	2nd Charge		4:48	
	3:03	03:12:31	Tapping		0:48	
63234040	3:12	03:16:29	1st Charge		23:12	
	3:31	03:33:09	2nd Charge		14:24	
	4:02	04:03:22	Carbon Boil		22:24	
	4:06	04:09:15	Swap to backup ladle		4:48	
	4:14	04:14:42	Take Temperature		6:24	
	4:15	04:22:29	Tapping		13:36	
63234041	4:22	04:25:29	1st Charge		0:00	
	4:25	04:26:11	Electrode Slip		16:48	
	4:29	04:35:20	Add Electrode		11:12	s1641 (10/9/2023 04:35 SMITH, ANTHONY)
	4:47	04:49:18	2nd Charge		13:36	
	5:25	05:33:15	Tapping		10:00	
63234042	5:33	05:36:15	1st Charge		0:00	
	5:36	05:38:10	Training Employee		22:00	
	5:53	05:55:12	2nd Charge		14:48	
	6:32	06:42:24	Tapping		2:00	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/9/2023

heat	start time	end time	obser	reason	duration	note
63234043	6:42	06:46:54	1st Charge		4.50	
	7:02	07:03:48	2nd Charge		1.67	
	7:34	07:37:50	Breakdown		3.80	battery showing low can't get a green light. (10/9/2023 07:35 Richard Phelps)
	7:40	07:49:35	Taking Sample TMSD		8.60	waiting on chemistry test (10/9/2023 07:44 Richard Phelps)
63234044	7:53	08:01:03	Tapping		7.73	
	8:01	08:03:03	Pack Tap Hole		2.00	
	8:03	08:07:50	Plugged		4.78	no.2 mgo maint working on it (10/9/2023 08:04 Richard Phelps)
	8:07	08:09:45	Drop Start Bucket		1.92	
63234045	8:26	08:28:29	Other		2.00	coming out of the pit (10/9/2023 08:31 Richard Phelps)
	8:28	08:30:01	2nd Charge		1.53	
	9:03	09:06:58	Taking Sample TMSD		3.57	waiting on chemistry test (10/9/2023 09:04 Richard Phelps)
	9:11	09:18:40	Tapping		7.56	
63234046	9:18	09:34:05	Gunned Furnace		15.42	
	9:34	09:35:34	Drop Start Bucket		1.48	
	9:51	09:52:45	2nd Charge		1.70	
	10:22	10:22:56	Carbon Boil		0.68	
63234047	10:28	10:31:19	Lance Carbon		2.72	
	10:31	10:32:27	Lance Taphole		1.13	
	10:32	10:39:25	Tapping		6.97	
	10:39	10:51:45	Gunned Furnace		12.33	
63234048	10:51	10:53:04	Drop Start Bucket		1.32	
	11:05	11:05:25			0.03	
	11:08	11:10:37	2nd Charge		1.72	
	11:37	12:06:22	Blank	Caster Running Slow	28.78	caster haven't slagged out yet and has to drain the tundish down (10/9/2023 11:59 Richard Phelps)
63234049	12:13	12:14:07	Carbon Boil		0.83	
	12:15	12:41:50	Blank	Billet Jammed	26.08	hanging up (10/9/2023 12:17 Richard Phelps)
	12:49	12:51:17	Lance Taphole		2.07	
	12:51	12:58:58	Tapping		7.68	
63234050	12:58	13:04:25	1st Charge		5.45	
	13:19	13:21:18	2nd Charge		1.63	
	13:54	13:55:51	Carbon Boil		1.60	
	13:55	14:00:58	Swap to backup ladle		5.12	
63234051	14:05	14:08:42	Lance Taphole		3.03	
	14:08	14:15:31	Tapping		6.82	
	14:15	14:18:50	1st Charge		3.32	
	14:34	14:35:48	2nd Charge		1.65	
63234052	15:07	15:14:26	Other		7.02	ladle getting lanced out (10/9/2023 15:08 Richard Phelps)
	15:18	15:22:45	Recarb		4.00	
	15:22	15:23:46	Lance Taphole		1.02	
	15:23	15:31:26	Tapping		7.67	
63234053	15:31	15:33:26	Pack Tap Hole		2.00	
	15:33	15:40:26	Other		7.00	waiting on chemistry test got an extra 750 pounds of carbide during tap (10/9/2023 15:37 Richard Phelps)
	15:40	15:42:37	Drop Start Bucket		2.18	
	15:58	16:00:37	2nd Charge		1.88	
63234054	16:33	16:37:47	Other		4.27	waiting on C1 sample to see if the heat running is any good. (10/9/2023 16:35 Richard Phelps)
	16:37	16:46:08	Other		8.35	ladle getting lanced out (10/9/2023 16:38 Richard Phelps)
	16:51	16:53:21	Lance Taphole		1.95	
	16:53	17:00:02	Tapping		6.68	
63234055	17:00	17:06:02	Other		6.00	peeling runner before packing it skull fell in front of the taphole (10/9/2023 17:02 Richard Phelps)
	17:06	17:07:12	Pack Tap Hole		1.17	
	17:07	17:09:12	Drop Start Bucket		2.00	
	17:09	17:11:28	Electrode Slip		2.27	Also slipped B and C phase as well. (10/9/2023 17:12 Richard Phelps)
63234056	17:26	17:28:27	2nd Charge		1.62	
	17:58	17:58:59	Carbon Boil		0.65	
	18:04	18:07:09	Lance Taphole		2.17	
	18:07	18:14:10	Tapping		7.02	
63234057	18:14	18:18:03	1st Charge		3.88	
	18:26	18:26:28	Other		0.02	
	18:33	18:34:51	2nd Charge		1.63	
	19:01	19:08:22	Other		7.23	came off the caster late (10/9/2023 19:02 Richard Phelps)
63234058	19:15	19:15:56	Carbon Boil		0.88	
	19:21	19:28:37	Tapping		7.47	
	19:28	19:33:03	1st Charge		4.43	
	19:36	19:42:25	Add Electrode		6.30	1643s...1646b. 1641a (10/9/2023 19:44 Richard Phelps)
63234059	19:54	19:56:37	2nd Charge		1.78	
	20:29	20:33:36	Push Door		3.78	
	20:34	20:40:44	Tapping		6.07	
	20:40	20:44:35	1st Charge		3.85	
63234060	20:59	21:01:05	2nd Charge		1.75	
	21:09	21:21:17	Changing Stir Rod		12.22	new stir rod (10/9/2023 21:10 Richard Phelps) (10/9/2023 21:11 Ben Gearin)
	21:45	21:53:44	Tapping		8.08	
	21:53	21:56:52	1st Charge		3.13	
63234061	22:12	22:13:53	2nd Charge		1.70	
	22:46	22:53:04	Tapping		6.12	
	22:53	22:57:28	1st Charge		4.40	
	23:00	23:04:03	Add Electrode		4.03	
63234062	23:16	23:18:08	2nd Charge		1.70	
	23:50	23:51:42	Take Temperature		0.73	
	23:53	23:59:38	Tapping		6.43	
	23:59	00:04:16	1st Charge		4.63	
63234063	0:19	00:21:02	2nd Charge		1.75	
	0:56	01:02:01	Tapping		5.63	
	1:02	01:05:04	1st Charge		3.05	
	1:20	01:22:02	2nd Charge		1.70	
63234064	1:55	02:02:51	Tapping		7.02	
	2:02	02:05:50	1st Charge		2.98	
	2:21	02:23:19	2nd Charge		1.75	
	2:55	02:55:42	Carbon Boil		0.70	
63234065	2:59	03:06:32	Tapping		7.02	
	3:06	03:11:01	1st Charge		4.48	
	3:26	03:27:56	2nd Charge		1.70	
	3:59	03:59:57	Carbon Boil		0.87	
63234066	4:03	04:09:42	Tapping		6.12	
	4:09	04:12:57	1st Charge		3.25	
	4:28	04:29:43	2nd Charge		1.63	
	4:53	05:05:40	Plate Charge		12.37	
63234067	5:17	05:24:53	Tapping		7.07	
	5:24	05:27:53	1st Charge		3.00	
	5:27	05:41:39	Gunned Furnace		13.77	
	5:53	05:53:54			0.02	
63234068	5:57	06:00:14	2nd Charge		2.88	
	6:33	06:34:44			1.25	
	6:37	06:46:45	Tapping		9.27	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/10/2023

heat	start time	end time	obser	reason	duration	note
63234062	10/10	06:50:50	1st Charge		4.08	
	10/10	07:08:07	2nd Charge		1.68	
	10/10	07:46:29	Swap to backup ladle		9.35	
	10/10	07:56:07	Lance Taphole		2.72	
	10/10	08:04:07	Tapping		8.00	
63234063	10/10	08:08:31	1st Charge		4.40	
	10/10	08:09:22	Electrode Slip		0.85	Backslip. (10/10/2023 08:10 Richard Phelps)
	10/10	08:20:40	Add Electrode		7.83	Swapping A phase into B phase. Putting new stick in A phase. Electrode number 1645. (10/10/2023 08:22 Richard Phelps)
	10/10	08:33:54	2nd Charge		1.57	
	10/10	09:11:13	Lance Taphole		2.38	
63234064	10/10	09:18:21	Tapping		7.13	
	10/10	09:21:23	1st Charge		3.03	
	10/10	09:37:26	2nd Charge		1.65	
	10/10	10:11:52	Other		5.68	Cleaning stir plug. (10/10/2023 10:07 Richard Phelps)
	10/10	10:21:22	Lance Taphole		2.50	
63234065	10/10	10:27:58	Tapping		6.60	
	10/10	10:32:11	1st Charge		4.22	
	10/10	10:49:10	2nd Charge		2.65	
	10/10	11:26:12	Other		5.90	Chain covered in slag, can't get it free. (10/10/2023 11:23 Richard Phelps)
	10/10	11:30:55	Lance Taphole		1.72	
63234066	10/10	11:33:24	Lance Taphole		1.48	
	10/10	11:40:05	Tapping		6.68	
	10/10	11:45:17	Plugged		5.20	
	10/10	11:48:03	Other		2.77	Switched to Argon. Ladle tender was trying to stir with Nitrogen. (10/10/2023 11:57 Richard Phelps) (10/10/2023 11:58 Richard Phelps)
	10/10	12:06:17	2nd Charge		2.10	
63234067	10/10	12:34:59	Carbon Boil		1.67	
	10/10	12:39:59	Take Temperature		0.97	
	10/10	12:50:41	Tapping		7.40	
	10/10	13:29:47	Gunned Furnace		39.10	No banks left in furnace. Poor job on down day with gunning furnace is a direct result of long gunning delay and burner profiles being adjusted causing high ppm. (10/10/2023 13:24 Richard Phelps)
	10/10	13:32:47	1st Charge		3.00	
63234068	10/10	13:49:36	2nd Charge		1.80	
	10/10	13:53:55	Mag Bezel Ring	Excessive Build-Up	4.32	
	10/10	14:22:41	Other		0.82	Stuck (10/10/2023 14:37 Richard Phelps)
	10/10	14:30:25	Take Temperature		1.43	
	10/10	14:37:46	Lance Taphole		4.30	
63234069	10/10	14:44:09	Tapping		6.38	
	10/10	14:48:04	1st Charge		3.92	
	10/10	15:01:59	Electrodes Moving Slow		0.03	
	10/10	15:07:14	2nd Charge		2.08	
	10/10	15:38:28	Gunned Runner		7.08	Gun runner after peeling. Gun empty had to put bag up and fill. (10/10/2023 15:35 Richard Phelps)
63234070	10/10	15:47:09	Take Temperature		0.22	
	10/10	15:49:50	Lance Taphole		1.65	
	10/10	15:55:25	Tapping		5.58	
	10/10	16:00:33	1st Charge		5.13	
	10/10	16:18:14	2nd Charge		2.12	
63234071	10/10	16:51:56	Raking tap hole		1.27	
	10/10	16:52:10	Lance Taphole		0.23	
	10/10	16:58:16	Tapping		6.10	
	10/10	17:02:16	1st Charge		4.00	
	10/10	17:21:02	2nd Charge		2.18	
63234072	10/10	17:55:15	Blank	Strand Started Late	7.13	
	10/10	18:03:38	Lance Carbon		1.48	
	10/10	18:04:30	Lance Taphole		0.87	
	10/10	18:10:19	Tapping		5.82	
	10/10	18:14:44	1st Charge		4.42	
63234073	10/10	18:32:08	2nd Charge		2.07	
	10/10	19:16:18	Carbon Boil		8.62	
	10/10	19:20:36	1st Charge		4.30	
	10/10	19:38:25	2nd Charge		1.72	
	10/10	20:10:32	Plate Charge		7.05	
63234074	10/10	20:31:31	Carbon Boil		10.48	
	10/10	20:35:51	1st Charge		4.33	
	10/10	20:44:42	Add Electrode		6.30	s1644....a1645...b1643 (10/10/2023 20:45 Richard Phelps)
	10/10	20:59:12	2nd Charge		1.67	
	10/10	21:28:33	Carbon Boil		0.83	
63234075	10/10	21:40:40	Tapping		7.45	
	10/10	21:44:29	1st Charge		3.82	
	10/10	22:01:50	2nd Charge		1.72	
	10/10	22:16:42	Break down		9.67	change stir rod (10/10/2023 22:07 Richard Phelps)
	10/10	22:51:39	Tapping		8.23	
63234076	10/10	22:55:32	1st Charge		3.88	
	10/10	23:12:07	2nd Charge		1.68	
	10/10	23:42:03	Plate Charge		5.55	
	10/10	23:52:05	Tapping		1.40	
	10/10	23:58:11	Tapping		5.75	
63234077	10/10	00:02:18	1st Charge		4.12	
	10/11	00:09:27	Add Electrode		4.12	1647s....c1644 (10/11/2023 00:07 Richard Phelps)
	10/11	00:24:11	2nd Charge		2.00	
	10/11	00:51:41	Carbon Boil		0.67	
	10/11	01:03:33	Tapping		6.62	
63234078	10/11	01:06:32	1st Charge		2.98	
	10/11	01:23:22	2nd Charge		1.72	
	10/11	01:54:10	Carbon Boil		1.05	
	10/11	02:06:43	Tapping		8.77	
	10/11	02:10:20	1st Charge		3.62	
63234079	10/11	02:27:06	2nd Charge		1.72	
	10/11	02:57:46	Carbon Boil		0.93	
	10/11	03:08:07	Tapping		6.78	
	10/11	03:11:07	1st Charge		3.00	
	10/11	03:28:12	2nd Charge		1.63	
63234080	10/11	03:56:08	Swap to backup ladle		4.77	
	10/11	04:06:19			0.48	
	10/11	04:08:21			0.57	
	10/11	04:16:23	Tapping		6.45	
	10/11	04:20:48	1st Charge		4.42	
63234081	10/11	04:37:16	2nd Charge		1.63	
	10/11	05:06:33	Carbon Boil		1.15	
	10/11	05:18:48	Tapping		6.72	
	10/11	05:22:43	1st Charge		3.92	
	10/11	05:28:59			0.00	
	10/11	05:40:01	2nd Charge		1.70	
	10/11	06:10:26	Carbon Boil		1.12	
	10/11	06:22:22	Tapping		6.87	
					250.00	70%
					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/11/2023

heat	start_time	end_time	obser	reason	duration	note
63234082	6:22	07:31:32	1st Charge		69.17	
	7:47	07:49:13	2nd Charge		1.87	
	8:25	08:29:40	Lance Carbon		3.85	
	8:29	08:40:09	Lab-Sample		10.48	
63234083	8:45	08:50:46	Tapping		5.68	
	8:50	08:55:30	1st Charge		4.73	
	9:11	09:13:21	2nd Charge		1.75	
	9:46	09:53:16	Lab-Sample		6.78	
	9:56	09:57:42	Lance Taphole		1.55	
63234084	9:57	10:03:48	Tapping		6.10	
	10:03	10:10:13	Lab-Sample		6.42	Shows an extra 250lbs of carbide went in on its own during tap. Waiting to see if sample is good before charging back. (10/11/2023 10:07 Richard Phelps)
	10:10	10:13:13	1st Charge		3.00	
	10:29	10:30:42	2nd Charge		1.68	
	11:05	11:06:59	Lance Carbon		1.97	
	11:06	11:12:09	Lab-Sample		5.17	
	11:14	11:16:07	Raking tap hole		1.35	
	11:16	11:22:02	Tapping		5.92	
	11:22	11:25:33	Plugged		3.52	
	11:25	11:27:41	Drop Start Bucket		2.13	
63234085	11:38	11:38:17			0.00	
	11:44	11:46:18	Other		1.40	Casters close to slagging out. Decided to send ladle up first to make pig while running til time to drop 2nd charge. (10/11/2023 11:48 Richard Phelps)
	11:46	11:47:29	2nd Charge		1.18	
	12:14	12:15:43	Carbon Boil		0.98	
	12:19	12:26:02	Lab-Sample		6.68	
	12:27	12:29:05	Raking tap hole		1.45	
	12:29	12:35:00	Tapping		5.92	
	12:35	12:37:00	Pack Tap Hole		2.00	
	12:37	12:56:06	Gunned Furnace		19.10	No banks, sections been missing on sleeve. Needed gunning to not lose any more sections. Bricks almost showing under slag line. (10/11/2023 12:55 Richard Phelps)
	12:56	12:57:29	Drop Start Bucket		1.38	
63234086	13:13	13:14:56	2nd Charge		1.68	
	13:49	13:51:53	Lab-Sample		2.43	
	13:55	13:55:51	Take Temperature		0.48	
	13:57	14:03:49	Tapping		6.40	
	14:03	14:07:25	1st Charge		3.60	
	14:07	14:08:34	Fill Taphole Hopper		1.15	
	14:24	14:25:46	2nd Charge		1.75	
	14:58	15:03:04	Take Temperature		4.27	Temp would not read. Bottom low (10/11/2023 15:07 Richard Phelps)
	15:05	15:08:38	Lab-Sample		2.97	
	15:10	15:13:38	Lab-Sample		3.07	
63234087	15:14	15:21:20	Tapping		7.05	
	15:21	15:25:16	1st Charge		3.93	
	15:42	15:44:44	2nd Charge		1.90	
	16:15	16:16:25	Carbon Boil		0.80	
	16:21	16:23:58	Lab-Sample		2.83	
	16:23	16:24:47	Take Temperature		0.82	
	16:24	16:26:17	Raking tap hole		1.50	
	16:26	16:31:20	Tapping		5.05	
	16:31	16:34:20	1st Charge		3.00	
	16:34	16:35:50	Electrode Slip		1.50	Backslip (10/11/2023 16:36 Richard Phelps)
63234088	16:37	16:45:53	Add Electrode		8.00	Swapped C phase into B phase and added offline electrode in C phase. Electrode # 1648 (10/11/2023 16:57 Richard Phelps)
	17:00	17:02:08	2nd Charge		1.73	
	17:36	17:39:19	Lab-Sample		2.73	
	17:39	17:40:47	Raking tap hole		0.97	
	17:40	17:46:43	Tapping		5.93	
	17:46	17:49:19	Plugged		2.60	
	17:49	17:51:03	Drop Start Bucket		1.73	
	18:06	18:08:20	2nd Charge		1.63	
	18:44	18:49:10	Other		4.55	Swapping crane operators. (10/11/2023 18:49 Richard Phelps)
	18:49	18:54:11	Tapping		5.02	
63234089	18:54	18:58:17	1st Charge		4.10	
	19:14	19:16:14	2nd Charge		1.77	
	19:37	20:27:41	Pourback	Chemistry	50.62	
	20:40	20:42:02	Pourback	Chemistry	1.63	
	20:48	20:57:29	Tapping		9.08	
	20:57	21:15:55	1st Charge		18.43	
	21:21	21:46:59	Pourback	Other	25.32	Added Si rock instead of chrome(10/11/2023 22:47 Richard Phelps) (10/12/2023 08:35 Staley,Eric)
	21:50	22:02:24	Taking Sample TMSD		12.03	lanceing chrome and carbon out the laddle (10/11/2023 22:48 Richard Phelps)
	22:07	22:08:09	Other		0.58	
	22:18	22:20:01	2nd Charge		1.77	
63234090	22:43	23:02:03	Other		18.27	came off caster late (10/11/2023 22:45 Richard Phelps)
	23:11	23:14:11			3.12	
	23:17	23:18:40	Carbon Boil		1.62	
	23:20	23:26:25	Tapping		6.22	
	23:26	23:31:19	1st Charge		4.90	
	23:50	23:51:54	2nd Charge		1.83	
	0:23	00:25:24	Carbon Boil		1.85	
	0:27	00:36:15	Tapping		9.25	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/12/2023

heat	start_time	end_time	obser	reason	duration	note
63234095	10/12	19:55:41	Downday		1159.43	
	10/12	20:16:32	2nd Charge		2.83	
	10/12	20:21:48	Cold Furnace Start Up		5.27	
	10/12	20:42:27	Cold Furnace Start Up		5.32	
	10/12	20:59:04	Cold Furnace Start Up		5.47	
	10/12	21:08:46	Cold Furnace Start Up		2.73	
	10/12	21:10:30	Lance Carbon		1.73	56 Carbon (10/12/2023 21:09 Richard Phelps)
	10/12	21:13:33	Carbon Boil		2.47	
	10/12	21:25:39	Cold Furnace Start Up		7.45	
	10/12	21:39:29	Tapping		8.52	
63234096	10/12	21:42:49	1st Charge		3.33	
	10/12	22:00:20	2nd Charge		1.78	
	10/12	22:36:57	Crane Busy		2.58	
	10/12	22:40:06	Take Temperature		1.15	
	10/12	22:46:09	Lance Taphole		5.13	
	10/12	22:53:36	Tapping		7.45	
63234097	10/12	22:57:05	1st Charge		3.48	
	10/12	23:03:10	Add Electrode		3.97	1623 Spare (10/12/2023 23:00 Richard Phelps)
	10/12	23:17:46	2nd Charge		1.55	
	10/12	23:52:15	Break Out	Hanger	5.65	Strand 2.Strand 1 torch hoses caught fire maint are replacing them. 2 strand caster (10/12/2023 23:58 Richard Phelps)
	10/13	00:05:12	Lance Taphole		3.80	
	10/13	00:11:50	Tapping		6.63	
63234098	10/13	00:14:54	1st Charge		3.07	
	10/13	01:01:13	Breakdown		30.57	Bar will not move. Called maint and E-Tech to look at it. Started #1 up and broke out 2 strand caster. (10/13/2023 00:39 Richard Phelps)
	10/13	01:16:00	Pourback	Low Temperature	2.53	2 strand caster, trouble with strand 2 starter bar, break out on strand 1. (10/13/2023 01:18 Richard Phelps) Poured 10 tons back in furnace and poured out 10 tons in hot pit, (10/13/2023 01:26 Richard Phelps)
	10/13	02:02:37	Break Out		30.22	Strand 2. Rmoving shell from mold on strand 1. (10/13/2023 01:38 Richard Phelps)
	10/13	02:20:20	Lance Taphole		7.42	Trouble with torch (10/13/2023 02:21 Richard Phelps)
	10/13	02:27:30	Tapping		7.17	
63234099	10/13	02:30:42	1st Charge		3.20	
	10/13	02:49:30	2nd Charge		2.72	
	10/13	03:33:33	Tapping		8.25	
63234100	10/13	03:37:28	1st Charge		3.92	
	10/13	03:54:11	2nd Charge		1.67	
	10/13	04:28:26	Carbon Boil		0.57	
	10/13	04:42:41	Tapping		9.53	
63234101	10/13	04:45:14	1st Charge		2.55	
	10/13	05:01:41	2nd Charge		1.60	
	10/13	05:51:07	Tapping		9.70	
63234102	10/13	05:53:48	1st Charge		2.68	
	10/13	06:04:28			0.00	
	10/13	06:10:37	2nd Charge		1.73	
	10/13	06:59:07	Tapping		10.40	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/13/2023

heat	start time	end time	obser	reason	duration	note
63234103	6:59	07:02:00	1st Charge		2.88	
	7:17	07:19:19	2nd Charge		1.52	
	7:49	08:01:05	Plate Change		11.62	Went to change plates and both hydraulic pullers stopped working. (10/13/2023 07:56 Richard Phelps)
	8:08	08:09:52	Lance Carbon		1.50	
	8:09	08:12:40	Lance Taphole		2.80	
	8:12	08:19:13	Tapping		6.55	
63234104	8:19	08:22:13	1st Charge		3.00	
	8:22	08:22:43	Electrode Slip		0.50	
	8:22	08:23:25	Electrode Slip		0.70	
	8:23	08:24:01	Electrode Slip		0.60	
	8:40	08:41:43	2nd Charge		1.47	
	9:16	09:17:48	Lance Taphole		1.07	
	9:17	09:25:01	Tapping		7.22	
63234105	9:25	09:27:49	1st Charge		2.80	
	9:43	09:44:39	2nd Charge		1.47	
	10:17	10:18:43	Push Door		1.33	
	10:20	10:22:55	Lance Taphole		2.35	
	10:22	10:29:53	Tapping		6.97	
63234106	10:29	10:32:53	1st Charge		3.00	
	10:32	10:35:53	Plugged		3.00	
	10:51	10:53:10	2nd Charge		1.47	
	11:26	11:27:31	Take Temperature		0.68	
	11:27	11:31:02	Lance Taphole		3.42	
	11:31	11:38:00	Tapping		6.97	
63234107	11:38	11:41:01	1st Charge		3.02	
	11:57	11:59:01	2nd Charge		1.63	
	12:28	12:33:00	Blank	Strand Started Late	4.42	
	12:38	12:46:41	Tapping		7.93	
63234108	12:46	12:49:41	1st Charge		3.00	
	12:49	12:50:00	Electrode Slip		0.32	
	12:50	12:50:20	Electrode Slip		0.33	
	13:04	13:06:11	2nd Charge		1.50	
	13:06	13:07:32	Other		1.35	put fire out east side (10/13/2023 13:09 Richard Phelps)
	13:07	13:08:01	Mash With Bucket	Big Scrap on Top	0.48	
	13:42	13:45:21	Lance Taphole		2.50	
	13:45	13:53:36	Tapping		8.25	
63234109	13:53	13:56:36	1st Charge		3.00	
	13:56	14:06:29	Hose		9.88	changed hose (10/13/2023 13:57 Richard Phelps)
	14:17	14:19:02	Break down		1.83	
	14:24	14:25:47	2nd Charge		1.50	
	14:25	14:26:52	Mash With Bucket	Big Scrap on Top	1.08	
	14:59	15:07:27	Take Temperature		7.58	
	15:07	15:14:33	Tapping		7.10	
	15:14	15:17:33	1st Charge		3.00	
63234110	15:17	15:17:59	Electrode Slip		0.43	
	15:34	15:36:22	2nd Charge		1.52	
	16:02	16:08:51	Cleaning Ladle Lip		6.63	
	16:14	16:15:51	Take Temperature		1.55	
	16:15	16:22:45	Tapping		6.90	
	16:22	16:25:45	1st Charge		3.00	
63234111	16:25	16:26:33	Electrode Slip		0.80	backslip (10/13/2023 16:27 Richard Phelps)
	16:30	16:34:26	Add Electrode		4.43	1625 (10/13/2023 16:32 Richard Phelps)
	16:48	16:49:55	2nd Charge		1.47	
	17:13	17:18:05	Plate Change		4.83	
	17:22	17:23:14	Carbon Boli		1.00	
	17:26	17:27:15	Push Door		1.07	
	17:29	17:31:39	Lance Taphole		2.60	
	17:31	17:38:25	Tapping		6.77	
	17:38	17:41:25	1st Charge		3.00	
	17:41	17:41:58	Electrode Slip		0.55	
63234112	17:41	17:42:33	Electrode Slip		0.58	
	17:58	17:59:48	2nd Charge		1.42	
	18:31	18:34:56	Lance Taphole		2.98	
	18:34	18:41:28	Tapping		6.50	
	18:41	18:44:28	1st Charge		3.03	
	19:00	19:02:01	2nd Charge		1.57	
63234113	19:30	19:31:15	Carbon Boli		0.72	
	19:34	19:37:56	Lance Taphole		3.00	
	19:37	19:44:02	Tapping		6.10	
	19:44	19:46:48	1st Charge		2.77	
	20:02	20:04:06	2nd Charge		1.65	
63234114	20:35	20:37:48	Lance Taphole		2.30	
	20:37	20:43:58	Tapping		6.17	
	20:43	20:47:39	1st Charge		3.68	
	20:50	20:54:54	Add Electrode		4.05	1624 (10/13/2023 20:52 Tim MacLin)
	21:07	21:08:40	2nd Charge		1.63	
63234115	21:38	21:39:52	Lance Taphole		1.13	
	21:40	21:45:49	Tapping		5.07	
	21:45	21:50:02	1st Charge		4.22	
	21:52	21:56:22	Add Electrode		4.03	1628 (10/13/2023 21:53 Tim MacLin)
	22:09	22:10:35	2nd Charge		1.48	
	22:41	22:44:08	Lance Taphole		3.00	
63234116	22:44	22:49:48	Tapping		5.67	
	22:49	22:52:21	1st Charge		2.55	
	23:07	23:08:48	2nd Charge		1.53	
	23:41	23:43:04	Lance Taphole		1.70	
63234117	23:43	23:49:04	Tapping		6.00	
	23:49	23:51:44	1st Charge		2.67	
	0:06	00:07:56	2nd Charge		1.52	
	0:36	00:37:04	Carbon Boli		0.43	
	0:41	00:43:10	Lance Taphole		2.00	
63234118	0:43	00:48:55	Tapping		5.75	
	0:48	00:52:02	1st Charge		3.12	
	1:05	01:07:25	2nd Charge		1.48	
	1:39	01:43:01	Plate Change		4.02	
	1:44	01:46:07	Plate Change		1.85	
63234119	1:46	01:52:17	Tapping		6.17	
	1:52	01:55:01	1st Charge		2.73	
	2:08	02:09:59	2nd Charge		1.40	
	2:41	02:43:24	Lance Taphole		2.20	
63234120	2:43	02:49:14	Tapping		5.83	
	2:49	02:52:46	1st Charge		3.53	
	3:05	03:07:24	2nd Charge		1.70	
	3:40	03:42:05	Lance Taphole		1.88	
	3:42	03:48:13	Tapping		6.13	
63234121	3:48	03:50:49	1st Charge		2.60	
	4:04	04:05:54	2nd Charge		1.63	
	4:41	04:44:07	Swap to backup ladle		3.00	
	4:44	04:51:00	Tapping		6.88	
	4:51	04:53:11	1st Charge		2.18	
63234122	5:06	05:08:31	2nd Charge		1.62	
	5:40	05:41:41	Lance Taphole		1.15	
	5:41	05:47:47	Tapping		6.10	
	5:47	05:50:42	1st Charge		2.92	
63234123	6:03	06:05:28	2nd Charge		1.57	
	6:37	06:39:02	Take Temperature		1.30	
	6:39	06:45:16	Tapping		6.23	
					Days	250.00
					Nights	250.00
						70%
						70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/14/2023

heat	start time	end time	obser	reason	duration	note
63234125	6:45	06:49:18	1st Charge		4.03	
	7:04	07:06:14	2nd Charge		1.83	
	7:29	07:37:21			7.85	
	7:46	07:49:13	Lance Taphole		2.98	
	7:49	07:56:28	Tapping		7.25	
63234126	7:56	08:00:01	1st Charge		3.55	
	8:14	08:16:27	2nd Charge		1.92	
	8:46	08:55:22	Other		8.70	catfish pole replaced (10/14/2023 08:49 Tim Maclin)
	8:58	08:58:51	Take Temperature		0.30	
	8:59	09:01:36	Lance Taphole		1.83	
63234127	9:01	09:08:11	Tapping		6.58	
	9:08	09:11:29	1st Charge		3.30	
	9:25	09:27:28	2nd Charge		1.97	
	9:52	09:58:25	Swap to backup ladle		6.13	
	10:01	10:25:36	J hook		24.07	skull on ladle couldn't stand ladle up (10/14/2023 10:41 Tim Maclin)
63234128	10:33	10:35:58	Lance Taphole		2.05	
	10:35	10:42:38	Tapping		6.67	
	10:42	10:45:49	1st Charge		3.18	
	10:59	11:01:23	2nd Charge		1.42	
	11:35	11:37:27	Lance Taphole		1.85	
63234129	11:37	11:43:50	Tapping		6.38	
	11:43	11:47:30	1st Charge		3.67	
	12:00	12:03:03	2nd Charge		2.27	
	12:08	12:08:50			0.00	
	12:27	12:38:15	J hook		11.20	
63234130	12:43	12:44:01	Carbon Boil		1.00	
	12:50	12:52:15	Lance Taphole		2.00	
	12:52	12:59:51	Tapping		7.60	
	12:59	13:03:06	1st Charge		3.25	
	13:17	13:18:31	2nd Charge		1.47	
63234131	13:47	13:49:04	Carbon Boil		1.18	
	13:52	13:55:59	Lance Taphole		3.33	
	13:55	14:02:48	Tapping		6.82	
	14:02	14:05:48	1st Charge		3.00	
	14:05	14:29:49	Gunned Furnace		24.02	
63234132	14:38	14:39:06	Breakdown	Other	0.72	wouldn't come down (10/14/2023 14:45 Tim Maclin)
	14:39	14:42:21	Breakdown	Other	3.10	wouldn't come down (10/14/2023 14:44 Tim Maclin)
	14:48	14:49:45	2nd Charge		1.67	
	15:22	15:24:10	Lance Taphole		1.28	
	15:24	15:29:46	Tapping		5.60	
63234133	15:29	15:33:13	1st Charge		3.45	
	15:47	15:49:46	2nd Charge		2.15	
	16:20	16:21:34	Carbon Boil		1.10	
	16:24	16:25:28	Lance Carbon		1.15	
	16:25	16:32:39	Tapping		7.18	
63234134	16:32	16:35:39	1st Charge		3.00	
	16:35	16:38:16	Fill Taphole Hopper		2.62	
	16:52	16:54:49	2nd Charge		1.97	
	17:18	17:34:08	Blank	Strand Started Late	5.27	
	17:31	17:33:50	Push Door		2.13	
63234135	17:37	17:39:12	Take Temperature		2.13	
	17:39	17:46:09	Tapping		6.95	
	17:46	17:49:09	1st Charge		3.00	
	17:49	17:50:46	Electrode Slip		1.62	slipped all (10/14/2023 17:51 Tim Maclin)
	18:05	18:07:40	2nd Charge		2.13	
63234136	18:37	18:38:41	Carbon Boil		1.12	
	18:42	18:43:32	Lance Carbon		1.30	
	18:43	18:49:51	Tapping		6.32	
	18:49	18:52:47	1st Charge		2.93	
	19:06	19:08:16	2nd Charge		1.53	
63234137	19:38	19:39:06	Carbon Boil		1.03	
	19:44	19:45:55	Lance Carbon		1.73	
	19:45	19:52:22	Tapping		6.45	
	19:52	19:54:55	1st Charge		2.55	
	20:08	20:10:13	2nd Charge		1.67	
63234138	20:42	20:42:52	Carbon Boil		0.83	
	20:42	20:47:56	Lance Taphole		4.97	
	20:47	20:53:29			5.55	
	20:53	20:56:29	1st Charge		3.00	
	20:56	20:57:29	Electrode Slip		1.00	
63234139	20:57	20:58:08	Electrode Slip		0.65	
	20:59	21:04:03	Add Electrode		4.10	s1627 (10/14/2023 21:00 Tim Maclin)
	21:15	21:15:18	Electrodes Moving Slow		0.02	
	21:16	21:17:43	2nd Charge		1.57	
	21:49	21:51:44	Lance Carbon		2.38	
63234140	21:52	21:58:45	Tapping		6.45	
	21:58	22:01:45	1st Charge		3.00	
	22:01	22:05:27	Pack Tap Hole		3.70	
	22:18	22:20:35	2nd Charge		1.70	
	22:54	22:56:08	Carbon Boil		1.20	
63234141	22:56	22:57:11			1.05	
	22:58	23:04:53	Tapping		6.23	
	23:04	23:07:53	1st Charge		3.00	
	23:07	23:08:21	Electrode Slip		0.47	
	23:21	23:22:44	2nd Charge		1.63	
63234142	23:58	00:02:59	Tapping		6.53	
	0:02	00:05:59	1st Charge		3.00	
	0:05	00:07:05	Electrode Slip		1.10	
	0:09	00:14:02	Add Electrode		4.40	s1630 (10/15/2023 00:10 Tim Maclin)
	0:24	00:26:07	2nd Charge		1.47	
63234143	1:00	01:06:40	Tapping		6.52	
	1:06	01:09:38	1st Charge		2.97	
	1:22	01:24:24	2nd Charge		1.85	
	1:55	01:57:54	Push Door		2.65	door stuck (10/15/2023 01:55 Tim Maclin)
	2:01	02:02:16	Carbon Boil		1.17	
63234144	2:03	02:10:34	Tapping		7.02	
	2:10	02:13:04	1st Charge		2.50	
	2:25	02:27:07	2nd Charge		1.48	
	3:01	03:03:21	Lance Carbon		1.93	
	3:03	03:09:33	Tapping		6.20	
63234145	3:09	03:12:41	1st Charge		3.13	
	3:26	03:27:50	2nd Charge		1.63	
	4:01	04:07:43	Tapping		6.50	
	4:07	04:10:43	1st Charge		3.00	
	4:10	04:12:13	Electrode Slip		1.50	
63234146	4:12	04:12:47	Electrode Slip		0.57	
	4:14	04:19:09	Add Electrode		4.58	s1629 (10/15/2023 04:15 Tim Maclin)
	4:29	04:32:03	2nd Charge		2.15	
	5:06	05:08:49	Recarb		2.72	
	5:08	05:14:47	Tapping		5.97	
63234147	5:14	05:18:00	1st Charge		3.22	
	5:31	05:32:55	2nd Charge		1.50	
	5:32	05:35:18	Mash With Bucket	Excessive Build-Up	2.38	
	6:05	06:11:34	Swap to backup ladle		5.72	ladle crane stuck on ladle (10/15/2023 06:09 Tim Maclin)
	6:18	06:20:32	Lance Taphole		2.42	
63234148	6:20	06:26:54	Tapping		6.37	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/15/2023

heat	start time	end time	obser	reason	duration	note
63234146	6:26	06:29:54	1st Charge		3.00	
	6:29	06:31:06	Fill Taphole Hopper		1.20	
	6:45	06:46:47	2nd Charge		1.73	
	7:19	07:21:59	Lance Taphole		2.89	
	7:21	07:27:38	Tapping		5.65	
63234147	7:27	07:30:45	1st Charge		3.12	
	7:45	07:46:51	2nd Charge		1.58	
	8:13	08:20:00	Cleaning Ladle Lip		6.70	
	8:25	08:27:07	Carbon Boil		1.25	
	8:28	08:29:50	Lance Taphole		1.63	
63234148	8:29	08:36:31	Tapping		6.68	
	8:36	08:39:30	1st Charge		2.98	
	8:54	08:56:04	2nd Charge		1.53	
	9:28	09:30:38	Lance Taphole		2.37	
	9:30	09:36:45	Tapping		6.12	
63234149	9:36	09:39:36	1st Charge		2.85	
	9:53	09:55:09	2nd Charge		1.43	
	10:23	10:28:28	Cleaning Ladle Lip		4.82	
	10:32	10:35:28	Lance Carbon		3.00	
	10:35	10:36:53	Lance Taphole		1.42	
	10:36	10:43:15	Tapping		6.37	
63234150	10:43	11:32:50	Tundish Change Only		49.58	gunned furnace (10/15/2023 11:18 Tim MacLin) (10/15/2023 11:18 Tim MacLin)
	11:47	11:48:41	2nd Charge		1.45	
	12:13	12:32:36	Tundish Change Only		18.78	
	12:46	12:49:55	Lance Taphole		3.72	
	12:49	12:57:08	Tapping		7.22	
63234151	12:57	13:00:01	1st Charge		2.88	
	13:14	13:16:10	2nd Charge		1.50	
	13:42	13:44:12	Take Temperature		2.05	pipe wouldn't move (10/15/2023 13:43 Tim MacLin)
	13:53	13:54:44	Lance Taphole		1.12	
	13:54	13:55:47	Lance Taphole		1.05	
63234152	13:55	14:02:55	Tapping		7.13	
	14:02	14:05:51	1st Charge		2.93	
	14:20	14:21:38	2nd Charge		1.47	
	14:50	14:58:23			8.37	sand pipe not working (10/15/2023 14:52 Tim MacLin)
	15:04	15:09:40	Lance Taphole		5.13	
63234153	15:09	15:15:21	Tapping		5.68	
	15:15	15:18:21	1st Charge		3.00	
	15:18	15:18:51	Electrode Slip		0.50	
	15:18	15:19:19	Electrode Slip		0.47	
	15:33	15:35:24	2nd Charge		1.62	
63234154	16:09	16:10:52	Lance Taphole		1.65	
	16:10	16:17:39	Tapping		6.78	
	16:17	16:20:39	1st Charge		3.00	
	16:20	16:21:09	Plugged		0.50	
	16:21	16:21:42	Electrode Slip		0.55	
63234155	16:21	16:22:15	Electrode Slip		0.55	
	16:36	16:37:58	2nd Charge		1.40	
	17:09	17:10:28	Carbon Boil		1.37	
	17:13	17:13:52	Lance Taphole		0.78	
	17:13	17:20:15	Tapping		6.38	
63234156	17:20	17:23:15	1st Charge		3.00	
	17:23	17:28:49	Breakdown		5.57	
	17:43	17:45:27	2nd Charge		1.50	
	17:45	17:47:31	Mash With Bucket	Big Scrap on Top	2.07	
	18:22	18:30:44	Tapping		8.05	
63234156	18:30	18:33:44	1st Charge		3.00	
	18:33	18:35:20	Breakdown		1.60	
	18:48	18:50:35	2nd Charge		1.75	
	19:23	19:24:34	Recarb		1.50	
	19:24	19:31:18	Tapping		6.73	
63234157	19:31	19:34:18	1st Charge		3.00	
	19:34	19:34:48	Electrode Slip		0.50	
	19:34	19:35:48	Electrode Slip		1.00	
	19:35	19:36:20	Electrode Slip		0.53	
	19:45	19:45:11	Electrodes Moving Slow		0.02	
63234158	19:51	19:53:14	2nd Charge		1.50	
	19:53	20:13:01	Breakdown		19.78	60 ton limit switch fell (10/15/2023 19:56 Tim MacLin)
	20:47	20:53:31	Tapping		6.45	
	20:53	20:56:31	1st Charge		3.00	
	20:56	21:00:31	Add Electrode		4.00	s1632 (10/15/2023 21:03 Tim MacLin)
63234159	21:00	21:22:13	Breakdown		21.70	putting hose clamp on cable (10/15/2023 21:04 Tim MacLin)
	21:35	21:36:57	2nd Charge		1.50	
	21:36	21:37:55	Mash With Bucket	Excessive Build-Up	0.97	
	22:11	22:11:46	Take Temperature		0.35	
	22:13	22:21:15	Tapping		7.42	
63234160	22:21	22:24:06	1st Charge		2.85	
	22:38	22:39:38	2nd Charge		1.57	
	23:13	23:15:31	Lance Carbon		2.18	
	23:15	23:18:59	Lance Taphole		3.47	
	23:18	23:25:03	Tapping		6.07	
63234161	23:25	23:28:03	1st Charge		3.00	
	23:28	23:29:02	Electrode Slip		0.98	
	23:43	23:45:00	2nd Charge		1.60	
	0:14	00:26:52	Break Out	Other	12.70	breakout strand 3 late slag out (10/16/2023 00:18 Tim MacLin)
	0:30	00:33:03	Breakdown		2.48	
63234162	0:33	00:33:50	Push Door		0.78	cant get temp (10/16/2023 00:33 Tim MacLin)
	0:35	00:36:23	Recarb		1.23	
	0:36	00:39:04	Breakdown		2.68	cant get green light (10/16/2023 00:37 Tim MacLin)
	0:39	00:45:13	Tapping		6.15	
	0:45	00:48:07	1st Charge		2.90	
63234163	1:02	01:04:32	2nd Charge		1.68	
	1:37	01:39:41	Lance Carbon		2.15	
	1:39	01:45:54			6.22	
	1:45	01:48:54	1st Charge		3.00	
	1:48	01:50:08	Electrode Slip		1.23	
63234164	2:04	02:06:05	2nd Charge		1.57	
	2:36	02:41:47	Lance Taphole		3.12	
	2:41	02:47:12	Tapping		5.42	
	2:47	02:50:12	1st Charge		3.00	
	2:50	02:53:40	Plugged		3.47	#2 (10/16/2023 02:51 Tim MacLin)
63234165	3:01	03:01:50	Electrodes Moving Slow		0.02	
	3:08	03:10:15	2nd Charge		1.67	
	3:43	03:45:16	Lance Taphole		2.10	
	3:45	03:52:19	Tapping		7.05	
	3:52	03:55:19	1st Charge		3.00	
63234166	3:55	03:56:11	Electrode Slip		0.87	
	4:11	04:13:15	2nd Charge		1.70	
	4:45	04:52:26			7.40	
	4:52	04:54:11	Lance Taphole		1.75	
	4:54	05:00:13	Tapping		6.03	
63234167	5:00	05:03:13	1st Charge		3.00	
	5:18	05:19:48	2nd Charge		1.73	
	5:53	05:54:38	Recarb		1.43	
	5:54	05:56:38	Lance Taphole		2.00	
	5:56	06:02:58	Tapping		6.33	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/16/2023

heat	start time	end time	obser	reason	duration	note
63234166	6:02	06:05:58	1st Charge		3.00	
	6:05	06:09:58	Add Electrode		4.00	s1632 (10/16/2023 06:10 Tim Maclin)
	6:09	06:38:31	Gunned Furnace		28.55	
	6:38	06:44:31	Tundish Change Only		6.00	
	6:44	08:05:24	Add Electrode		80.88	
	8:22	08:24:34	2nd Charge		2.43	
	8:57	09:00:16	Push Door		2.47	
63234167	9:03	09:11:44	Tapping		8.30	
	9:11	09:15:03	1st Charge		3.32	
	9:30	09:32:15	2nd Charge		1.73	
	10:01	10:02:53	Carbon Boil		1.62	
	10:06	10:14:29	Tapping		7.57	
	10:14	12:11:29	Water Panel	Water Leak	117.00	
	12:27	12:31:20	2nd Charge		3.47	
63234168	13:04	13:06:39	Carbon Boil		1.83	
	13:11	13:19:46	Tapping		8.00	
	13:19	13:26:19	1st Charge		6.55	
	13:27	13:32:01	Add Electrode		4.52	1634s...1631a (10/16/2023 13:29 Tim Maclin)
	13:45	13:47:53	2nd Charge		2.33	
	14:17	14:19:14	Carbon Boil		2.08	
	14:23	14:29:46	Tapping		6.47	
63234170	14:29	14:32:53	1st Charge		3.12	
	14:48	14:50:41	2nd Charge		2.47	
	15:19	15:20:51	Carbon Boil		1.32	
	15:25	15:33:48	Tapping		8.42	
	15:33	15:38:03	1st Charge		4.25	
	15:54	15:56:27	2nd Charge		2.40	
	16:27	16:45:57	Other		18.60	mag not weighing up (10/16/2023 16:41 Tim Maclin)
63234172	16:49	16:59:13	Tapping		9.23	
	16:59	17:03:42	1st Charge		4.48	
	17:18	17:20:38	2nd Charge		1.73	
	17:50	17:52:11	Carbon Boil		1.57	
	17:55	18:01:44	Tapping		6.52	
	18:01	18:05:37	1st Charge		3.88	
	18:21	18:23:24	2nd Charge		2.40	
63234173	18:51	18:53:53			2.13	
	18:59	19:09:14	Tapping		10.17	
	19:09	19:13:46	1st Charge		4.53	
	19:28	19:30:39	2nd Charge		2.12	
	19:56	20:17:32	Trash in the hopper		21.27	
	20:22	20:24:22	Carbon Boil		1.80	
	20:31	20:38:38	Tapping		7.18	
63234175	20:38	22:38:38	Trash in the hopper		120.00	mn hopper had rubber in it stopping any mn form coming out (10/17/2023 00:34 Tim Maclin)
	22:38	00:31:19	Breakdown		112.68	burnt wire going to smart cylinder (10/17/2023 00:36 Tim Maclin)
	0:47	00:49:28	2nd Charge		2.12	
	1:27	01:34:07	Tapping		6.37	
	1:34	01:38:12	1st Charge		4.08	
	1:53	01:55:52	2nd Charge		2.10	
	2:27	02:28:04	Carbon Boil		1.00	
63234176	2:30	02:30:49	Take Temperature		0.77	
	2:31	02:37:53	Tapping		6.33	
	2:37	02:40:52	1st Charge		2.98	
	2:44	02:52:04	Hoses		7.32	gas leak (10/17/2023 04:22 Tim Maclin)
	3:03	03:05:15	2nd Charge		1.55	
	3:37	03:50:23	Tapping		12.60	
	3:50	03:53:23	1st Charge		3.00	
63234178	3:53	03:56:27	Breakdown		3.07	
	4:12	04:13:45	2nd Charge		1.50	
	4:13	04:14:35	Breakdown		0.83	
	4:48	04:55:44	Tapping		7.27	
	4:55	04:58:44	1st Charge		3.00	
	4:58	05:00:20	Electrode Slip		1.60	
	5:15	05:17:31	2nd Charge		1.60	
63234179	5:51	05:52:55			1.63	
	5:53	06:01:57	Tapping		8.13	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/17/2023

heat	start_time	end_time	obser	reason	duration	note
63234180	6:01	06:05:02	1st Charge		3.08	
	6:21	06:23:18	2nd Charge		1.62	
	6:54	06:56:17			1.30	
	6:57	07:04:19	Tapping		6.92	
63234181	7:04	07:08:23	1st Charge		4.07	
	7:11	07:15:31	Add Electrode		3.82	1634c...1636s (10/17/2023 07:16 SMITH, ANTHONY)
	7:27	07:29:28	2nd Charge		1.78	
	7:58	07:59:11	Carbon Boil		0.85	
63234182	8:06	08:14:28	Tapping		8.28	
	8:14	08:17:41	1st Charge		3.22	
	8:33	08:36:59	2nd Charge		3.45	
	9:11	09:17:37	Tapping		5.83	
63234183	9:17	09:21:58	1st Charge		4.35	
	9:22	09:28:11			5.83	
	9:43	09:45:12	2nd Charge		1.87	
	10:15	10:25:52	Tapping		10.53	
63234184	10:25	10:28:54	1st Charge		3.03	
	10:44	10:47:31	2nd Charge		2.98	
	11:17	11:43:09	Swap to backup ladle		26.15	
	11:43	11:46:10	1st Charge		3.02	
63234185	12:02	12:04:00	Carbon Boil		1.80	
	12:33	12:34:39			0.73	
	12:36	12:36:12			0.15	
	12:36	12:43:12	Tapping		6.58	
63234186	12:43	12:47:47	1st Charge		4.58	
	13:03	13:04:50	2nd Charge		1.82	
	13:32	13:38:29	Other		5.78	
	13:40	13:48:47	Tapping		8.40	
63234187	13:48	13:51:42	1st Charge		2.92	
	14:07	14:09:05	2nd Charge		1.77	
	14:38	14:43:26			4.90	
	14:45	14:53:56	Tapping		8.22	
63234188	14:53	14:59:22	1st Charge		5.43	
	15:13	15:15:28	2nd Charge		1.62	
	15:44	15:46:47	Other		2.65	
	15:48	15:55:32	Tapping		6.62	
63234189	15:55	15:58:02	1st Charge		2.50	
	15:58	16:06:04	Gunned Furnace		8.03	
	16:20	16:24:39	2nd Charge		4.20	
	16:25	16:35:53			10.85	
63234190	17:09	17:20:01			10.62	
	17:20	17:21:07			1.08	
	17:36	17:37:54	2nd Charge		1.85	
	18:06	18:07:02			0.58	
63234191	18:10	18:15:37	Tapping		5.60	
	18:15	18:19:03	1st Charge		3.43	
	18:33	18:35:09	2nd Charge		1.70	
	18:57	19:10:02	Blank	Strand Started Late	12.07	
63234192	19:20	19:28:35	Tapping		8.00	
	19:28	19:32:20	1st Charge		3.75	
	19:47	19:49:53	2nd Charge		2.15	
	20:21	20:26:10	Redump Ladle		4.62	
63234193	20:26	20:32:10	Tapping		6.00	
	20:32	20:35:10	1st Charge		3.00	
	20:35	20:36:47	Electrode Slip		1.62	
	20:42	20:47:23	Add Electrode		4.77	s1635 (10/17/2023 20:47 SMITH, ANTHONY)
	20:56	20:58:40	2nd Charge		2.08	
	21:21	21:33:18	Blank	Superheat	11.38	
	21:41	21:41:53	Take Temperature		0.78	
	21:43	21:46:08	Blank	Superheat	3.00	
63234194	21:46	21:52:12	Tapping		6.07	
	21:52	21:56:55	1st Charge		4.72	
	22:11	22:13:23	2nd Charge		1.62	
	22:41	22:47:28	Blank		6.08	ladle didnt open (10/17/2023 23:51 SMITH, ANTHONY)
	22:52	22:54:38	Recarb		2.00	ladle didnt open (10/17/2023 23:50 SMITH, ANTHONY) (10/17/2023 23:53 SMITH, ANTHONY)
	22:54	23:00:46	Tapping		6.13	
	23:00	23:04:20	1st Charge		3.57	
	23:19	23:20:48	2nd Charge		1.55	
63234195	23:24	23:24:44	Electrodes Moving Slow		0.05	
	23:46	23:55:30	Blank	Superheat	8.57	still behind from the super heat (10/18/2023 06:42 SMITH, ANTHONY)
	0:01	00:02:10	Carbon Boil		0.62	
	0:02	00:11:26	Tapping		8.45	
63234196	0:11	00:15:07	1st Charge		3.68	
	0:30	00:32:05	2nd Charge		2.02	
	1:02	01:03:59	Carbon Boil		1.33	
	1:06	01:14:39	Tapping		8.55	
63234197	1:14	01:19:01	1st Charge		4.37	
	1:34	01:36:22	2nd Charge		2.08	
	2:02	02:12:54	Other		10.60	
	2:20	02:49:49	Tapping		29.27	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/19/2023

heat	start_time	end_time	obser	reason	duration	note
63234198	2:49	02:52:49	1st Charge		3.00	
	2:52	17:12:38	Downday		2299.82	
	17:31	17:46:39	2nd Charge		15.20	
	18:02	18:13:19	Cold Furnace Start Up		11.15	
	18:25	18:35:53	Cold Furnace Start Up		10.08	
	18:40	18:46:43	Carbon Boil		6.27	
	18:50	18:52:37	Cold Furnace Start Up		1.78	
	18:55	18:56:24	Take Temperature		0.60	
	18:57	18:57:33	Take Temperature		0.43	
	18:58	18:59:43	Lance Taphole		1.40	
	18:59	19:06:03	Tapping		6.33	
63234199	19:06	19:10:03	1st Charge		4.00	
	19:10	19:14:57	Breakdown		4.90	
	19:14	19:16:28	Drop Start Bucket		1.52	
	19:31	19:32:45			1.20	
	19:32	19:34:52	2nd Charge		2.12	
	20:06	20:07:02	Recarb		0.93	
	20:11	20:20:27	Tapping		8.72	
63234200	20:20	20:24:27	1st Charge		4.00	
	20:24	20:27:34	Breakdown		3.12	
						load lime (10/19/2023 20:48 CLAYBROOKS, KENDRICK)
	20:43	20:57:10	Plugged		13.65	
	21:31	21:32:28	Lab-Sample		1.40	
	21:33	21:35:12	Lance Taphole		2.00	
63234201	21:35	21:42:10	Tapping		6.97	
	21:42	21:45:10	1st Charge		3.00	
	21:45	21:50:58	Plugged		5.80	
						1614 (10/19/2023 21:55 CLAYBROOKS, KENDRICK)
	21:54	22:00:27	Add Electrode		5.57	
	22:12	22:15:26	2nd Charge		3.12	
63234202	22:49	22:55:13	Lab-Sample		5.78	
	22:57	23:05:29	Tapping		8.37	
	23:05	23:09:24	1st Charge		3.92	
	23:25	23:25:44			0.00	
	23:26	23:28:26	2nd Charge		2.28	
	0:01	00:04:05	Lab-Sample		2.87	
63234203	0:04	00:14:01	Stirring Heat		9.93	
	0:17	00:17:39	Carbon Boil		0.58	
	0:19	00:29:13	Tapping		9.73	
	0:29	00:32:08	1st Charge		2.92	
	0:32	00:37:55	Plugged		5.78	
	0:52	00:55:01	2nd Charge		2.05	
63234204	1:26	01:27:27	Carbon Boil		1.18	
	1:29	01:34:29	Blank	Duluth Grade	4.52	
	1:39	01:42:09	Raking tap hole		2.70	
	1:42	01:48:45	Tapping		6.60	
	1:48	01:50:45	1st Charge		2.00	
	1:50	01:53:55	Electrode Slip		3.17	
63234205	2:09	02:11:07	2nd Charge		2.08	
	2:40	02:41:25	Carbon Boil		1.12	
	2:47	02:48:00	Take Temperature		0.83	
	2:49	02:56:42	Tapping		7.28	
	2:56	03:01:01	1st Charge		4.32	
	3:17	03:19:24	2nd Charge		2.05	
63234206	3:42	04:00:18	Breakdown		17.47	
	4:13	04:15:26	Lance Carbon		1.57	
	4:16	04:19:43	Lance Taphole		3.57	
	4:19	04:25:38	Tapping		5.92	
	4:25	04:30:06	1st Charge		4.47	
	4:46	04:48:32	2nd Charge		2.27	
	5:11	05:32:20	Breakdown		20.53	
	5:37	05:38:37	Carbon Boil		0.90	
	5:46	05:54:39	Tapping		8.32	

Days 250.00 70%
Nights 250.00 70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/20/2023

heat	start_time	end_time	observer	reason	duration	note
63234207	5:54	05:57:39	1st Charge		3.00	
	5:57	05:58:15	Electrode Slip		0.60	
	5:58	05:58:43	Electrode Slip		0.47	
	6:14	06:16:16	2nd Charge		1.70	
	6:16	06:17:02	Mash With Bucket	Excessive Build-Up	0.77	
	6:48	07:00:30	Blank	Duluth Grade	12.38	Strand two ramp issues. (10/20/2023 07:02 Richard Phelps)
	7:00	07:16:49	Plate Change		16.32	
63234208	7:24	07:33:44	Tapping		8.77	
	7:33	07:36:26	1st Charge		2.70	
	7:52	07:53:47	2nd Charge		1.53	
	8:28	08:28:50	Carbon Boil		0.47	
	8:32	08:35:58	Lab-Sample		3.00	
	8:35	08:39:58	Lance Taphole		4.00	
	8:39	08:47:32	Tapping		7.57	
63234209	8:47	08:51:29	1st Charge		3.95	
	9:06	09:07:52	2nd Charge		1.65	
	9:41	09:44:08	Lab-Sample		2.72	
	9:48	09:48:59	Take Temperature		0.50	
	9:48	09:49:59	Lance Taphole		1.00	
	9:49	09:56:50	Tapping		6.85	
	9:56	10:00:34	1st Charge		3.73	
63234210	10:03	10:07:14	Add Electrode		3.70	1613 to tank (10/20/2023 12:12 Tim MacIn)
	10:20	10:21:39	2nd Charge		1.55	
	10:33	10:55:47	Lab-Sample		1.93	
	10:59	11:06:42	Tapping		7.38	
	11:06	11:09:31	1st Charge		2.82	
	11:24	11:25:48	2nd Charge		1.53	
	12:04	12:11:47	Tapping		7.28	
63234212	12:11	12:14:47	1st Charge		3.00	
	12:14	12:15:17	Electrode Slip		0.50	
	12:15	12:15:56	Electrode Slip		0.65	
	12:18	12:22:09	Add Electrode		3.95	R2 to tank (10/20/2023 12:23 Tim MacIn)
	12:35	12:36:37	2nd Charge		1.53	
	13:13	13:16:10	Lance Taphole		2.20	
	13:16	13:23:48	Tapping		7.63	
63234213	13:23	13:26:15	1st Charge		2.45	
	13:41	13:42:53	2nd Charge		1.57	
	14:19	14:23:01	Blank	Heat choking off	3.25	
	14:23	14:29:16	Tapping		6.25	
	14:29	14:32:33	1st Charge		3.28	
	14:47	14:48:53	2nd Charge		1.63	
	15:26	15:28:23	Carbon Boil		1.62	
63234214	15:30	15:31:50	Lab-Sample		1.50	
	15:31	15:33:50	Lance Taphole		2.00	
	15:33	15:40:25	Tapping		6.68	
	15:40	15:43:04	1st Charge		2.65	
	15:57	15:58:54	2nd Charge		1.63	
	16:31	16:40:36	Gun		9.45	
	16:47	16:49:01	Lance Taphole		1.20	
63234216	16:49	16:55:56	Tapping		6.92	
	16:55	17:56:16	1st Charge		60.33	
	18:12	18:14:01	2nd Charge		1.62	
	18:50	18:56:37	Tapping		5.87	
	18:56	18:59:37	1st Charge		3.00	
	18:59	19:03:28	Drop Start Bucket		3.85	
	19:06	19:19:53	Add Electrode		13.65	Crane operators swapping. (10/20/2023 19:04 Tim MacIn) R1, had to hold off on adding electrode because ladle crane was making moves for caster section change over. Electrode was too short to run. (10/20/2023 19:39 Tim MacIn)
63234217	19:33	19:52:10	Section Size Change		19.07	Heat was tapped on crew before shift change. Casters still had not started on change over. Heat in the pit will be a pourback because of cold temp. (10/20/2023 19:38 Tim MacIn)
	19:52	19:53:11	2nd Charge		1.02	
	20:25	20:25:48	Take Temperature		0.30	
	20:27	20:28:28	Take Temperature		1.75	
	20:30	20:31:04	Recarb		0.97	
	20:32	20:36:30	Lance Taphole		4.10	
	20:36	20:41:57	Tapping		5.45	
63234218	20:41	20:59:08	Pourback	Low Temperature	17.18	Ladle temp too cold to cast temp 2940. Gunning furnace before pourback. (10/20/2023 20:45 Richard Phelps)
	21:02	21:10:19	Lance Carbon		8.28	
	21:10	21:23:12	Lab-Sample		12.88	
	21:28	21:29:18	Take Temperature		1.18	
	21:29	21:36:29	Tapping		6.70	
	21:36	21:39:20	1st Charge		2.85	
	21:54	21:56:38	2nd Charge		2.08	
63234219	22:24	22:53:29	Blank	Strand Started Late	29.05	
	22:58	22:59:46	Carbon Boil		0.92	
	23:03	23:06:36	Lance Taphole		2.62	
	23:06	23:13:31	Tapping		6.92	
	23:13	23:16:59	1st Charge		3.47	
	23:32	23:34:26	2nd Charge		2.15	
	0:07	00:09:02	Carbon Boil		1.87	
63234221	0:10	00:14:33	Lance Taphole		4.25	
	0:14	00:21:59	Tapping		7.43	
	0:21	00:24:59	1st Charge		3.00	
	0:24	00:25:41	Electrode Slip		0.70	
	0:25	00:26:37	Electrode Slip		0.93	
	0:41	00:43:24	2nd Charge		2.07	
	1:13	01:17:18	Blank	Caster Running Slow	4.07	4 strand caster (10/21/2023 01:17 Richard Phelps)
63234222	1:20	01:23:03	Lance Taphole		2.57	
	1:23	01:30:19	Tapping		7.27	
	1:30	01:33:31	Peeling off		3.20	Runner skull fell off in way of taphole to pack. (10/21/2023 01:32 Richard Phelps)
	1:33	01:34:05	Pack Tap Hole		0.57	
	1:34	01:37:04	Drop Start Bucket		2.98	
	1:52	01:54:58	2nd Charge		2.15	
	2:21	02:22:32	Carbon Boil		0.70	
63234223	2:22	02:22:48	Electrodes Moving Slow		0.13	
	2:28	02:28:36	Lance Taphole		1.95	
	2:28	02:34:03	Tapping		5.45	
	2:34	02:37:16	1st Charge		3.22	
	2:51	02:53:58	2nd Charge		2.03	
	3:21	03:22:32	Carbon Boil		1.03	
	3:26	03:28:45	Take Temperature		0.60	
63234224	3:27	03:29:04	Lance Taphole		1.68	
	3:29	03:34:58	Tapping		5.90	
	3:34	03:38:11	1st Charge		3.22	
	3:52	03:54:47	2nd Charge		2.08	
	4:25	04:25:17	Carbon Boil		0.28	
	4:25	04:25:32	Electrodes Moving Slow		0.08	
	4:27	04:29:20	Take Temperature		1.83	
63234225	4:29	04:30:14	Take Temperature		0.37	
	4:31	04:37:15	Tapping		6.17	
	4:37	04:41:08	1st Charge		3.88	
	4:56	04:57:54	2nd Charge		1.82	
	5:26	05:31:16	Blank	Caster Running Slow	4.85	4 Strands. (10/21/2023 05:27 Richard Phelps)
	5:35	05:39:30	Lance Taphole		4.48	
	5:40	05:46:31	Tapping		6.20	
63234226	5:46	05:49:31	1st Charge		3.00	
	5:49	05:50:13	Electrode Slip		0.70	
	5:50	05:51:01	Electrode Slip		0.80	
	5:51	05:51:38	Electrode Slip		0.52	
	6:06	06:08:04	2nd Charge		2.02	
	6:38	06:39:37			0.78	
	6:40	06:41:19			0.58	
6:42	06:49:09	Tapping			6.95	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/21/2023

heat	start_time	end_time	obser	reason	duration	note
63234227	6:49	06:52:03	1st Charge		2.90	
	7:05	07:07:34	2nd Charge		1.75	
	7:07	07:10:09	Mash With Bucket	Excessive Build-Up	2.58	
	7:41	07:43:38	Redump Ladle		2.47	
	7:45	07:53:38	Tapping		7.78	
63234228	7:53	07:56:58	1st Charge		3.33	
	8:12	08:14:02	2nd Charge		1.63	
	8:45	08:46:58	Lance Taphole		1.00	
	8:46	08:52:36	Tapping		5.63	
63234229	8:52	08:55:36	1st Charge		3.00	
	8:55	08:56:31	Electrode Slip		0.92	
	9:11	09:14:06	2nd Charge		2.80	
	9:44	09:45:17	Carbon Boil		0.55	
	9:46	09:49:44	Lance Carbon		2.90	
	9:49	09:56:25	Tapping		6.68	
63234230	9:56	10:00:19	1st Charge		3.90	
	10:03	10:06:46	Add Electrode		3.62	R4 to tank. (10/21/2023 13:08 Tim MacIn)
	10:06	10:08:36			1.83	
	10:20	10:22:27	2nd Charge		1.55	
	10:54	11:01:08	Tapping		6.27	
63234231	11:01	11:03:40	1st Charge		2.53	
	11:18	11:20:13	2nd Charge		1.60	
	11:50	11:51:25	Carbon Boil		0.92	
	11:53	11:55:02	Lance Carbon		1.10	
	11:55	11:56:34	Lance Taphole		1.53	
	11:56	12:03:07	Tapping		6.55	
63234232	12:03	12:06:41	1st Charge		3.57	
	12:21	12:23:20	2nd Charge		1.63	
	12:54	12:56:02	Lance Taphole		1.65	
	12:57	13:03:53	Tapping		6.77	
63234233	13:03	13:07:21	1st Charge		3.47	
	13:11	13:15:11	Add Electrode		4.18	
	13:26	13:28:07	2nd Charge		1.58	
	14:00	14:00:57	Carbon Boil		0.72	
	14:01	14:03:21	Lance Taphole		1.38	
	14:03	14:10:23	Tapping		7.03	
63234234	14:10	14:13:23	1st Charge		3.00	
	14:13	14:14:15	Electrode Slip		0.87	
	14:17	14:21:26	Add Electrode		3.58	R6 to tank (10/21/2023 14:19 Tim MacIn)
	14:31	14:31:37	Electrodes Moving Slow		0.02	
	14:33	14:35:09	2nd Charge		1.65	
	15:06	15:07:03	Carbon Boil		0.78	
	15:08	15:16:33	Tapping		7.62	
63234235	15:16	15:19:00	1st Charge		2.45	
	15:34	15:35:41	2nd Charge		1.50	
	15:41	15:44:04	Mag Bezel Ring		2.48	
	16:13	16:14:00	Carbon Boil		0.98	
	16:17	16:19:26	Lance Carbon	Excessive Build-Up	1.50	
	16:19	16:20:26	Lance Taphole		1.00	
	16:20	16:27:18	Tapping		6.87	
63234236	16:27	16:30:37	1st Charge		3.32	
	16:45	16:47:11	2nd Charge		1.58	
	17:19	17:20:41	Carbon Boil		1.58	
	17:22	17:24:25	Lance Taphole		1.50	
	17:24	17:31:57	Tapping		7.53	
63234237	17:31	17:34:57	1st Charge		3.00	
	17:34	17:43:25	Gunned Furnace		8.47	gun taphole (10/21/2023 17:36 Tim MacIn)
	17:57	17:59:26	2nd Charge		1.52	
	18:30	18:31:40	Carbon Boil		1.25	
	18:35	18:36:44	Lance Carbon		1.60	
	18:36	18:44:28	Tapping		7.73	
63234238	18:44	18:47:28	1st Charge		3.00	
	18:47	18:51:12	Reset KWH meter		3.73	
	19:06	19:08:45	2nd Charge		2.48	
	19:38	19:48:05	Tapping		9.12	
63234239	19:48	19:50:45	1st Charge		2.67	
	20:07	20:08:27	2nd Charge		1.37	
	20:08	20:09:50	Mash With Bucket	Excessive Build-Up	1.38	
	20:37	20:39:11	Carbon Boil		1.40	
	20:41	20:45:56	Lance Carbon		3.95	
	20:45	20:51:29	Tapping		5.55	
63234240	20:51	20:55:26	1st Charge		3.95	
	21:11	21:13:23	2nd Charge		1.92	
	21:39	21:48:42	Breakdown		8.83	Breaker tripped. (10/21/2023 22:01 Richard Phelps)
	21:51	21:52:36	Carbon Boil		1.12	
	21:53	21:59:08	Breakdown		5.53	Breaker tripped. (10/21/2023 22:01 Richard Phelps)
	21:59	21:59:33	Lance Taphole		0.42	
	21:59	22:05:57	Tapping		6.40	
63234241	22:05	22:08:14	1st Charge		2.28	
	22:24	22:26:26	2nd Charge		1.97	
	22:54	22:55:53	Carbon Boil		1.20	
	22:58	23:04:47	Lance Carbon		6.78	
	23:04	23:10:55	Tapping		6.13	
63234242	23:10	23:14:19	1st Charge		3.40	
	23:24	23:24:42	Electrodes Moving Slow		0.08	
	23:32	23:33:46	Other		1.62	Waiting on ladle to go up to make pig. (10/21/2023 23:33 Richard Phelps)
	23:33	23:34:43	2nd Charge		0.95	
	0:01	00:02:29	Carbon Boil		1.15	
	0:04	00:06:16	Lance Taphole		1.72	
	0:06	00:12:38	Tapping		6.37	
63234243	0:12	00:15:38	1st Charge		3.00	
	0:15	00:16:02	Electrode Slip		0.40	
	0:16	00:16:18	Electrode Slip		0.27	
	0:32	00:33:47	2nd Charge		1.55	
	0:59	01:01:12	Carbon Boil		1.23	
	1:01	01:02:04	Blank	Strand Started Late	0.87	
	1:05	01:17:42	Blank	Strand Started Late	11.87	Waiting on ladle. (10/22/2023 01:09 Richard Phelps) (10/22/2023 01:12 Richard Phelps)
63234244	1:17	01:20:10	1st Charge		2.47	
	1:36	01:38:00	2nd Charge		1.63	
	2:06	02:11:25	Break down		5.25	Carbon boil. Stat var tripped. (10/22/2023 02:08 Richard Phelps)
	2:14	02:20:52	Tapping		6.53	
63234245	2:20	02:23:48	1st Charge		2.93	
	2:39	02:41:19	2nd Charge		1.58	
	3:09	03:25:49	Plate Change		15.93	
	3:29	03:33:35	Plate Change		4.18	
	3:33	03:35:06	Lance Taphole		1.52	
	3:35	03:40:57	Tapping		5.85	
63234246	3:40	03:43:57	1st Charge		3.00	
	3:43	03:44:57	Clean Slay Door		1.00	
	3:44	03:45:39	Electrode Slip		0.70	
	3:45	03:46:13	Electrode Slip		0.57	
	4:03	04:05:36	2nd Charge		1.80	
	4:30	04:31:43	Carbon Boil		0.85	
	4:35	04:37:16	Lance Carbon		2.13	
	4:38	04:41:56	Lance Taphole		3.47	
	4:41	04:48:14	Tapping		6.30	
63234247	4:48	04:51:17	1st Charge		3.05	
	5:07	05:08:58	2nd Charge		1.65	
	5:36	05:54:23	Cleaning Ladle Lip		17.40	
	5:57	06:00:50	Cleaning Ladle Lip		3.50	
	6:00	06:03:18	Lance Taphole		2.47	
	6:03	06:10:06	Tapping		6.80	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date	10/22/2023						
heat	start time	end time	obsr	reason	duration	note	
63234248	6:10	06:12:48	1st Charge		2.70		
	6:30	06:32:06	2nd Charge		1.85		
	7:01	07:07:57	Tapping		6.50		
63234249	7:07	07:10:38	1st Charge		2.68		
	7:25	07:27:23	2nd Charge		1.72		
	7:53	07:54:29	Carbon Boil		0.93		
	7:59	08:00:33	Lance Taphole		1.30		
	8:00	08:06:29	Tapping		5.93		
	8:06	08:09:29	1st Charge		3.00		
63234250	8:09	08:10:08	Electrode Slip		0.65		
	8:10	08:11:08	Electrode Slip		1.00		
	8:13	08:17:18	Add Electrode		3.78	R5 to tank (10/22/2023 08:20 Tim MacIn)	
	8:22	08:22:55	Electrodes Moving Slow		0.02		
	8:29	08:31:10	2nd Charge		1.48		
	9:03	09:05:03	Lance Carbon		1.50		
	9:05	09:12:10	Tapping		7.12		
63234251	9:12	09:15:55			3.75	Trainee charge crane (10/22/2023 09:53 Tim MacIn)	
	9:15	09:16:31	Electrode Slip		0.60		
	9:31	09:33:19	2nd Charge		2.12		
	10:06	10:07:28	Plate Charge		1.10	Trainee charge crane (10/22/2023 09:53 Tim MacIn)	
	10:07	10:13:06	Tapping		5.63		
63234252	10:13	10:17:02	1st Charge		3.93		
	10:19	10:23:57	2nd Charge		4.52		
	10:37	10:41:50	2nd Charge		4.45		
	11:09	11:09:54			0.65		
	11:13	11:19:50	Tapping		6.65		
63234253	11:19	11:22:50	1st Charge		3.00		
	11:22	11:32:18	Plugged		9.47		
	11:46	11:48:07	2nd Charge		1.72		
	11:52	11:55:00			2.82		
	12:20	12:22:06	Carbon Boil		1.33		
	12:24	12:32:24	Tapping		7.48		
63234254	12:32	12:36:01	1st Charge		3.62		
	12:50	12:52:44	2nd Charge		2.08		
	13:24	13:25:21	Carbon Boil		0.88		
	13:26	13:33:26	Tapping		7.32		
63234255	13:33	13:36:26	1st Charge		3.00		
	13:36	13:37:18	Electrode Slip		0.87		
	13:40	13:44:02	Add Electrode		3.85	R8 to tank. (10/22/2023 13:45 Tim MacIn)	
	13:56	13:58:45	2nd Charge		2.33		
	14:27	14:28:10	Carbon Boil		1.17		
	14:32	14:40:19	Tapping		7.63		
63234256	14:40	14:43:17	1st Charge		2.97		
	14:58	15:00:33	2nd Charge		2.22		
	15:30	15:31:01	Carbon Boil		0.72		
	15:36	15:43:52	Tapping		7.85		
63234257	15:43	15:46:52	1st Charge		3.00		
	15:46	15:51:59	Gunned Furnace		5.12	gunned taphole (10/22/2023 15:47 Tim MacIn)	
	16:06	16:08:20	2nd Charge		1.50		
	16:08	16:09:23	Mash With Bucket	Excessive Build-Up	1.05		
	16:39	16:40:16	Carbon Boil		0.82		
	16:40	16:40:48	Carbon Boil		0.43		
	16:44	16:52:49	Tapping		8.73		
63234258	16:52	16:55:49	1st Charge		3.00		
	16:55	16:57:23	Fill Taphole Hopper		1.57		
	17:12	17:14:06	2nd Charge		1.50		
	17:14	17:16:20	Waiting For Crane	Training Employee	2.40		
	17:43	17:44:14	Carbon Boil		0.80		
	17:49	17:50:52	Lance Carbon		1.83		
	17:50	17:57:51	Tapping		6.98		
63234259	17:57	18:00:53	1st Charge		3.03		
	18:15	18:17:28	2nd Charge		1.50		
	18:17	18:18:09	Waiting For Crane	Training Employee	0.68		
	18:50	18:56:52	Lance Carbon		6.00		
	18:58	19:14:13	Tapping		17.35		
63234260	19:14	19:16:14	Pack Tap Hole		2.00		
	19:16	19:41:32	Gunned Furnace		25.30	under no.2 taphole area under no.1 and breast area (10/22/2023 19:24 Tim MacIn)	
	19:49	19:52:06	Electrode Slip		2.97		
	19:58	19:56:57	Electrodes Moving Slow		0.05		
	20:01	20:03:11	2nd Charge		1.63		
	20:35	20:36:59	Take Temperature		1.07		
	20:38	20:39:53	Take Temperature		1.48		
	20:41	20:49:43	Tapping		8.47		
63234261	20:49	20:52:43	1st Charge		3.00		
	20:52	21:11:32	Plugged		18.82		
	21:23	21:23:39			0.00		
	21:28	21:30:08	2nd Charge		1.60		
	22:01	22:03:33	Lance Taphole		2.33		
	22:03	22:09:13	Tapping		5.67		
63234262	22:09	22:13:18	1st Charge		4.08		
	22:30	22:31:51	2nd Charge		1.67		
	22:57	22:58:29	Carbon Boil		0.87		
	22:58	22:58:34			0.00		
	23:01	23:02:26	Take Temperature		0.45		
	23:02	23:03:19	Other		0.80	Gun ladle lip. (10/22/2023 23:07 Richard Phelps)	
	23:05	23:12:52	Tapping		7.80		
63234263	23:12	23:16:29	1st Charge		3.62		
	23:32	23:33:57	2nd Charge		1.63		
	0:02	00:03:14	Carbon Boil		0.90		
	0:06	00:09:16	Lance Taphole		2.47		
	0:09	00:15:49	Tapping		6.55		
63234264	0:15	00:19:44	1st Charge		3.92		
	0:35	00:36:57	2nd Charge		1.70		
	1:08	01:10:19	Lance Taphole		1.70		
	1:10	01:16:34	Tapping		6.25		
63234265	1:16	01:19:18	1st Charge		2.73		
	1:34	01:36:05	2nd Charge		1.86		
	2:03	02:09:19	Blank	Caster Running Slow	5.33		
	2:11	02:21:13	Blank	Caster Running Slow	9.82	4 Strand caster. (10/23/2023 02:14 Richard Phelps)	
63234266	2:21	02:25:14	1st Charge		4.02		
	2:41	02:43:20	2nd Charge		1.70		
	3:12	03:15:33	Take Temperature		2.80	Melting steel behind breast. (10/23/2023 03:15 Richard Phelps)	
	3:16	03:18:37	Lance Taphole		1.95		
	3:18	03:24:40	Tapping		6.05		
63234267	3:24	03:27:40	1st Charge		3.00		
	3:27	03:28:22	Other		0.70	Looking at furnace. (10/23/2023 03:29 Richard Phelps)	
	3:28	03:29:11	Electrode Slip		0.82	Backslip (10/23/2023 03:30 Richard Phelps)	
	3:31	03:35:58	Add Electrode		4.53	1610 (10/23/2023 03:32 Richard Phelps)	
	3:47	03:47:32	Electrodes Moving Slow		0.02		
	3:49	03:51:07	2nd Charge		1.67		
	4:18	04:19:15	Carbon Boil		0.68		
	4:23	04:26:03	Lance Taphole		2.72		
	4:26	04:31:23	Tapping		5.33		
63234268	4:31	04:34:23	1st Charge		3.00		
	4:34	04:35:28	Electrode Slip		1.08	Backslip (10/23/2023 04:35 Richard Phelps)	
	4:38	04:43:28	Add Electrode		4.88	1609 (10/23/2023 04:43 Richard Phelps)	
	4:56	04:58:20	2nd Charge		2.18		
	5:27	05:29:01	Take Temperature		1.20		
	5:29	05:29:07			0.00		
	5:29	05:36:26	Tapping		6.47		
63234269	5:36	05:39:32	1st Charge		3.10		
	5:54	05:56:03	2nd Charge		1.58		
	6:26	06:30:01	Lance Carbon		3.20		
	6:30	06:35:07	Tapping		5.10		
			Days		250.00	70%	
			Nights		250.00	70%	

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/23/2023

heat	start time	end time	obser	reason	duration	note
63234270	6:35	06:38:31	1st Charge		3.40	
	6:38	06:39:30	Electrode Slip		0.98	Backslip. (10/23/2023 06:39 Richard Phelps)
	6:41	06:46:47	Blank		5.13	
	7:00	07:01:44	2nd Charge		1.47	
	7:33	07:44:17	Tapping		10.85	
63234271	7:44	07:47:17	1st Charge		3.00	
	7:47	07:53:33	Skull arcing		6.27	
	8:09	08:10:41	2nd Charge		1.50	
	8:10	08:15:36	Other		4.92	putting out a fire under the east side (10/23/2023 08:17 Richard Phelps)
	8:46	08:49:44	Push Door		2.82	
	8:52	09:00:17	Plate Change		8.02	
	9:00	09:06:08	Tapping		5.85	
63234272	9:06	10:06:08	Tundish Change Only		60.00	
	10:06	11:37:03	Planned Maintenance		90.92	working on retractable duct (10/23/2023 11:38 Richard Phelps)
	11:53	11:56:39	2nd Charge		3.43	
	12:28	12:30:04	Push Door		2.05	
	12:33	12:38:28	Tapping		4.68	
63234273	12:38	12:41:28	1st Charge		3.00	
	12:41	13:09:13	Pourback	Low Temperature	27.75	
	13:11	13:19:57	Pourback	Low Temperature	8.43	
	13:23	13:31:11	Tapping		7.22	
63234274	13:31	13:34:34	1st Charge		3.38	
	13:49	13:51:02	2nd Charge		1.58	
	14:23	14:24:20	Take Temperature		0.37	
	14:27	14:32:49	Tapping		5.77	
63234275	14:32	14:35:57	1st Charge		3.13	
	14:42	14:46:50	Skull arcing		4.53	
	14:55	14:57:27	2nd Charge		1.67	
	15:28	15:35:49	Tapping		7.37	
63234276	15:35	15:38:42	1st Charge		2.88	
	15:53	15:55:32	2nd Charge		1.63	
	16:18	16:27:48	Blank	Grade Change	9.37	
	16:35	16:36:17	Take Temperature		0.57	
	16:39	16:49:12	Tapping		9.85	
63234277	16:49	16:53:26	1st Charge		4.23	
	17:08	17:10:01	2nd Charge		1.53	
	17:42	17:50:37	Tapping		7.70	
63234278	17:50	17:53:28	1st Charge		2.85	
	18:07	18:09:06	2nd Charge		1.55	
	18:40	18:53:24	Tapping		12.47	
	18:53	18:56:02	1st Charge		2.63	
63234279	19:10	19:12:22	2nd Charge		1.57	
	19:40	19:49:19	Plate Change		8.58	
	19:55	20:03:17	Tapping		7.45	
	20:03	20:06:15	1st Charge		2.97	
63234280	20:21	20:22:51	2nd Charge		1.70	
	20:56	20:58:13	Redump Ladle		2.00	
	20:58	21:00:13	Lance Taphole		2.00	
	21:00	21:14:56	Tapping		14.72	
63234281	21:14	21:24:55	1st Charge		9.98	
	21:40	21:42:06	2nd Charge		1.57	
	22:10	22:11:19	Carbon Boil		0.48	
	22:14	22:14:39	Take Temperature		0.62	
	22:15	22:20:33	Tapping		5.17	
63234282	22:20	22:24:31	1st Charge		3.97	
	22:39	22:41:21	2nd Charge		1.60	
	23:12	23:13:16	Carbon Boil		0.87	
	23:15	23:22:13	Tapping		6.57	
63234283	23:22	23:24:51	1st Charge		2.63	
	23:39	23:41:12	2nd Charge		1.58	
	0:11	00:11:51	Carbon Boil		0.70	
	0:14	00:20:24	Tapping		5.98	
63234284	0:20	00:23:32	1st Charge		3.13	
	0:38	00:40:07	2nd Charge		1.72	
	1:12	01:18:02	Tapping		5.13	
	1:18	01:20:41	1st Charge		2.65	
63234285	1:35	01:36:59	2nd Charge		1.72	
	2:04	02:11:06			7.03	
	2:15	02:16:22	Carbon Boil		0.45	
	2:18	02:25:47	Tapping		7.23	
63234286	2:25	02:28:47	1st Charge		3.00	
	2:28	02:29:49	Electrode Slip		1.03	
	2:33	02:36:39	Add Electrode		3.65	1611 to tank (10/24/2023 02:34 Tim Maclin)
	2:48	02:50:07	2nd Charge		1.62	
	3:17	03:20:36	Redump Ladle		3.57	
	3:24	03:33:23	Tapping		8.80	
63234287	3:33	03:36:23	1st Charge		3.00	
	3:36	03:52:40	Gunned Furnace		16.28	
	4:07	04:08:59	2nd Charge		1.65	
	4:40	04:42:23			1.48	
	4:43	04:49:10	Tapping		5.83	
63234288	4:49	04:52:04	1st Charge		2.90	
	5:06	05:08:41	2nd Charge		1.70	
	5:41	05:41:08	Skull arcing		0.12	
	5:42	05:42:58	Take Temperature		0.77	
	5:42	05:48:18	Take Temperature		5.33	
63234289	5:48	05:52:01	1st Charge		3.72	
	6:06	06:08:06	2nd Charge		1.63	
	6:39	06:40:27			1.28	
	6:42	06:47:46	Tapping		5.20	
					Days	250.00
					Nights	250.00
						70%
						70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/24/2023

heat	start time	end time	obser	reason	duration	note
63234290	6:47	06:50:33	1st Charge		2.78	
	7:05	07:07:09	2nd Charge		1.43	
	7:30	07:43:18	Plate Change		12.33	
	7:48	07:55:34	Redump Ladle		6.62	
	8:00	08:01:53	Lance Taphole		1.42	
63234291	8:01	08:06:45	Tapping		4.87	
	8:06	08:09:45	1st Charge		3.00	
	8:09	08:11:08	Electrode Slip		1.38	backslip (10/24/2023 08:12 Tim MacLin)
	8:13	08:17:26	Add Electrode		3.67	1616 (10/24/2023 08:15 Tim MacLin)
	8:29	08:31:05	2nd Charge		1.48	
63234292	9:03	09:04:36	Take Temperature		0.75	
	9:04	09:08:15	Lance Carbon		3.65	
	9:08	09:14:44	Tapping		6.48	
	9:14	09:17:28	1st Charge		2.73	
	9:32	09:34:11	2nd Charge		1.50	
63234293	10:00	10:09:57	Cleaning Ladle Lip		9.77	
	10:15	10:16:24	Carbon Boil		0.92	
	10:18	10:25:02	Tapping		6.62	
	10:25	10:28:40	1st Charge		3.63	
	10:44	10:45:42	2nd Charge		1.55	
63234294	11:17	11:18:59	Lance Taphole		1.40	
	11:18	11:24:28	Tapping		5.48	
	11:24	11:27:28	1st Charge		3.00	
	11:27	11:28:22	Electrode Slip		0.90	backslip (10/24/2023 11:29 Tim MacLin)
	11:30	11:34:42	Add Electrode		3.85	1615 (10/24/2023 11:33 Tim MacLin)
63234295	11:48	11:49:50	2nd Charge		1.48	
	12:22	12:25:03	Lance Carbon		2.53	
	12:26	12:27:38	Lance Taphole		1.05	
	12:27	12:33:15	Tapping		5.62	
	12:33	12:36:15	1st Charge		3.00	
63234296	12:36	12:36:29	Electrode Slip		0.23	
	12:50	12:52:21	2nd Charge		1.40	
	13:18	13:24:38	Plate Change		6.50	
	13:33	13:35:35	Lance Carbon		2.28	
	13:35	13:40:10	Tapping		4.58	
63234297	13:40	13:43:16	1st Charge		3.10	
	13:57	13:59:08	2nd Charge		1.55	
	14:32	14:35:55	Lance Taphole		3.43	
	14:35	14:40:57	Tapping		5.03	
	14:40	14:43:57	1st Charge		3.00	
63234298	14:43	14:45:19	Push Door		1.37	
	14:59	15:00:39	2nd Charge		1.47	
	15:31	15:36:10	Push Door		4.55	stuck (10/24/2023 15:36 Tim MacLin)
	15:38	15:39:40	Lance Taphole		1.23	
	15:39	15:43:34	Tapping		5.90	
63234299	15:45	15:48:34	1st Charge		3.00	
	15:48	16:08:55	Gunned Furnace		20.35	
	16:23	16:24:43	2nd Charge		1.43	
	16:56	17:00:18	Push Door		3.60	push behind door, couldn't get consistent temps (10/24/2023 17:05 Tim MacLin)
	17:02	17:09:20	Tapping		6.42	
63234300	17:09	17:12:21	1st Charge		3.02	
	17:27	17:29:12	2nd Charge		1.53	
	17:35	17:35:30			0.00	
	18:02	18:04:33	Lance Taphole		1.87	
	18:04	18:10:22	Tapping		5.82	
63234301	18:10	18:13:22	1st Charge		3.00	
	18:13	18:14:16	Electrode Slip		0.93	slipped all (10/24/2023 18:14 Tim MacLin)
	18:29	18:30:56	2nd Charge		1.43	
	18:59	19:00:41	Carbon Boil		1.13	
	19:03	19:10:02	Tapping		6.07	
63234302	19:10	19:13:29	1st Charge		3.45	
	19:27	19:29:10	2nd Charge		1.63	
	19:53	20:10:18	Nozzle Change		16.65	Only two ladies. (10/24/2023 20:14 Tim MacLin)
	20:16	20:16:27	Carbon Boil		0.38	
	20:20	20:26:45	Tapping		6.82	
63234303	20:26	20:29:52	1st Charge		3.12	
	20:44	20:45:32	2nd Charge		1.50	
	21:11	21:11:59	Carbon Boil		0.70	
	21:14	21:20:37	Cleaning Ladle Lip		5.98	
	21:25	21:30:08	Tapping		4.62	
63234304	21:30	21:35:26	Tapping		5.30	
	21:35	21:38:58	1st Charge		3.53	
	21:53	21:55:17	2nd Charge		2.20	
	22:26	22:33:28	Cleaning Ladle Lip		6.58	
	22:33	22:38:49	Tapping		5.35	
63234305	22:38	22:43:22	1st Charge		4.55	
	22:57	23:00:00	2nd Charge		2.32	
	23:07	23:07:35			0.00	
	23:30	23:31:02	Carbon Boil		0.47	
	23:32	23:37:22	Tapping		5.23	
63234306	23:37	23:41:09	1st Charge		3.78	
	23:43	23:47:42	Add Electrode		3.97	1622 to tank (10/25/2023 01:51 Tim MacLin)
	23:58	00:00:57	2nd Charge		2.18	
	0:28	00:29:41	Carbon Boil		0.70	
	0:32	00:37:50	Tapping		4.92	
63234307	0:37	00:42:07	1st Charge		4.28	
	0:56	00:58:37	2nd Charge		2.15	
	1:22	01:32:55	Blank	Caster Running Slow	10.00	
	1:32	01:38:17	Plate Change		5.37	
	1:47	01:49:14	Lance Taphole		1.25	
63234308	1:49	01:54:26	Tapping		5.20	
	1:54	01:57:48	1st Charge		3.37	
	2:11	02:13:43	2nd Charge		2.03	
	2:44	02:50:40	Tapping		5.83	
	2:50	02:55:07	1st Charge		4.45	
63234309	3:09	03:11:11	2nd Charge		2.13	
	3:43	03:44:46	Cleaning Ladle Lip		1.00	
	3:44	03:45:30	Lance Taphole		0.70	
	3:45	03:50:06	Tapping		4.60	
	3:50	03:53:39	1st Charge		3.55	
63234310	4:07	04:09:17	2nd Charge		2.07	
	4:40	04:41:32	Carbon Boil		0.57	
	4:43	04:44:38	Take Temperature		1.30	
	4:45	04:49:42	Tapping		3.83	
	4:49	04:54:16	1st Charge		4.60	
63234311	5:07	05:09:37	2nd Charge		2.10	
	5:41	05:42:17	Carbon Boil		1.00	
	5:42	05:43:19	Take Temperature		1.03	
	5:45	05:50:28	Tapping		5.40	
	5:50	05:54:41	1st Charge		4.22	
	6:07	06:09:49	2nd Charge		2.07	
	6:43	06:44:13			0.50	
	6:44	06:44:20			0.03	
	6:46	06:51:59	Tapping		5.55	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/25/2023

heat	start time	end time	obser	reason	duration	note
63234312	6:51	06:54:59	1st Charge		3.00	
	6:54	07:07:51	Gunned Furnace		12.87	
	7:22	07:24:18	2nd Charge		1.47	
	7:58	08:06:29	Tapping		7.60	
63234313	8:06	08:09:29	1st Charge		3.00	
	8:09	08:16:29	Pack Tap Hole		7.00	peel runner to pack taphole (10/25/2023 08:18 Tim Maclin)
	8:16	08:17:29	Electrode Slip		1.00	backslip, slip c too (10/25/2023 08:19 Tim Maclin)
	8:20	08:23:58	Add Electrode		3.63	1621 (10/25/2023 08:26 Tim Maclin) (10/25/2023 08:27 Tim Maclin)
	8:35	08:36:58	2nd Charge		1.38	
	9:08	09:08:26	Push Door		0.40	stuck (10/25/2023 09:15 Tim Maclin)
	9:10	09:14:36	Recarb		3.65	
	9:14	09:19:50	Tapping		5.23	
63234314	9:19	09:22:46	1st Charge		2.93	
	9:38	09:39:30	2nd Charge		1.42	
	10:07	10:20:16	Plate Change		13.07	
	10:25	10:28:11	Plate Change		2.63	
	10:29	10:36:48	Tapping		6.92	
63234315	10:36	10:39:48	1st Charge		3.00	
	10:39	11:05:26	Gunned Furnace		25.63	Gunned B wall, under number 2, under number 1, under number 4 tap wall, tap hole, and behind breast. (10/25/2023 11:11 Tim Maclin)
	11:20	11:21:37	2nd Charge		1.62	
	11:51	11:58:20	J hook		6.50	steel on j hooks (10/25/2023 11:53 Tim Maclin)
	12:02	12:08:20	Tapping		6.33	
63234316	12:08	12:11:36	1st Charge		3.27	
	12:23	12:23:11	Electrodes Moving Slow		0.02	
	12:24	12:26:28	2nd Charge		1.50	
	12:59	13:01:03	Carbon Boil		1.65	
	13:03	13:10:10	Tapping		7.15	
63234317	13:10	13:13:10	1st Charge		3.00	
	13:13	13:14:37	Electrode Slip		1.45	backslip (10/25/2023 13:15 Tim Maclin)
	13:16	13:20:40	Add Electrode		3.77	1586 (10/25/2023 13:21 Tim Maclin)
	13:31	13:33:18	2nd Charge		1.50	
	13:59	14:03:46	J hook		4.45	steel on j hooks (10/25/2023 14:06 Tim Maclin)
	14:09	14:10:16	Carbon Boil		0.88	
	14:10	14:10:25			0.00	
	14:12	14:20:11	Tapping		7.43	
63234318	14:20	14:23:05	1st Charge		2.90	
	14:36	14:37:49	2nd Charge		1.48	
	15:05	15:10:24	J hook		4.73	steel on j hooks (10/25/2023 15:06 Tim Maclin)
	15:14	15:16:58	J hook		2.38	steel on j hooks (10/25/2023 15:22 Tim Maclin)
	15:19	15:24:31	Tapping		5.52	
63234319	15:24	15:27:31	1st Charge		3.00	
	15:27	15:27:59	Electrode Slip		0.47	
	15:40	15:42:14	2nd Charge		1.43	
	16:16	16:23:02	Tapping		6.25	
63234320	16:23	16:26:02	1st Charge		3.00	
	16:26	16:26:26	Electrode Slip		0.40	
	16:40	16:41:38	2nd Charge		1.48	
	17:05	17:13:31	Breakdown		7.87	
	17:13	17:50:58	J hook		37.45	steel on j hooks (10/25/2023 17:13 Tim Maclin)
	18:02	18:09:46	Tapping		7.20	
63234321	18:09	18:12:46	1st Charge		3.00	
	18:12	18:16:29	Breakdown		3.72	couldnt get pin out light (10/25/2023 18:18 Tim Maclin)
	18:29	18:31:24	2nd Charge		1.43	
	19:03	19:04:41	Carbon Boil		1.37	
	19:08	19:15:05	Tapping		7.08	
63234322	19:15	19:17:51	1st Charge		2.77	
	19:31	19:32:37	2nd Charge		1.53	
	20:05	20:07:53	Tapping		2.85	
	20:07	20:14:58	Tapping		7.08	
63234323	20:14	20:19:58	1st Charge		5.00	
	20:21	20:25:46	Add Electrode		3.97	1595 to tank (10/25/2023 22:34 Tim Maclin)
	20:38	20:39:35	2nd Charge		1.53	
	21:08	21:12:36	Cleaning Ladle Lip		4.40	
	21:16	21:17:46	Lance Taphole		1.40	
	21:17	21:24:04	Tapping		6.30	
63234324	21:24	21:26:57	1st Charge		2.88	
	21:41	21:42:37	2nd Charge		1.52	
	22:10	22:12:12	Carbon Boil		1.42	
	22:18	22:19:17	Tapping		1.00	
	22:19	22:20:29	Recarb		1.20	
	22:20	22:22:05	Lance Taphole		1.60	
	22:22	22:27:28	Tapping		5.38	
63234325	22:27	22:31:27	1st Charge		3.98	
	22:46	22:47:45	2nd Charge		1.62	
	23:16	23:20:59			4.95	
	23:27	23:28:42			0.88	
	23:29	23:34:25	Tapping		4.82	

Days 250.00 70%
Nights 250.00 70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date		10/27/2023				
heat	start time	end time	observer	reason	duration	note
63234326	23:34	07:10:42	1st Charge		1806.28	
	7:29	07:31:20	2nd Charge		1.83	
	7:31	07:41:39	Cold Furnace Start Up		10.32	
	7:55	08:06:15	Cold Furnace Start Up		10.28	
	8:16	08:26:57	Cold Furnace Start Up		10.12	
	8:31	08:35:35	Push Door		4.12	
	8:41	08:43:13	Take Temperature		1.55	
	8:43	08:44:04	Electrodes Moving Slow		0.08	
	8:45	08:45:56	Lance Carbon		3.57	
	8:49	08:49:08	Electrodes Moving Slow		0.05	
	8:50	08:52:26	Cold Furnace Start Up		2.00	
	8:53	08:56:50	Cold Furnace Start Up		3.38	
	9:00	09:05:11	Other		4.67	
	9:07	09:07:16	Take Temperature		0.17	
	9:08	09:17:12	Lance Taphole		9.13	
63234327	9:17	09:34:48	Gunned Furnace		17.60	Skull knocked off on west jam while cleaning slag door. Gunning bricks up. gun water had issues coming on. (10/27/2023 09:31 Tim MacLin)
	9:34	09:36:40	Drop Start Bucket		1.87	
	9:52	09:54:37	2nd Charge		2.23	
	10:23	10:29:26	Crane Busy		6.00	
	10:38	10:44:38	Tapping		6.50	
63234328	10:44	10:48:24	1st Charge		3.77	
	11:03	11:05:46	Waiting For Crane	Training Employee	2.12	
	11:35	11:36:53	Carbon Boil		0.95	
	11:42	11:43:11	Take Temperature		1.15	
	11:43	11:44:53	Lab-Sample		1.60	
	11:45	11:53:39	Tapping		7.88	
63234329	11:53	11:56:39	1st Charge		3.00	
	11:56	12:03:53	Wet Scrap		7.23	Putting out fires on back side of furnace. (10/27/2023 12:00 Richard Phelps) B phase won't move down to slip after wet charge. (10/27/2023 12:06 Richard Phelps)
	12:06	12:08:59	Electrode Slip		2.93	
	12:24	12:26:57	2nd Charge		2.07	
	12:56	12:57:44	Take Temperature		0.85	
	13:03	13:03:46	Take Temperature		0.53	
	13:04	13:10:48	Tapping		6.62	
	13:10	13:13:55	1st Charge		3.12	
	13:13	13:15:06	Wet Scrap		1.18	
	13:15	13:16:26	Electrode Slip		1.33	
	13:31	13:34:00	Waiting For Crane	Training Employee	2.28	
63234330	14:05	14:06:24	Carbon Boil		0.85	Bottom low, can not get good readings. (10/27/2023 15:50 Richard Phelps)
	14:09	14:15:57	Take Temperature		6.28	
	14:17	14:18:54	Take Temperature		1.78	
	14:20	14:27:09	Tapping		6.97	
	14:27	14:30:08	1st Charge		3.00	
	14:30	14:31:39	Waiting For Crane		1.50	
	14:31	14:32:15	Electrode Slip		0.60	
	14:32	14:32:41	Electrode Slip		0.43	
	14:47	14:48:52	2nd Charge		1.67	
	15:19	15:24:48	Take Temperature		5.07	
	15:27	15:30:20	Lab-Sample		2.55	
	15:30	15:38:21	Carbon Boil		5.47	
	15:39	15:40:50	Take Temperature		1.35	
	15:41	15:50:31	Tapping		8.53	
	15:50	15:55:42	1st Charge		5.18	
63234332	16:10	16:12:37	2nd Charge		2.17	Bottom low, could not get a reading. (10/27/2023 15:29 Richard Phelps)
	16:42	16:44:10	Carbon Boil		1.20	
	16:44	16:44:58	Take Temperature		0.80	
	16:44	17:01:09	Blank	Make Sequence	16.18	
	17:07	17:09:36	Lance Taphole		2.32	
	17:09	17:17:18	Tapping	Training Employee	7.70	
	17:17	17:21:22	1st Charge		4.07	
	17:37	17:40:05	Waiting For Crane	Dropped Charge Off-Center	2.40	
	17:40	17:42:26	Mash With Bucket		2.35	
63234333	18:11	18:13:05	Carbon Boil	Training Employee	1.22	Could not see in camera, waited on someone to help slip electrode. (10/27/2023 18:50 Richard Phelps) 1600 (10/27/2023 18:48 Richard Phelps)
	18:19	18:25:38	Lab-Sample		5.72	
	18:26	18:34:27	Tapping		7.68	
	18:34	18:37:27	1st Charge		3.00	
	18:37	18:38:15	Electrode Slip		0.80	
	18:38	18:41:01	Electrode Slip		2.77	
	18:42	18:47:29	Add Electrode		4.97	
	19:02	19:06:07	2nd Charge		3.13	
	19:33	19:34:18	Carbon Boil		0.80	
	19:40	19:41:21	Tapping		1.10	
63234335	19:41	19:50:01	Tapping	Other	8.12	spray ring hose busted (10/27/2023 19:57 Richard Phelps)gunned ice while waiting on maint (10/27/2023 19:59 Richard Phelps)
	19:50	19:53:01	1st Charge		3.00	
	19:53	20:05:56	Breakdown		12.92	
	20:21	20:23:15	2nd Charge		1.70	
	20:53	20:54:01	Carbon Boil		0.97	
	21:00	21:08:31	Tapping		8.18	
	21:08	21:12:44	1st Charge		4.22	
	21:15	21:21:29	Add Electrode		6.20	
	21:34	21:36:32	2nd Charge		1.68	
	22:03	22:05:07	Carbon Boil		1.20	
63234337	22:11	22:11:20	Take Temperature	Training Employee	0.30	put a phase in b phase some got numbers off in gems 1623 added (10/27/2023 21:24 Richard Phelps)
	22:12	22:22:21	Tapping		10.07	
	22:22	22:25:07	1st Charge		2.77	
	22:25	22:26:28	Other		1.20	
	22:42	22:44:21	2nd Charge		1.68	
	22:52	22:52:57	Tapping		0.02	
	23:13	23:15:36	Carbon Boil		1.85	
	23:19	23:22:39	Taking Sample TMSD		3.52	
	23:23	23:31:30	Tapping		7.68	
	23:31	23:34:29	1st Charge		2.98	
63234338	23:52	23:54:11	2nd Charge	Training Employee	1.73	runner fill (10/27/2023 22:26 Richard Phelps)
	0:23	00:24:52	Carbon Boil		1.15	
	0:28	00:29:59	Carbon Boil		1.75	
	0:30	00:39:06	Lance Carbon		9.05	
	0:39	00:43:08	1st Charge		4.03	
	0:46	00:50:22	Add Electrode		4.25	
	0:50	00:51:43	Other		0.93	
	1:05	01:07:02	2nd Charge		1.82	
	1:37	01:38:45	Carbon Boil		1.42	
	1:41	01:44:37	Lab-Sample		3.30	
63234340	1:46	01:55:00	Tapping	Training Employee	8.50	had some mud in the nozzle wear they changed plates (10/28/2023 02:52 Richard Phelps)
	1:55	01:57:55	1st Charge		2.92	
	2:14	02:16:01	2nd Charge		1.67	
	2:47	02:48:14	Carbon Boil		1.13	
	2:51	02:55:33	Redump Ladle		4.22	
	2:57	02:58:37	Other		1.35	
	2:59	03:09:10	Tapping		9.38	
	3:09	03:12:08	1st Charge		2.97	
	3:28	03:29:57	2nd Charge		1.70	
	4:01	04:03:01	Carbon Boil		1.40	
63234342	4:05	04:14:53	Tapping	Training Employee	9.15	
	4:14	04:19:31	1st Charge		4.63	
	4:35	04:37:05	2nd Charge		1.50	
	4:37	04:40:30	Caster Close to Slag Out		3.42	
	5:08	05:10:39	Carbon Boil		1.67	
	5:14	05:16:20	Take Temperature		1.90	
	5:17	05:25:09	Tapping		8.12	
	5:25	05:28:18	1st Charge		3.15	
	5:43	05:45:33	2nd Charge		1.70	
	6:16	06:18:03	Carbon Boil		1.63	
63234343	6:20	06:31:55	Redump Ladle	Training Employee	11.58	
	6:34	06:44:25	Tapping		10.10	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/28/2023

heat	start time	end time	obser	reason	duration	note
63234344	6:44	08:24:25	Section Size Change		100.00	drain ice lanced hole in the center put 1 bag in the center hung the chains touching 3 links in the center ran the bank machine and gunned the fce. (10/28/2023 08:07 Richard Phelps)
	8:24	08:26:47	Drop Start Bucket		2.37	
	8:44	08:46:18	2nd Charge		1.78	
	8:46	08:51:15	Cold Furnace Start Up		4.95	
	9:10	09:16:36	Cold Furnace Start Up		6.25	
	9:25	09:29:30	Cold Furnace Start Up		4.38	
	9:34	09:39:20	Cold Furnace Start Up		4.35	
	9:44	09:47:48	Lance Taphole		2.92	
	9:47	09:54:24	Tapping		6.60	
63234345	9:54	10:00:13	1st Charge		5.82	
	10:17	10:19:07	2nd Charge		2.12	
	10:45	10:46:40	Other		0.88	problems at the pump house turning caster around (10/28/2023 10:51 Richard Phelps)
	10:49	10:50:05	Carbon Boil		1.07	
	10:52	13:09:48	Breakdown		137.32	leak out to the pump house turning caster around. (10/28/2023 10:55 Richard Phelps)
	13:19	13:26:25	Other		6.43	sanding ladle (10/28/2023 13:20 Richard Phelps)
	13:29	13:33:11	Lance Taphole		3.42	
	13:34	13:40:17	Tapping		5.87	
63234346	13:40	13:44:23	1st Charge		4.10	
	14:00	14:03:05	2nd Charge		2.23	
	14:23	14:43:05	Other		19.93	trouble trimming heat (10/28/2023 14:27 Clark, Robert)
	14:51	14:52:45	Carbon Boil		1.05	
	14:59	15:03:26	Lance Taphole		3.60	
	15:04	15:11:41	Tapping		7.08	
63234347	15:11	15:14:41	1st Charge		3.00	
	15:14	15:15:39	Waiting For Crane	Training Employee	0.97	
	15:32	16:44:08	Pour Back (Caster)		71.47	turning caster around had problems with #2 and #4 strand (10/28/2023 15:47 Clark, Robert)heat froze off (10/28/2023 15:55 Clark, Robert)
	16:44	16:45:38	2nd Charge		1.50	
	17:18	17:21:14	Push Door		2.98	cant get temp (10/28/2023 17:20 Clark, Robert)
	17:27	17:46:43	Lance Carbon		18.93	
	17:46	17:46:50			0.02	
	17:48	17:55:59	Tapping		7.87	
63234348	17:55	17:58:59	1st Charge		3.00	
	17:58	18:17:48	Gunned Furnace		18.82	
	18:17	18:29:53	Pour Back (Caster)		12.08	
	18:31	18:34:20	Other		2.90	checking fires (10/28/2023 18:37 Clark, Robert)
	18:36	18:43:10	Lance Carbon		6.55	
	18:43	18:52:06	Lab-Sample		8.93	
	18:52	18:56:09	Lance Carbon		3.62	
	19:00	19:09:54	Tapping		9.72	
63234349	19:09	19:14:38	1st Charge		4.73	
	19:30	19:32:38	2nd Charge		1.67	
	19:56	20:24:08	Blank	Billet Jammed	27.40	hung up on y guides (10/28/2023 20:21 Ben Gearin)
	20:33	20:33:59			0.90	
	20:35	20:43:45	Tapping		7.98	
63234350	20:43	20:46:57	1st Charge		3.20	
	21:03	21:04:56	2nd Charge		1.63	
	21:28	21:41:28	Breakdown		12.90	had to replace #2 torch (10/29/2023 01:39 Ben Gearin)
	21:49	21:50:47	Carbon Boil		1.22	
	21:52	22:00:51	Tapping		8.32	
63234351	22:00	22:05:08	1st Charge		4.28	
	22:20	22:22:31	2nd Charge		2.42	
	22:45	23:02:35	Breakdown		16.98	hd to replace torch tip (10/28/2023 22:46 Clark, Robert)
	23:07	23:08:37	Carbon Boil		1.45	
	23:13	23:15:40	Breakdown		2.25	#2 (10/29/2023 01:39 Ben Gearin)
	23:16	23:22:55	Tapping		6.25	
63234352	23:22	23:27:27	1st Charge		4.53	
	23:43	23:45:14	2nd Charge		1.85	
	0:08	00:14:11	Breakdown		5.30	
	0:21	00:22:40	Breakdown		1.55	
	0:25	00:34:25	Tapping		8.70	
63234353	0:34	00:39:44	1st Charge		5.32	
	0:56	00:58:13	2nd Charge		1.83	
	1:22	01:38:25	Breakdown		16.12	#2 (10/29/2023 01:41 Ben Gearin)
	1:41	01:42:41	Carbon Boil		1.08	
	1:47	01:48:44	Carbon Boil		1.62	
	1:49	01:57:28	Tapping		7.67	
63234354	1:57	02:00:13	1st Charge		2.75	
	2:15	02:17:41	2nd Charge		1.78	
	2:50	02:58:45	Tapping		8.40	
63234355	2:58	03:03:29	1st Charge		4.73	
	3:05	03:09:14	Add Electrode		3.60	1605s (10/29/2023 03:51 Clark, Robert)
	3:23	03:25:30	2nd Charge		1.73	
	3:31	03:31:12			0.02	
	3:56	03:57:05	Carbon Boil		1.07	
	3:57	03:57:16			0.05	
	3:58	04:06:39	Tapping		8.63	
63234356	4:06	04:11:04	1st Charge		4.42	
	4:11	04:21:15	Add Electrode		9.32	adding hot...1602 (10/29/2023 04:13 Clark, Robert)
	4:21	04:45:41	Electrode Break	Other	23.83	
	5:00	05:01:47	2nd Charge		1.67	
	5:34	05:43:18	Tapping		9.13	
63234357	5:43	05:47:18	1st Charge		4.00	
	5:54	05:54:29			0.00	
	6:03	06:05:41	2nd Charge		1.77	
	6:34	06:36:51	Carbon Boil		2.32	
	6:40	06:52:50	Lance Carbon		12.75	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/29/2023

heat	start time	end time	obsr	reason	duration	note
63234358	6:52	06:56:23	1st Charge		3.55	
	6:56	07:14:45	Gunned Furnace		18.37	
	7:31	07:40:13	Breakdown		8.60	Vassel will not fill up. Having to dump lime in 2nd bucket. (10/29/2023 07:33 GRAY, CODY)
	8:09	08:10:12	Carbon Boil		1.06	
	8:12	08:12:56	Electrodes Moving Slow		0.15	
	8:13	08:15:28	Lance Carbon		2.45	
	8:15	08:23:21	Tapping		7.88	
63234359	8:23	08:26:57	1st Charge		3.60	
	8:26	08:27:50	Electrode Slip		0.88	
	8:32	08:38:08	Add Electrode		5.90	1589 (10/29/2023 08:37 GRAY, CODY)
	8:50	08:51:44	2nd Charge		1.60	
	9:21	09:22:46	Carbon Boil		1.03	
	9:25	09:26:47	Lance Carbon		1.77	
	9:26	09:27:57	Lance Taphole		1.17	
	9:27	09:35:06	Tapping		7.15	
63234360	9:35	09:38:45	1st Charge		3.65	
	9:55	09:57:54	2nd Charge		2.62	
	10:26	10:35:53	Clutch		9.87	Strand 1 (10/29/2023 10:34 GRAY, CODY)
	10:39	10:41:18	Carbon Boil		1.73	
	10:45	10:46:58	Lance Carbon		1.93	
	10:46	10:48:54	Lance Taphole		1.93	
	10:48	10:56:44	Tapping		7.83	
63234361	10:56	11:00:29	1st Charge		3.75	
	11:16	11:19:21	2nd Charge		2.57	
	11:50	11:51:05	Carbon Boil		1.03	
	11:52	11:59:00	Lance Carbon		6.60	
	11:59	11:59:56	Lance Taphole		0.93	
	11:59	12:07:07	Tapping		7.18	
63234362	12:07	12:13:44	Plugged		6.62	
	12:13	12:15:26	Drop Slant Bucket		1.70	
	12:30	12:33:08	2nd Charge		2.18	
	13:03	13:05:11	Carbon Boil		1.25	
	13:06	13:10:38	Lance Carbon		3.77	
	13:11	13:18:46	Tapping		7.50	
63234363	13:18	13:22:28	1st Charge		3.70	
	13:22	13:23:27	Electrode Slip		0.98	
	13:25	13:30:27	Add Electrode		4.78	1590 (10/29/2023 13:26 GRAY, CODY)
	13:34	13:49:49	Electrode Break	Other	15.82	A crew broke electrode after adding hot. Wasn't sure if it was a bad add. We swapped B phase normal at 16 counts. Broke at 38 counts. (10/29/2023 17:07 GRAY, CODY)
	13:49	17:26:00	Breakdown		216.18	B phase broke and arc hit C phase spray ring and head. Short stick B phase added 1594. (10/29/2023 17:15 GRAY, CODY)
	17:26	17:26:43	Electrodes Moving Slow		0.10	
	17:26	17:27:02	Electrodes Moving Slow		0.10	
	17:27	17:27:25	Electrodes Moving Slow		0.17	
	17:28	17:28:16	Electrodes Moving Slow		0.05	
	17:28	17:28:23	Electrodes Moving Slow		0.02	
	17:28	17:32:17	2nd Charge		3.32	
	17:40	17:40:28	Other		0.45	Sent melt recipe into charge 2 at 102 counts. Dropped 2nd charge at 43 counts. (10/29/2023 17:41 GRAY, CODY)
	18:05	18:06:10	Take Temperature		0.60	
	18:06	18:07:06	Take Temperature		0.48	
	18:10	18:10:21	Take Temperature		0.05	
	18:10	18:12:48	Take Temperature		2.35	
	18:22	18:26:34	Recarb		3.95	
	18:31	18:32:25	Take Temperature		1.12	
	18:35	18:38:05	Lance Taphole		2.40	
	18:38	18:44:07	Tapping		6.03	
63234364	18:44	18:47:07	1st Charge		3.00	
	18:47	18:52:52	Lab Sample		5.75	
	19:09	19:11:26	2nd Charge		2.08	
	19:46	19:47:11	Take Temperature		0.90	
	19:48	19:55:21	Tapping		6.68	
63234365	19:55	19:58:24	1st Charge		3.05	
	20:14	20:16:07	2nd Charge		1.50	
	20:16	20:21:46	Breakdown		5.65	wont fill or inject (10/29/2023 20:44 Ben Gearin)
	20:51	20:51:44	Lance Taphole		0.22	
	20:53	21:00:58	Tapping		7.40	
63234366	21:00	21:03:37	1st Charge		2.65	
	21:20	21:22:03	2nd Charge		1.50	
	21:22	21:24:50	Breakdown		2.78	not injectin (10/29/2023 21:25 GRAY, CODY)
	21:50	21:51:38	Carbon Boil		0.87	
	21:57	22:03:29	Tapping		5.75	
63234367	22:03	22:07:46	1st Charge		4.28	
	22:23	22:25:09	2nd Charge		1.73	
	22:51	22:52:56	Carbon Boil		1.15	
	22:58	23:07:19	Tapping		8.93	
63234368	23:07	23:10:24	1st Charge		3.08	
	23:26	23:27:58	2nd Charge		1.65	
	23:51	00:05:07	Breakdown		13.55	broke torch tip (10/29/2023 23:52 GRAY, CODY)
	0:13	00:18:48	Tapping		5.50	
63234369	0:18	00:22:53	1st Charge		4.08	
	0:25	00:32:01	Add Electrode		6.10	put b in c spare trodes is 1593 (10/30/2023 00:27 GRAY, CODY)
	0:44	00:46:37	2nd Charge		1.67	
	1:17	01:18:02	Other		0.23	
	1:18	01:23:55	Tapping		5.33	
63234370	1:23	01:26:33	1st Charge		2.63	
	1:42	01:44:34	2nd Charge		1.63	
	1:57	01:57:54			0.00	
	2:09	02:14:41	Other		5.30	came off caster late (10/30/2023 02:09 GRAY, CODY)
	2:18	02:20:01	Carbon Boil		1.03	
	2:20	02:20:11	Other		0.07	
	2:23	02:33:16	Tapping		9.35	
63234371	2:33	02:37:01	1st Charge		3.75	
	2:52	02:54:07	2nd Charge		1.67	
	3:25	03:26:22	Carbon Boil		1.32	
	3:28	03:34:37	Tapping		5.75	
63234372	3:34	03:37:45	1st Charge		3.13	
	3:53	03:54:52	2nd Charge		1.67	
	4:18	04:26:08	Other		7.48	bunny cart losing hydraulics 3rd time this weekend (10/30/2023 04:28 Ben Gearin)
	4:38	04:40:08	Carbon Boil		1.33	
	4:40	04:46:08	Lance Carbon		6.00	
	4:48	04:54:12	Tapping		6.07	
63234373	4:54	04:57:21	1st Charge		3.15	
	5:13	05:15:22	2nd Charge		1.50	
	5:15	05:25:12	Radiation Alarm		9.83	dump scrap and reload (10/30/2023 05:48 Ben Gearin)probably rain cleaned photoeyes (10/30/2023 05:49 Ben Gearin)
	5:55	06:04:21	Tapping		8.47	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/30/2023

heat	start time	end time	obsr	reason	duration	note
63234374	6:04	06:08	1st Charge		4.47	
	6:24	06:25:58	2nd Charge		1.67	
	6:56	06:58:33	Other		2.08	Swapped Operator. (10/30/2023 16:40 Tim MacLin)
	7:00	07:05:53	Tapping		5.37	
63234375	7:05	07:08:54	1st Charge		3.02	
	7:23	07:25:15	2nd Charge		1.52	
	7:54	07:58:45	Swap to backup ladle		4.98	
	8:07	08:07:06	Electrodes Moving Slow		0.07	
	8:07	08:09:57	Recarb		2.75	Coal conveyor down. (10/30/2023 08:22 Tim MacLin)
	8:09	08:11:45	Lance Taphole		1.80	
	8:11	08:17:08	Tapping		5.38	
	8:17	08:20:08	1st Charge		3.00	
63234376	8:20	08:20:56	Electrode Slip		0.80	
	8:20	08:21:19	Electrode Slip		0.38	
	8:35	08:37:09	2nd Charge		1.62	
	9:10	09:11:42	Carbon Boil		1.05	
	9:12	09:13:25	Take Temperature		1.00	
	9:13	09:19:59	Lance Carbon		6.63	
	9:19	09:22:51	1st Charge		2.87	
	9:35	09:35:19	Electrodes Moving Slow		0.02	
	9:38	09:43:41	2nd Charge		5.35	
	10:15	10:19:01	Breakdown		4.00	Strand four torch issues, had to blank the strand. (10/30/2023 10:23 Tim MacLin)
	10:19	10:21:37	Lance Taphole		2.60	
	10:21	10:26:44	Tapping		5.12	
63234378	10:26	10:31:39	1st Charge		4.92	
	10:34	10:39:18	Add Electrode		4.97	1581 to tank. (10/30/2023 10:36 Tim MacLin)
	10:51	10:53:00	2nd Charge		1.55	
	11:03	11:03:01	Electrodes Moving Slow		0.02	
	11:22	11:27:52	Breakdown		5.37	Strand four torch issues, had to blank the strand (10/30/2023 16:40 Tim MacLin)
	11:32	11:34:57	Tapping		2.50	
	11:34	11:39:47	Tapping		4.83	
	11:39	11:43:18	1st Charge		3.52	
63234379	11:58	11:59:47	2nd Charge		1.83	
	12:31	12:34:04			2.83	
	12:38	12:44:51	Tapping		6.82	
	12:44	12:48:43	1st Charge		3.87	
63234380	13:03	13:04:45	2nd Charge		1.55	
	13:35	13:45:41	Plate Charge		10.68	
	13:50	13:53:52	Tapping		3.80	
	13:53	13:56:16	Tapping		5.40	
63234381	13:59	14:02:17	1st Charge		3.02	
	14:16	14:17:43	2nd Charge		1.52	
	14:50	14:56:07	Tapping		5.85	
	14:56	14:59:42	1st Charge		3.58	
63234382	15:02	15:09:42	Add Electrode		6.90	1582 to tank (10/30/2023 16:37 Tim MacLin)
	15:20	15:22:06	2nd Charge		1.45	
	15:51	15:53:38	Cleaning Ladle Lip		2.00	
	15:53	16:01:20	Other		7.70	Lancing nozzle. (10/30/2023 16:38 Tim MacLin)
	16:03	16:04:35	Carbon Boil		0.67	
	16:04	16:04:41	Electrodes Moving Slow		0.02	
	16:07	16:10:03	Lance Taphole		2.87	
	16:10	16:15:43	Tapping		5.67	
63234383	16:15	16:18:19	1st Charge		2.60	
	16:31	16:33:25	2nd Charge		1.53	
	17:06	17:09:46	Lance Taphole		2.90	
	17:09	17:14:25	Tapping		4.65	
63234384	17:14	17:18:02	1st Charge		3.62	
	17:31	17:33:02	2nd Charge		1.67	
	18:03	18:07:06	Plate Charge		3.93	
	18:13	18:19:49	Tapping		6.37	
63234385	18:19	18:22:48	1st Charge		3.00	
	18:22	18:36:43	Gunned Furnace		13.90	
	18:51	18:53:13	2nd Charge		1.95	
	18:26	19:30:30	Cleaning Ladle Lip		3.78	
	19:31	19:34:32	Lance Taphole		2.77	
	19:34	19:40:47	Training Employee		6.25	
	19:40	19:42:47	Pack Tap Hole		2.00	
63234386	19:42	20:01:02	Gunned Furnace		18.25	Under number 2, under number 1, B wall, and behind breast area. (10/30/2023 19:54 Richard Phelps)
	20:01	20:03:22	Plugged		2.33	
	20:03	20:04:31	Drip Stir Bucket		1.15	
	20:21	20:23:18	2nd Charge		1.60	
	20:54	20:56:07	Carbon Boil		2.00	
	20:58	20:59:53	Lance Taphole		1.73	
	20:59	21:05:01	Tapping		5.13	
	21:05	21:08:01	1st Charge		3.00	
63234387	21:08	21:18:21	Breakdown		10.33	hose (10/30/2023 21:20 Richard Phelps)
	21:33	21:36:14	2nd Charge		2.25	
	22:05	22:05:53	Carbon Boil		0.80	
	22:08	22:11:03	Push Door		2.42	
	22:12	22:19:14	Lance Taphole		7.13	
	22:19	22:22:14	1st Charge		3.00	
	22:22	22:28:07	Skull arcing		5.88	
	22:44	22:46:10	2nd Charge		1.70	
63234388	23:15	23:20:15	Recarb		4.77	
	23:20	23:25:11	Tapping		4.93	
	23:25	23:29:29	1st Charge		4.30	
	23:45	23:47:11	2nd Charge		1.53	
	0:16	00:17:09	Carbon Boil		0.58	
	0:17	00:17:29	Electrodes Moving Slow		0.05	
	0:20	00:22:00	Lance Carbon		1.48	
	0:22	00:24:00	Blank	Make Sequence	2.00	Short heat (10/31/2023 00:23 Richard Phelps)
63234390	0:24	00:28:59	Tapping		4.98	
	0:28	00:31:39	1st Charge		2.67	
	0:42	00:42:50	Electrodes Moving Slow		0.02	
	0:48	00:49:42	2nd Charge		1.65	
	1:17	01:26:35	Cleaning Ladle Lip		9.45	
	1:28	01:30:00	Carbon Boil		1.07	
	1:32	01:33:24	Take Temperature		0.80	
	1:33	01:34:33	Raking tap hole		1.15	
63234391	1:34	01:40:18	Tapping		5.75	
	1:40	01:43:20	1st Charge		3.03	
	1:59	02:01:07	2nd Charge		1.97	
	2:29	02:31:33	Carbon Boil		2.22	
63234392	2:34	02:43:18	Lance Taphole		8.40	
	2:43	02:47:13	1st Charge		3.92	
	3:03	03:05:14	2nd Charge		1.85	
	3:32	03:33:52			1.32	
	3:35	03:35:32			1.08	
	3:40	03:48:18	Tapping		7.55	
63234393	3:48	04:39:05	Radiation Alarm		50.78	Primary radiation alarm disconnected it's self won't connect back. Back up radiation keeps setting off alarm with no truck passing through. Gunned tap hole while Elch working on radiation. (10/31/2023 04:04 Richard Phelps) (10/31/2023 04:05 Richard Phelps)
	4:55	04:56:54	2nd Charge		1.22	
	4:56	04:57:48	Mash With Bucket	Big Scrap on Top	0.90	
	5:24	05:25:35	Carbon Boil		0.77	
63234394	5:29	05:31:17	Lance Taphole		1.53	
	5:31	05:36:31	Tapping		5.23	
	5:36	05:39:57	1st Charge		3.43	
	5:56	05:58:31	2nd Charge		1.67	
	6:28	06:29:54	Carbon Boil		1.23	
	6:32	06:41:12	Lance Carbon		9.08	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 10/31/2023

heat	start time	end time	descr	reason	duration	note
63234396	6:41	06:44:12	1st Charge		3.02	
	6:44	06:45:33	Electrode Slip		1.35	
	6:48	06:56:12	Add Electrode		7.57	1583 to tank (10/31/2023 06:18 Tim MacIn)
	7:07	07:09:19	2nd Charge		1.53	
	7:38	07:39:58	Carbon Boil		1.52	
	7:43	07:49:27	Tapping		6.33	
63234396	7:49	07:52:38	1st Charge		3.18	
	8:05	08:07:22	2nd Charge		1.53	
	8:38	08:47:51	Blank		9.67	On three strands. (10/31/2023 08:41 Tim MacIn)
	8:51	08:52:43	Take Temperature		1.50	
	8:52	08:55:13	Recarb		2.50	
	8:55	09:00:36	Tapping		5.38	
63234397	9:00	09:04:35	1st Charge		3.98	
	9:19	09:20:29	2nd Charge		1.48	
	9:54	10:01:43	Blank	Strand Started Late	7.05	
	10:01	10:06:20	Tapping		4.62	
63234398	10:06	10:09:14	1st Charge		2.90	
	10:22	10:24:20	2nd Charge		1.55	
	10:54	11:00:56	Plate Change		6.63	
	11:04	11:07:14	Plate Change		2.75	
	11:07	11:08:29	Lance Taphole		1.25	
	11:08	11:14:26	Tapping		5.86	
63234398	11:14	11:18:23	1st Charge		3.95	
	11:32	11:33:44	2nd Charge		1.48	
	12:06	12:11:51	Plate Change		4.97	
	12:11	12:16:52	Tapping		5.02	
63234400	12:16	12:21:54	1st Charge		5.03	
	12:34	12:36:28	2nd Charge		1.58	
	13:09	13:11:00	Carbon Boil		1.33	
	13:14	13:20:44	Tapping		6.07	
63234401	13:20	13:23:36	1st Charge		2.87	
	13:36	13:38:44	2nd Charge		1.77	
	14:10	14:11:52	Carbon Boil		1.07	
	14:13	14:15:20	Lance Carbon		2.30	Coal conveyor down. (10/31/2023 14:15 Tim MacIn)
	14:15	14:16:02	Lance Taphole		0.76	
	14:16	14:20:52	Tapping		4.83	
63234402	14:20	14:24:27	1st Charge		3.58	
	14:27	14:34:48	Add Electrode		7.50	1584 to tank. (10/31/2023 15:30 Tim MacIn)
	14:45	14:46:53	2nd Charge		1.52	
	15:17	15:23:40	Tapping		7.87	
63234403	15:25	15:28:40	1st Charge		3.00	
	15:28	15:29:50	Electrode Slip		1.17	
	15:32	15:36:53	Add Electrode		4.08	1587 to tank (10/31/2023 16:31 Tim MacIn)
	15:47	15:49:53	2nd Charge		2.65	
	16:22	16:23:03	Carbon Boil		0.80	
	16:25	16:27:23	Tapping		2.30	
	16:27	16:32:24	Tapping		5.02	
63234404	16:32	16:34:58	1st Charge		2.57	
	16:48	16:50:11	2nd Charge		1.52	
	17:21	17:21:43	Take Temperature		0.63	
	17:22	17:27:40	Tapping		5.15	
63234405	17:27	17:36:37	1st Charge		2.98	
	17:40	17:40:48			0.00	
	17:43	17:45:19	2nd Charge		1.57	
	18:19	18:20:15	Lance Carbon		1.22	
	18:20	18:24:40	Tapping		4.42	
63234406	18:24	18:27:40	1st Charge		3.00	
	18:27	18:35:35	Gunned Furnace		7.92	
	18:50	18:51:46	2nd Charge		1.55	
	19:25	19:27:34	Carbon Boil		2.12	
	19:28	19:28:45	Electrodes Moving Slow		0.05	
	19:28	19:30:53	Lance Carbon		2.05	
	19:31	19:38:00	Tapping		6.32	
63234407	19:38	20:53:37	Section Size Change		75.62	gunned the fce 360 (10/31/2023 20:04 GRAY, CODY)
	20:53	20:55:34	Drop Start Bucket		1.95	
	20:55	20:55:58	Mag Head Ring	Excessive Build-Up	0.40	
	20:56	20:59:08	Reset KWH meter		2.85	
	21:13	21:15:13	2nd Charge		1.60	
	21:48	21:50:03	Carbon Boil		1.35	
	21:50	21:53:18	Section Size Change		2.37	Waiting on ladle both cranes tied up doing section change. (10/31/2023 21:52 GRAY, CODY)
	21:55	21:59:01	Section Size Change		3.45	Ladle on the way, furnace ready to tap. (10/31/2023 21:56 GRAY, CODY)
	22:00	22:05:23	Lance Taphole		4.97	Lance pipe came apart. (10/31/2023 22:02 GRAY, CODY)
	22:06	22:09:54	Lance Taphole		3.15	
	22:09	22:15:56	Tapping		6.03	
63234408	22:15	22:22:02	Drop Start Bucket		6.10	Ladle crane finishing caster section change, Charge crane tapped heat with the ladle. Had to move from ladle rack to bucket after tap. (10/31/2023 22:23 GRAY, CODY)
	22:36	22:38:39	2nd Charge		1.68	
	23:12	23:13:28	Carbon Boil		0.97	
	23:13	23:15:49	Lance Taphole		1.92	
	23:15	23:20:40	Tapping		4.85	
63234409	23:20	23:24:03	1st Charge		3.38	
	23:39	23:40:53	2nd Charge		1.72	
	0:09	00:29:07	Other		19.63	Stir rod would not come down, casters had to blank down to give ladle tender time so they would not miss pig. (11/1/2023 00:13 GRAY, CODY)
	0:30	00:32:19	Carbon Boil		2.13	
	0:34	00:35:11	Take Temperature		0.63	
	0:35	00:37:15	Lance Taphole		1.28	
63234410	0:37	00:43:16	Tapping		5.05	
	0:43	00:46:46	1st Charge		3.47	
	1:00	01:02:47	2nd Charge		1.80	
	1:02	01:04:34	Mash With Bucket	Big Scrap on Top	1.78	
	1:34	01:39:57	Other		5.12	
	1:44	01:47:56	Lance Taphole		3.87	
	1:47	01:53:20	Tapping		5.40	
63234411	1:53	01:55:20	Pack Tap Hole		2.00	
	1:55	01:57:20	Electrode Slip		2.00	Also slipped B and C phase (11/1/2023 02:01 GRAY, CODY)
	1:57	02:21:20	Breakdown		24.00	clevis on the westside broke (11/1/2023 02:02 GRAY, CODY) chain broke on the weerside (11/1/2023 02:11 GRAY, CODY)
	2:21	02:23:35	Drop Start Bucket		2.25	
	2:37	02:39:35	2nd Charge		1.70	
	3:08	03:10:46	Carbon Boil		0.82	
	3:13	03:16:30	Recarb		3.00	
	3:16	03:21:58	Tapping		5.47	
63234412	3:21	03:27:18	Clean Slag Door		5.33	
	3:39	03:39:38	Electrodes Moving Slow		0.02	
	3:41	03:43:13	2nd Charge		1.65	
	4:14	04:15:10	Carbon Boil		0.83	
	4:17	04:18:22	Take Temperature		0.48	
	4:18	04:25:44	Tapping		6.77	
63234413	4:25	04:30:21	1st Charge		4.62	
	4:44	04:46:32	2nd Charge		1.73	
	5:18	05:19:41	Carbon Boil		1.20	
	5:20	05:27:50	Lance Taphole		7.23	
63234414	5:27	05:32:54	1st Charge		5.07	
	5:47	05:49:18	2nd Charge		1.75	
	6:19	06:23:25	Breakdown		4.02	Chain broke, casters blanked down to give furnace time to get it fixed and catch up. (11/1/2023 06:21 GRAY, CODY)
	6:26	06:27:35	Carbon Boil		1.13	
	6:28	06:36:46	Lance Taphole		6.02	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 11/1/2023

heat	start time	end time	obser	reason	duration	note
63234415	6:36	06:39:46	1st Charge		3.00	
	6:39	06:49:26	Gunned Furnace		9.67	Gunned west jam, knocked out while cleaning door. (11/1/2023 07:51 Tim MacIn)
	7:03	07:05:25	2nd Charge		1.63	
	7:39	07:40:33	Carbon Boil		1.10	
	7:42	07:48:21	Lance Carbon		5.90	
	7:48	07:53:10	Tapping		4.82	
63234416	7:53	07:55:56	1st Charge		2.77	
	8:09	08:11:00	2nd Charge		1.60	
	8:11	08:12:10	Mash With Bucket	Excessive Build-Up	1.17	
	8:43	08:45:16	Crane Busy		2.00	Situating ladles. (11/1/2023 09:00 Tim MacIn)
	8:48	08:50:37	Crane Busy		2.00	Situating ladles. (11/1/2023 09:01 Tim MacIn)
	8:50	08:56:26	Tapping		5.82	
63234417	8:56	08:59:17	1st Charge		2.85	
	9:13	09:14:53	2nd Charge		1.65	
	9:43	09:59:22	Crane Busy		15.90	Situating ladles, caster on three strands.. Late slag out. (11/1/2023 12:35 Tim MacIn)
	10:03	10:06:26	Tapping		2.70	
	10:06	10:11:44	Tapping		5.27	
63234418	10:11	10:16:58	1st Charge		5.23	
	10:18	10:25:54	Add Electrode		7.27	1588 to tank (11/1/2023 10:30 Tim MacIn)
	10:26	10:26:31	Electrodes Moving Slow		0.13	
	10:38	10:40:27	2nd Charge		1.57	
	11:14	11:21:53	Tapping		7.87	
63234419	11:21	11:24:53	1st Charge		3.00	
	11:24	11:31:41	Gunned Furnace		6.80	
	11:45	11:47:14	2nd Charge		1.63	
	12:23	12:23:53	Carbon Boil		0.65	
	12:24	12:30:06	Tapping		5.53	
63234420	12:30	12:33:00	1st Charge		2.90	
	12:46	12:47:42	2nd Charge		1.62	
	13:21	13:21:37	Take Temperature		0.45	
	13:22	13:26:41	Tapping		4.48	
63234421	13:26	13:30:48	1st Charge		4.12	
	13:45	13:46:52	2nd Charge		1.70	
	14:17	14:18:06	Carbon Boil		0.88	
	14:19	14:19:34	Take Temperature		0.40	
	14:20	14:24:43	Tapping		4.72	
63234422	14:24	14:27:43	1st Charge		3.00	
	14:27	14:35:31	Gunned Furnace		7.80	
	14:49	14:50:35	2nd Charge		1.50	
	14:50	14:51:48	Mash With Bucket	Excessive Build-Up	1.22	
	15:24	15:27:33	Breakdown		2.80	
	15:27	15:31:57	Tapping		4.40	
63234423	15:31	15:34:57	1st Charge		3.00	
	15:34	15:35:44	Electrode Slip		0.78	
	15:35	15:36:23	Electrode Slip		0.65	
	15:40	15:44:06	Add Electrode		3.98	1701 to tank (11/1/2023 15:44 Tim MacIn)
	15:54	15:55:57	2nd Charge		1.87	
	16:28	16:31:58	Plate Change		3.33	
	16:34	16:35:01	Take Temperature		0.32	
	16:36	16:38:08			2.00	Clamming pit. (11/1/2023 18:47 Tim MacIn) (11/1/2023 18:47 Tim MacIn)
	16:38	16:44:17	Tapping		6.15	
63234424	16:44	16:46:53	1st Charge		2.57	
	16:49	16:56:00	Add Electrode		6.40	1702 to tank (11/1/2023 18:45 Tim MacIn)
	17:06	17:08:21	Drop Start Bucket		1.58	
	17:38	17:38:38	Take Temperature		0.57	
	17:41	17:46:03	Tapping		4.67	
63234425	17:46	17:49:03	1st Charge		3.00	
	18:02	18:04:14	2nd Charge		1.65	
	18:14	18:14:12	Electrodes Moving Slow		0.02	
	18:34	18:35:10	Carbon Boil		0.37	
	18:39	18:43:45	Tapping		4.57	
63234426	18:43	18:46:56	1st Charge		3.18	
	19:01	19:03:06	2nd Charge		1.53	
	19:33	19:38:24	Blank	Caster Running Slow	4.83	Crew before was running caster really slow. Causing caster to be behind and furnace waiting on ladle. (11/1/2023 19:36 GRAY, CODY) (11/1/2023 19:37 GRAY, CODY)
	19:40	19:40:42			0.55	
	19:41	19:42:14	Take Temperature		0.25	
	19:42	19:42:59	Take Temperature		0.60	
	19:42	19:46:50	Raking tap hole		3.85	Crew before did not put shovle back in its place to rack hole. Had to find shovel. (11/1/2023 19:48 GRAY, CODY)
	19:46	19:51:32	Tapping		4.70	
63234427	19:51	19:54:32	1st Charge		3.00	
	19:54	19:58:33	Clean Slag Door		4.02	
	20:12	20:15:02	Waiting For Crane	Training Employee	2.40	Dropped 2nd bucket. (11/1/2023 20:15 GRAY, CODY)
	20:15	20:17:48	Mash With Bucket	Dropped Charge Off Center	2.77	
	20:50	20:53:31	Lance Taphole		3.33	
	20:53	20:58:42	Tapping		5.18	
63234428	20:58	21:02:33	1st Charge		3.85	
	21:17	21:19:04	2nd Charge		1.97	
	21:48	21:50:27	Lance Taphole		1.85	
	21:53	21:54:41	Lance Taphole		1.47	
	21:54	22:00:45	Tapping		6.07	
63234429	22:00	22:04:30	1st Charge		3.75	
	22:19	22:21:27	2nd Charge		2.17	
	22:51	22:55:01	Swap to backup ladle		3.78	
	23:00	23:04:18	Swap to backup ladle		4.02	
	23:04	23:04:52	Lance Taphole		0.57	
	23:04	23:10:26	Tapping		5.57	
63234430	23:10	23:14:19	1st Charge		3.88	
	23:28	23:30:50	2nd Charge		1.95	
	0:02	00:12:23	Other		10.33	Swap ladle, #6 has hole in refractory. (11/2/2023 00:04 GRAY, CODY)
	0:14	00:19:19	Tapping		5.20	
	0:19	00:34:18	Shutdown		14.98	
					Days	250.00
					Nights	250.00
						70%
						70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 11/2/2023

heat	start time	end time	obser	reason	duration	note
63234431	0:34	18:29:23	Downday		1075.08	
	18:47	18:49:20	2nd Charge		1.50	
	18:49	18:54:20	Cold Furnace Start Up		5.00	
	18:54	18:58:18	Hoses		3.97	
	19:14	19:19:30	Cold Furnace Start Up		5.20	
	19:30	19:36:00	Cold Furnace Start Up		5.15	
	19:48	19:49:04	Take Temperature		0.73	
	19:50	19:54:23	Lance Carbon		3.87	
	19:55	20:05:59	Tapping		10.02	
63234432	20:05	20:40:22	1st Charge		34.38	
	20:57	20:58:53	2nd Charge		1.52	
	21:32	21:35:02	Push Door		2.37	
	21:36	21:41:27	Push Door		4.75	
	21:44	21:53:40	Tapping		8.75	
63234433	21:53	21:56:29	1st Charge		2.82	
	22:12	22:13:52	2nd Charge		1.62	
	22:49	22:53:56	Lance Taphole		4.00	
	22:53	23:03:39	Tapping		9.72	
63234434	23:03	23:07:52	1st Charge		4.22	
	23:23	23:25:14	2nd Charge		2.15	
	23:58	00:00:35	Push Door		1.83	
	0:03	00:06:16	Lab-Sample		2.93	
	0:07	00:14:27	Tapping		7.13	
63234435	0:14	00:18:01	1st Charge		3.57	
	0:33	00:34:49	2nd Charge		1.55	
	1:06	01:14:06	Other		7.90	brought ladle out of back (11/3/2023 01:49 GRAY, CODY)
	1:17	01:28:10	Tapping		10.18	
63234436	1:28	01:30:45	1st Charge		2.58	
	1:46	01:47:54	2nd Charge		1.60	
	2:22	02:33:29	Push Door		11.25	door stuck (11/3/2023 02:48 GRAY, CODY)
	2:36	02:45:32	Tapping		9.50	
63234437	2:45	02:58:52	1st Charge		13.33	
	3:14	03:16:07	2nd Charge		1.63	
	3:51	03:54:49	Lab-Sample		3.27	
	3:56	04:00:00	Lance Taphole		4.00	
	4:00	04:08:00	Tapping		8.00	
63234438	4:08	04:11:00	1st Charge		3.00	
	4:11	04:14:53	Plugged		3.88	
	4:29	04:31:19	2nd Charge		1.50	
	4:41	04:41:15			0.00	
	4:59	05:07:28	Breakdown		8.18	
	5:12	05:14:12	Take Temperature		1.83	
	5:20	05:34:17	Tapping		14.25	
63234439	5:34	05:37:19	1st Charge		3.03	
	5:51	05:53:24	2nd Charge		1.53	
	6:30	06:42:37	Tapping		12.28	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 11/3/2023

heat	start time	end time	obser	reason	duration	note
63234440	6:42	06:45:44	1st Charge		3.12	
	7:01	07:03:07	2nd Charge		1.72	
	7:35	07:40:25	Push Door		4.52	
	7:43	07:53:06	Tapping		9.22	
63234441	7:53	07:58:31	1st Charge		5.42	
	8:00	08:10:11	Add Electrode		9.22	A1702....B1588....S1703 (11/3/2023 08:11 SMITH, ANTHONY)
	8:23	08:25:46	2nd Charge		1.78	
	9:01	09:04:20	Carbon Boil		2.87	
	9:05	09:13:17	Taking Sample TMSD		8.00	got 3 differnt smples all ddiffernt (11/3/2023 09:17 SMITH, ANTHONY)
	9:13	09:19:31	Tapping		6.23	
63234442	9:19	09:22:45	1st Charge		3.23	
	9:39	09:41:34	2nd Charge		1.78	
	10:16	10:23:01	Other		6.12	crane swaping laddles had to get steel off] hooks got a laddle to hot patch (11/3/2023 10:20 SMITH, ANTHONY)
	10:24	10:36:37	Tapping		11.95	
63234443	10:36	10:40:28	1st Charge		3.85	
	10:43	10:47:46	Add Electrode		4.28	1704s...1703c (11/3/2023 10:45 SMITH, ANTHONY)
	11:00	11:01:52	2nd Charge		1.67	
	11:31	11:31:56	Carbon Boil		0.72	
	11:33	11:50:40	Redump Ladle		16.70	
	11:53	12:06:04	Tapping		12.32	
63234444	12:06	12:09:24	1st Charge		3.33	
	12:25	12:27:10	2nd Charge		1.65	
	12:59	13:12:33			12.87	z (11/3/2023 13:08 SMITH, ANTHONY)
	13:18	13:28:08	Tapping		9.53	
63234445	13:28	13:31:05	1st Charge		2.95	
	13:46	13:48:38	2nd Charge		1.73	
	14:21	14:32:44	Cleaning Ladle Lip		11.40	
	14:36	14:43:08	Tapping		6.83	
63234446	14:43	14:47:33	1st Charge		4.42	
	14:50	14:57:15	Add Electrode		7.05	1705s..1702b....1704a (11/3/2023 14:52 SMITH, ANTHONY)
	15:09	15:11:43	2nd Charge		1.80	
	15:41	15:45:27			3.52	
	15:47	15:55:30	Tapping		7.75	
63234447	15:55	15:59:07	1st Charge		3.62	
	15:59	16:21:05	Breakdown		21.85	broke the chain on south side (11/3/2023 16:00 SMITH, ANTHONY)
	16:36	16:38:24	2nd Charge		1.80	
	17:09	17:14:35			5.17	
	17:19	17:26:17	Tapping		6.67	
63234448	17:26	17:29:35	1st Charge		3.30	
	17:45	17:47:37	2nd Charge		1.82	
	18:19	18:37:32	Plate Change		18.23	
	18:43	18:50:17	Tapping		7.13	
63234449	18:50	18:55:14	1st Charge		4.95	
	19:10	19:12:23	2nd Charge		1.52	
	19:44	19:48:54	Blank	Duluth Grade	4.50	
	19:52	19:59:56	Tapping		7.67	
63234450	19:59	20:02:56	1st Charge		3.00	
	20:02	21:59:09	Section Size Change		116.22	
	22:14	22:15:29	2nd Charge		1.43	
	22:57	23:04:58	Tapping		7.88	
63234451	23:04	23:07:51	1st Charge		2.88	
	23:23	23:24:30	2nd Charge		1.48	
	0:03	00:13:08	Tapping		9.37	
63234452	0:13	00:16:35	1st Charge		3.45	
	0:31	00:32:32	2nd Charge		1.53	
	1:07	01:09:31	Recarb		2.45	
	1:12	01:22:10	Tapping		9.55	
63234453	1:22	01:24:40	1st Charge		2.50	
	1:40	01:42:13	2nd Charge		1.48	
	2:15	02:18:09	Recarb		2.50	
	2:18	02:26:21	Tapping		8.20	
63234454	2:26	02:29:28	1st Charge		3.12	
	2:44	02:45:50	2nd Charge		1.53	
	3:18	03:21:54	Cleaning Ladle Lip		3.00	
	3:21	03:29:16	Tapping		7.37	
63234455	3:29	03:32:33	1st Charge		3.28	
	3:47	03:49:12	2nd Charge		1.53	
	4:20	04:26:12	Swap to backup ladle		6.02	
	4:30	04:37:59	Tapping		7.95	
63234456	4:37	04:40:59	1st Charge		3.00	
	4:40	04:59:19	Plugged		18.33	
	5:14	05:16:05	2nd Charge		1.72	
	5:47	05:48:01	Carbon Boil		0.97	
	5:51	05:53:00	Take Temperature		1.60	
	5:53	06:06:24	Tapping		12.45	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 11/4/2023

heat	start time	end time	obser	reason	duration	note
63234457	6:06	06:09:24	1st Charge		3.00	
	6:09	06:10:10	Electrode Slip		0.77	
	6:25	06:26:52	2nd Charge		1.52	
	6:58	06:59:35	Carbon Boil		0.72	
	7:01	07:07:37	Tapping		5.67	
63234458	7:07	07:10:30	1st Charge		2.88	
	7:26	07:26:32	2nd Charge		1.75	
	8:01	08:09:36	Tapping		8.35	
63234459	8:09	08:13:12	1st Charge		3.60	
	8:20	08:20:45			0.00	
	8:28	08:30:32	2nd Charge		1.77	
	9:04	09:05:14	Carbon Boil		1.20	
	9:05	09:13:38	Tapping		8.40	
63234460	9:13	09:16:49	1st Charge		3.18	
	9:32	09:35:31	2nd Charge		2.97	
	10:08	10:09:23	Carbon Boil		1.20	
	10:09	10:20:10	Tapping		10.78	
63234461	10:20	10:24:13	1st Charge		4.05	
	10:27	10:31:48	Add Electrode		4.32	1706s...1705c (11/4/2023 10:30 SMITH, ANTHONY)
	10:44	10:46:49	2nd Charge		2.18	
	11:10	11:25:11	Break Out		14.63	
	11:34	11:34:36	Take Temperature		0.38	
63234462	11:35	11:44:27	Lance Taphole		8.73	
	11:44	11:49:50	1st Charge		5.38	
	11:51	11:59:34	Add Electrode		8.20	1697s...1704b...1706a (11/4/2023 11:56 SMITH, ANTHONY)
	12:13	12:14:45	Lance Carbon		1.68	
	12:45	12:52:19	Tapping		6.57	
63234463	12:52	12:55:35	1st Charge		3.27	
	13:11	13:14:07	2nd Charge		2.48	
	13:39	13:47:32	Plate Change		8.08	
	13:47	13:47:40			0.00	
	13:55	13:58:44	Carbon Boil		1.75	
	13:58	14:01:27	Lance Carbon		2.65	
	14:03	14:11:37	Tapping		7.92	
	14:11	14:14:32	1st Charge		2.92	
	14:30	14:32:40	2nd Charge		2.35	
	14:55	15:10:01	Plate Change		14.12	
63234464	15:17	15:18:30	Carbon Boil		0.93	
	15:22	15:30:35	Tapping		8.43	
	15:30	15:35:20	1st Charge		4.75	
	15:50	15:53:01	2nd Charge		2.17	
	15:53	15:54:34	Other		1.48	hoses on fire (11/4/2023 15:53 SMITH, ANTHONY) (11/4/2023 16:26 SMITH, ANTHONY) (11/4/2023 16:27 SMITH, ANTHONY)
63234466	16:26	16:27:42	Carbon Boil		1.08	
	16:29	16:36:30	Tapping		7.28	
	16:38	16:39:30	1st Charge		3.00	
	16:39	16:49:11	Gunned Furnace		9.68	
	17:05	17:07:01	2nd Charge		1.82	
63234467	17:30	17:36:27	Other		6.45	came off caster late (11/4/2023 17:30 SMITH, ANTHONY)
	17:45	17:46:22	Carbon Boil		1.20	
	17:47	17:58:02	1st Charge		10.45	
	17:58	18:01:03	1st Charge		3.02	
63234468	18:17	18:19:21	2nd Charge		1.83	
	18:49	18:50:38	Carbon Boil		0.67	
	18:53	19:00:30	Tapping		7.30	
	19:00	19:03:32	1st Charge		3.03	
	19:18	19:19:53	2nd Charge		1.53	
63234469	19:52	20:03:28	Tapping		10.57	
	20:03	20:07:01	1st Charge		3.55	
	20:09	20:14:48	Add Electrode		5.00	1698 (11/4/2023 21:13 SMITH, ANTHONY) clamp hose busted (11/4/2023 21:14 SMITH, ANTHONY)
	20:14	20:34:41	Breakdown	Hydraulics	19.88	
	20:47	20:48:56	2nd Charge		1.53	
63234470	21:20	21:23:48	Recarb		3.00	
	21:23	21:31:24	Tapping		7.60	
	21:31	21:34:28	1st Charge		3.07	
	21:49	21:50:36	2nd Charge		1.48	
	22:16	22:27:34	Plate Change		10.62	
63234471	22:34	22:37:13	Plate Change		3.02	
	22:39	22:50:16	Tapping		10.80	
	22:50	22:53:25	1st Charge		3.15	
	23:10	23:11:30	2nd Charge		1.50	
	23:42	23:43:19	Carbon Boil		0.90	
63234472	23:45	23:58:39	Tapping		13.05	
	23:58	00:02:07	1st Charge		3.47	
	0:17	00:19:39	2nd Charge		1.93	
	0:46	00:51:59	Cleaning Ladle Lip		5.28	
	0:56	00:59:44	Cleaning Ladle Lip		2.93	
	1:03	01:03:09	Take Temperature		0.10	
	1:04	01:10:23	Tapping		6.33	
	1:09	01:15:47	Tapping		6.62	
	1:10	01:17:43	1st Charge		7.33	
	1:33	01:35:19	2nd Charge		1.95	
63234474	1:15	01:18:47	1st Charge		3.00	
	1:18	01:20:03	Electrode Slip		1.27	
	1:34	01:36:25	2nd Charge		1.55	
	1:36	01:38:58	Mash With Bucket	Big Scrap on Top	2.55	
	2:11	02:17:12	Tapping		5.67	
63234475	2:17	02:20:24	1st Charge		3.20	
	2:36	02:40:27	2nd Charge		3.90	
	3:07	03:11:56	Swap to backup ladle		4.75	
	3:18	03:19:15	Recarb		0.52	
	3:21	03:28:41	Tapping		7.65	
63234476	3:28	03:31:41	1st Charge		3.00	
	3:31	03:32:51	Electrode Slip		1.17	
	3:48	03:53:08	Caster Close to Slip Out		4.95	
	4:24	04:25:45	Take Temperature		1.35	
	4:26	04:26:52	Take Temperature		0.28	
	4:27	04:32:42	Tapping		5.02	
63234477	4:32	04:35:36	1st Charge		2.90	
	4:50	04:51:36	2nd Charge		1.53	
	5:24	05:25:17	Take Temperature		0.47	
	5:26	05:32:25	Tapping		6.35	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 11/5/2023

heat	start time	end time	obser	reason	duration	note
63234478	5:32	05:35:24	1st Charge		2.98	
	5:50	05:52:12	2nd Charge		1.62	
	6:19	06:44:08			25.08	
	6:51	06:52:32			1.13	
63234479	6:56	07:05:57	Tapping		9.47	
	7:05	07:11:58	1st Charge		6.02	
	7:28	07:29:52	2nd Charge		1.73	
	8:01	08:03:50	Lance Taphole		2.00	
63234480	8:03	08:09:42	Tapping		5.67	
	8:09	08:12:42	1st Charge		3.00	
	8:12	08:25:34	Gunned Furnace		12.87	
	8:41	08:43:08	2nd Charge		1.65	
	9:07	09:36:01	Other		28.85	came off caster late (11/5/2023 09:07 SMITH, ANTHONY) laddle crane had hvac problems ...laddle sat up top slag harden in the nozzle had trouble getting through nozzle (11/5/2023 10:06 SMITH, ANTHONY)
63234481	9:48	09:59:47	Tapping		11.58	
	9:59	10:04:08	1st Charge		4.35	
	10:19	10:21:41	2nd Charge		2.18	
	10:56	11:04:27	Tapping		7.83	
63234482	11:04	11:07:17	1st Charge		2.83	
	11:22	11:24:33	2nd Charge		2.45	
	11:48	12:09:22	Break Out		21.22	
	12:20	12:29:52	Tapping		9.50	
63234483	12:29	12:35:21	1st Charge		5.48	
	12:38	12:46:18	Add Electrode		7.37	1699s...1698c....1697b (11/5/2023 12:43 SMITH, ANTHONY)
	12:58	13:00:10	2nd Charge		1.78	
	13:07	13:07:22			0.02	
63234484	13:32	13:40:56	Tapping		8.47	
	13:40	13:45:09	1st Charge		4.22	
	13:48	13:52:09	Add Electrode		3.88	1699a....1700s (11/5/2023 13:50 SMITH, ANTHONY)
	14:04	14:06:34	2nd Charge		1.70	
63234485	14:40	14:47:23	Tapping		6.93	
	14:47	14:50:21	1st Charge		2.97	
	15:06	15:07:52	2nd Charge		1.70	
	15:42	15:50:17	Tapping		8.13	
63234486	15:50	15:53:05	1st Charge		2.80	
	16:08	16:11:04	2nd Charge		2.15	
	16:34	16:47:56	Breakdown - Pusher		13.32	water pipe broke to pusher had to blank strand and weld back (11/5/2023 18:07 Ben Gearin)
	16:55	16:57:27	Breakdown - Pusher		2.13	
63234487	16:59	17:06:24	Tapping		6.55	
	17:06	17:11:08	1st Charge		4.73	
	17:26	17:29:17	2nd Charge		2.35	
	18:00	18:02:00	Take Temperature		1.08	
63234488	18:03	18:10:08	Tapping		6.33	
	18:10	18:14:11	1st Charge		4.05	
	18:30	18:32:25	2nd Charge		1.68	
	18:53	19:04:37	Plate Change		4.75	
63234489	19:13	19:23:21	Tapping		9.77	
	19:23	19:26:18	1st Charge		2.95	
	19:42	19:44:48	2nd Charge		2.23	
	20:16	20:16:35	Take Temperature		0.42	
63234490	20:17	20:24:11	Tapping		6.37	
	20:24	20:27:24	1st Charge		3.22	
	20:37	20:37:01	Electrodes Moving Slow		0.02	
	20:43	20:45:14	2nd Charge		1.82	
63234491	21:12	21:17:45	Cleaning Ladle Lip		5.58	
	21:22	21:32:22	Tapping		9.70	
	21:32	21:35:31	1st Charge		3.15	
	21:50	21:52:21	2nd Charge		2.05	
63234492	22:19	22:27:42	Plate Change		8.00	stat var tripped (11/6/2023 05:08 SMITH, ANTHONY)
	22:27	22:29:54	Break down		2.20	
	22:41	22:44:21	Lance Taphole		3.00	
	22:44	22:50:42	Tapping		6.35	
63234493	22:50	22:53:42	1st Charge		3.00	
	22:53	22:55:16	Electrode Slip		1.57	
	22:59	23:07:21			8.00	s1695 (11/5/2023 23:16 SMITH, ANTHONY)
	23:07	23:12:01	Low Water Flow		4.67	b phase stool water line was kinked (11/5/2023 23:17 SMITH, ANTHONY)
63234494	23:23	23:25:23	2nd Charge		1.50	
	23:25	23:27:24	Breakdown		2.02	
	23:58	00:00:15	Push Door		1.58	
	0:00	00:05:44	Tapping		4.80	
63234495	0:05	00:10:30	1st Charge		4.77	
	0:24	00:26:53	2nd Charge		1.90	
	0:57	01:03:00	Breakdown		5.52	broke pole (11/6/2023 05:14 SMITH, ANTHONY)
	1:07	01:13:50	Tapping		6.00	
63234496	1:13	01:19:05	1st Charge		5.25	
	1:34	01:36:24	2nd Charge		1.95	
	2:08	02:09:34	Take Temperature		0.87	
	2:11	02:18:10	Tapping		6.58	
63234497	2:18	02:21:10	1st Charge		3.00	
	2:21	02:27:32	Plugged		6.37	
	2:43	02:45:07	2nd Charge		1.93	
	3:17	03:18:46	Take Temperature		1.23	
63234498	3:21	03:28:28	Tapping		6.53	
	3:28	03:32:22	1st Charge		3.90	
	3:47	03:49:15	2nd Charge		1.50	
	3:49	03:58:38	Other		9.38	ladle spun going to caster had to take it to the south to turn it straight (11/6/2023 05:18 SMITH, ANTHONY)
63234499	4:31	04:31:50	Take Temperature		0.23	
	4:32	04:35:24	Cleaning Ladle Lip		2.60	
	4:35	04:37:48	Lance Taphole		2.40	
	4:37	04:43:52	Tapping		6.07	
63234500	4:43	04:46:52	1st Charge		3.00	
	4:46	04:50:02	Breakdown		3.17	lost my pin light had to use the manual station (11/6/2023 05:02 SMITH, ANTHONY)
	5:06	05:08:04	2nd Charge		1.50	
	5:08	05:09:37	Breakdown		1.55	lost oin out light (11/6/2023 05:10 SMITH, ANTHONY)
63234501	5:41	05:48:39	Tapping		6.93	
					Days	250.00
					Nights	250.00
						70%
						70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 11/17/2023

heat	start time	end time	obser	reason	duration	note
63234498	5:48	07:54:44	1st Charge		5886.08	
	7:55	07:55:22			0.00	
	7:55	10:07:30	2nd Charge		132.05	
	10:07	14:49:30	Planned Maintenance		10362.00	Fall Outage (11/17/2023 15:07 EAF EAF)
	15:11	15:13:47	2nd Charge		2.70	
	15:13	15:26:47	Cold Furnace Start Up		13.00	
	15:44	15:56:02	Cold Furnace Start Up		11.93	
	16:09	16:20:08	Cold Furnace Start Up		10.67	
	16:25	16:27:57	Cold Furnace Start Up		2.60	
	16:31	16:33:49	Cold Furnace Start Up		2.30	
	16:35	16:38:19			2.58	
	16:40	16:51:58			11.87	
	16:58	17:08:36	Tapping		10.38	
63234499	17:08	17:11:36	1st Charge		3.00	
	17:11	17:12:36	Electrode Slip		1.00	
	17:12	17:18:20	Rub EAF Build Up		5.73	Visually checked furnace. (11/17/2023 18:39 Tim Maclin)
	17:36	17:37:48	2nd Charge		1.67	
	18:12	18:20:01	Lance Taphole		7.75	
	18:20	18:27:44	Tapping		7.72	
63234500	18:27	18:33:15	1st Charge		5.52	
	18:50	18:52:00	2nd Charge		1.55	
	19:22	19:28:51	Push Door		5.93	Scrap behind breast. (11/17/2023 19:37 GRAY, CODY)
	19:34	19:36:16	Take Temperature		1.62	
	19:36	19:47:31	Lance Taphole		11.25	
63234501	19:47	19:51:07	1st Charge		3.60	
	20:06	20:08:06	2nd Charge		1.57	
	20:40	20:41:28	Carbon Boil		1.15	
	20:44	20:46:55	Lance Carbon		2.65	
	20:46	20:47:29	Lance Taphole		0.57	
	20:47	20:54:55	Tapping		7.43	
63234502	20:54	21:00:00	1st Charge		5.08	
	21:16	21:17:49	2nd Charge		1.80	
	21:17	21:53:38	Breakdown - Pusher		35.82	Strand #1, Swapping C phase into B phase and adding electrode 1696 while waiting on casters to slag out before starting back up. (11/17/2023 21:26 GRAY, CODY)
	22:25	22:29:47	Lance Taphole		4.35	
	22:29	22:39:56	Tapping		10.15	Lost pin in light. Had to tap from manual station. (11/17/2023 22:40 GRAY, CODY)
	22:39	22:43:38	Breakdown		3.70	Lost pin in light. (11/17/2023 22:41 GRAY, CODY)
	22:43	22:45:01	Drop Start Bucket		1.38	
63234503	22:45	22:48:22	Reset KWH meter		2.45	Had to manually end heat after dropping charge. KWH did not rest when pressed. (11/17/2023 22:53 GRAY, CODY)
	22:55	22:55:42			0.03	
	23:04	23:05:40	Drop Start Bucket		1.58	
	23:33	23:34:22			1.12	
	23:38	23:41:21			2.42	
	23:42	23:51:12			9.10	
63234504	23:51	23:54:15	1st Charge		3.05	
	0:10	00:12:04	2nd Charge		1.60	
	0:43	00:44:04	Carbon Boil		1.07	
	0:46	00:52:32	Lance Carbon		5.78	
	0:52	01:01:06	Lance Taphole		8.57	
63234505	1:01	01:04:06	1st Charge		3.00	
	1:04	01:12:48	Gunned Furnace		8.70	Brick showing by number 1 burner. (11/18/2023 01:06 GRAY, CODY)
	1:12	01:14:14	Drop Start Bucket		1.43	
	1:17	01:22:27	Add Electrode		4.47	1693 (11/18/2023 01:19 GRAY, CODY)
	1:35	01:38:40	Breakdown		2.80	Lost pin in light. (11/18/2023 01:43 GRAY, CODY)
	1:38	01:40:16	2nd Charge		1.60	
	1:40	01:43:15	Mag Bezel Ring		2.98	
	2:13	04:23:37	Breakdown		129.87	Cutter stacker lost power to all panels. No power at cutter stacker, had to shut ladle off. (11/18/2023 02:54 GRAY, CODY)
	4:36	04:42:33	Lance Carbon		5.82	
	4:42	04:44:45	Lance Taphole		2.20	
	4:44	04:52:17	Tapping		7.53	
63234506	4:52	04:56:26	1st Charge		4.15	
	5:13	05:14:44	2nd Charge		1.45	
	5:14	05:16:06	Mash With Bucket	Excessive Build-Up	1.37	
	5:45	05:46:45	Carbon Boil		1.08	
	5:51	05:55:14	Lance Taphole		4.02	
	5:55	06:02:47	Tapping		7.55	
Days				250.00	70%	
Nights				250.00	70%	

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 11/18/2023

heat	start_time	end_time	obser	reason	duration	note
63234507	6:02	06:06:00	1st Charge		3.22	
	6:22	06:24:22	2nd Charge		1.50	
	6:24	06:25:30	Mash With Bucket	Excessive Build-Up	1.13	
	6:54	06:59:33			4.85	
	7:02	07:02:44	Carbon Boil		0.68	
	7:04	07:16:43	Tapping		12.13	
63234508	7:16	07:19:43	1st Charge		3.00	
	7:19	07:21:12	Electrode Slip		1.48	
	7:37	07:39:25	2nd Charge		1.57	
	8:08	08:09:48	Carbon Boil		1.13	
	8:13	08:16:06	Lance Taphole		2.75	
	8:16	08:22:59	Tapping		6.88	
63234509	8:22	08:25:25	1st Charge		2.43	
	8:40	08:42:21	2nd Charge		1.70	
	9:14	09:14:43	Carbon Boil		0.72	
	9:19	09:28:05	Tapping		8.87	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 11/20/2023

heat	start time	end time	class	reason	duration	note
63234510	8:28	09:32:17	1st Charge		4.20	
	9:32	05:20:02	Break down		2627.75	With external cause lost power through out whole mill. (11/20/2023 05:16 EAF EAF)
	5:20	05:20:55	Electrodes Moving Slow		0.08	
	5:23	05:33:59	Other		10.35	Mag shred into bore holes. Electrodes single phasing after sitting on start bucket with 9 counts for 3 days. (11/20/2023 05:28 EAF EAF)
	5:39	05:45:07	Combustion Chamber		6.03	Number 2 no gas flow. Number 5 no gas or oxygen flow. (11/20/2023 05:40 EAF EAF)
	5:55	05:57:14	Breakdown		1.63	Lost pin in light. (11/20/2023 05:57 EAF EAF)
	5:57	05:58:50	2nd Charge		1.60	
	5:58	06:04:03	Cold Furnace Start Up		5.22	TVA external power loss. Down for 3 days with start bucket in furnace with 9 KWH counts. (11/20/2023 06:01 EAF EAF)
	6:22	06:23:07	Cold Furnace Start Up		5.60	
	6:37	06:44:22	Cold Furnace Start Up		6.38	
	6:47	06:52:50	Push Door		4.87	Skull in door after sitting for 3 days with KWH 9 counts. (11/20/2023 06:51 EAF EAF)
	6:55	07:00:12	Push Door		4.48	Scrap behind breast can't get a temp. (11/20/2023 06:58 EAF EAF)
	7:02	07:06:40	Break down		4.67	With external cause lost power through out whole mill. (11/20/2023 05:16 EAF EAF) (11/20/2023 09:45 Silva, Camilo)
	7:10	07:11:36	Break down		1.23	With external cause lost power through out whole mill. (11/20/2023 05:16 EAF EAF) (11/20/2023 09:45 Silva, Camilo)
	7:13	07:17:38	Break down		4.35	With external cause lost power through out whole mill. (11/20/2023 05:16 EAF EAF) (11/20/2023 09:45 Silva, Camilo)
	7:17	07:17:44	Break down		0.02	With external cause lost power through out whole mill. (11/20/2023 05:16 EAF EAF) (11/20/2023 09:46 Silva, Camilo)
	7:20	07:35:45	Break down		15.17	With external cause lost power through out whole mill. (11/20/2023 05:16 EAF EAF) (11/20/2023 09:46 Silva, Camilo)
	7:42	07:43:18	Break down		1.20	With external cause lost power through out whole mill. (11/20/2023 05:16 EAF EAF) (11/20/2023 09:46 Silva, Camilo)
	7:50	07:51:13	Break down		1.22	With external cause lost power through out whole mill. (11/20/2023 05:16 EAF EAF) (11/20/2023 09:46 Silva, Camilo)
	7:52	08:01:53	Tapping		8.97	
63234511	8:01	08:04:53	1st Charge		3.00	
	8:04	08:49:02	Pourback	Chemistry	44.15	
	8:53	08:57:58	Pourback	Chemistry	4.52	
	9:07	09:12:25	Taking Sample TMSD		5.17	
	9:21	09:30:56	Tapping		9.18	
63234512	9:30	09:45:43	1st Charge		14.78	
	10:02	10:04:04	2nd Charge		1.50	
	10:04	10:06:19			2.25	roof didnt swing all the way on (11/20/2023 10:07 EAF EAF)
	10:36	10:38:21	Carbon Boil		1.38	
	10:40	10:42:55	Lance Carbon		2.05	
	10:43	10:52:12	Tapping		8.15	
63234513	10:52	10:54:38	1st Charge		2.43	
	11:07	11:07:25			0.00	
	11:10	11:12:18	2nd Charge		1.73	
	11:42	11:43:49	Carbon Boil		1.72	
	11:48	11:52:30	Cleaning Ladle Lip		4.00	
	11:52	12:02:02	Tapping		9.53	
63234514	12:02	12:20:15	1st Charge		18.22	
	12:36	12:38:20	2nd Charge		1.62	
	13:03	13:10:40	Blank	Stream Quality	6.98	
	13:18	13:20:30	Carbon Boil		1.87	
	13:21	13:30:04	Tapping		8.47	
63234515	13:30	13:37:37	1st Charge		7.55	
	13:53	13:55:22	2nd Charge		1.43	
	14:23	15:00:09			36.60	water running into strand 1 and 2 panel at cutter stacker. lost power to panel (11/20/2023 14:52 EAF EAF)
	15:04	15:06:06	Take Temperature		1.43	
	15:07	15:08:58	Carbon Boil		1.87	
	15:11	15:21:40	Tapping		10.32	
63234516	15:21	15:24:27	1st Charge		2.78	
	15:40	15:42:05	2nd Charge		1.68	
	16:14	16:15:07			0.87	
	16:16	16:30:58	Tapping		14.20	
63234517	16:30	16:33:36	1st Charge		2.97	
	16:34	16:48:36	Skull arcing		14.52	
	17:04	17:06:12	2nd Charge		1.55	
	17:33	17:34:15			0.87	
	17:40	17:48:09	Tapping		8.00	
63234518	17:48	17:51:33	1st Charge		3.40	
	18:07	18:09:22	2nd Charge		1.45	
	18:19	18:19:22			0.00	
	18:38	18:39:19			1.07	
	18:43	18:51:22	Tapping		7.75	
63234519	18:51	18:54:37	1st Charge		3.25	
	19:10	19:12:01	2nd Charge		1.65	
	19:25	19:27:29			2.37	Poured back 8 tons, slag detection went off early. (11/20/2023 19:30 Tim MacIn)
	19:47	19:47:44	Carbon Boil		0.48	
	19:48	21:34:46	Blank		106.68	All strands broke out, Mn/Si ratio low. (11/21/2023 03:40 Tim MacIn)
	21:45	21:47:24	Lance Taphole		2.20	
	21:47	21:54:30	Tapping		7.10	
63234520	21:54	21:57:30	1st Charge		3.00	
	21:57	22:06:19	Gunned Furnace		8.82	Gunned door for pourback. (11/21/2023 03:33 Tim MacIn)
	22:10	22:15:16	Pourback	Chemistry	5.20	Mn/Si ratio, heat was tapped on previous shift. (11/21/2023 03:37 Tim MacIn)
	22:30	22:46:34	Pour Back (Caster)		16.03	Waiting on strands to disconnect. (start-up heat) (11/21/2023 06:32 Tim MacIn)
	22:49	22:57:17	Lab-Sample		7.63	Waiting on sample and for the strands to disconnect. (11/21/2023 03:35 Tim MacIn)
	23:03	23:04:52	Lance Taphole		1.30	
	23:04	23:11:18	Tapping		6.43	
63234521	23:11	23:14:18	1st Charge		3.00	
	23:14	23:15:24	Electrode Slip		1.10	
	23:15	23:16:30	Electrode Slip		1.10	
	23:32	23:34:53	2nd Charge		1.92	
	0:04	00:14:03	Plate Change		9.37	
	0:20	00:21:04	Lance Taphole		1.00	
	0:21	00:27:24	Tapping		6.33	
63234522	0:27	00:30:24	1st Charge		3.00	
	0:30	00:31:23	Electrode Slip		0.98	
	0:34	00:38:41	Add Electrode		3.97	1679 to tank (11/21/2023 03:31 Tim MacIn)
	0:50	00:52:21	2nd Charge		1.82	
	1:23	01:30:30	Tapping		6.52	
63234523	1:30	01:33:49	1st Charge		3.32	
	1:49	01:51:47	2nd Charge		2.32	
	2:23	02:30:54	Tapping		7.02	
63234524	2:30	02:34:48	1st Charge		3.90	
	2:50	02:51:54	2nd Charge		1.65	
	3:27	03:27:37	Carbon Boil		0.43	
	3:28	03:29:19	Lance Taphole		1.10	
	3:29	03:36:28	Tapping		7.15	
63234525	3:36	03:38:10	1st Charge		2.70	
	3:55	03:57:07	2nd Charge		1.87	
	4:27	04:34:03	Cleaning Ladle Lip		7.03	
	4:37	04:38:39	Carbon Boil		0.67	
	4:41	04:48:59	Tapping		7.88	
63234526	4:48	04:51:29	1st Charge		2.50	
	5:05	05:08:45	2nd Charge		1.80	
	5:40	05:44:37	Cleaning Ladle Lip		4.55	
	5:44	05:44:45	Cleaning Ladle Lip		0.05	
	5:49	05:51:38	Cleaning Ladle Lip		2.10	
	5:51	05:57:33	Tapping		5.92	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 11/21/2023

heat	start time	end time	obser	reason	duration	note
63234527	5:57	06:00:33	1st Charge		3.00	
	6:00	06:01:51	Electrode Slip		1.30	
	6:03	06:07:33	Add Electrode		3.70	1680 to tank (11/21/2023 06:06 Tim MacIn)
	6:14	06:23:59	Low Water Flow		9.02	1 inch water line came loose from fitting. (11/21/2023 06:27 Tim MacIn)
	6:30	06:32:24	2nd Charge		1.90	
63234528	7:05	07:09:59	Lance Taphole		4.00	
	7:09	07:17:57	Tapping		7.97	
	7:17	07:21:10	1st Charge		3.22	
	7:37	07:38:39	2nd Charge		1.55	
	8:11	08:19:58	Lance Carbon		8.00	
63234529	8:19	08:27:54	Tapping		7.93	
	8:27	08:31:16	1st Charge		3.37	
	8:31	08:55:06	Upper gear box		23.82	Slag door leaking hydraulic fluid (11/22/2023 08:16 Mattiello, Jackson)
	9:12	09:13:47	2nd Charge		1.47	
	9:14	09:16:51	Fill Taphole Hopper		2.50	Timer for vacuum switch. (11/21/2023 09:19 Tim MacIn)
63234530	9:48	09:58:42	Tapping		10.45	
	9:58	10:01:42	1st Charge		3.00	
	10:01	10:11:42	Breakdown		10.00	north gun down a fire burned some air line had to use south gun and it was almost empty (11/21/2023 13:06 Tim MacIn)
	10:11	10:26:14	Gunned Furnace		16.53	
	10:39	10:39:13	Electrodes Moving Slow		0.03	
63234531	10:44	10:46:29	2nd Charge		1.50	
	10:46	10:47:18	Mash With Bucket	kg Scrap on To	0.82	
	11:19	11:22:09	Lance Carbon		2.67	
	11:23	11:30:02	Tapping		6.70	
	11:30	11:33:00	1st Charge		2.97	
63234532	11:48	11:50:26	2nd Charge		1.63	
	12:17	12:21:48	Cleaning Ladle Lip		3.88	
	12:25	12:27:05	Carbon Boil		1.50	
	12:29	12:30:08	Lance Carbon		1.08	
	12:31	12:38:41	Tapping		7.48	
63234533	12:38	13:01:41	Gunned Furnace		23.00	
	13:17	13:19:26	2nd Charge		1.52	
	13:48	13:49:30	Carbon Boil		0.83	
	13:53	14:03:22	Tapping		9.53	
	14:03	14:06:22	1st Charge		3.00	
63234534	14:06	14:09:13	Burner		2.85	dark spot under jet box looking to make sure it wasnt water (11/21/2023 14:19 EAF EAF)
	14:22	14:24:12	2nd Charge		1.47	
	14:55	14:59:50	Lance Carbon		4.08	
	15:03	15:04:22	Take Temperature		0.47	
	15:07	15:14:59	Tapping		7.72	
63234535	15:14	15:18:14	1st Charge		3.25	
	15:30	15:32:09	2nd Charge		1.43	
	16:08	16:09:34	Carbon Boil		1.12	
	16:11	16:17:33	Tapping		5.93	
	16:17	16:20:33	1st Charge		3.00	
63234536	16:20	16:21:33	Electrode Slip		1.00	
	16:21	16:23:34	Breakdown		2.02	hose was leaking put a new one on (11/21/2023 17:17 SMITH, ANTHONY)
	16:26	16:37:39	Add Electrode		10.77	s1681 (11/21/2023 17:15 SMITH, ANTHONY)
	16:50	16:52:13	2nd Charge		1.83	
	17:00	17:05:30	Break down		4.63	tripped (11/21/2023 17:18 SMITH, ANTHONY)
63234537	17:29	17:36:31	Tapping		7.45	
	17:36	17:39:24	1st Charge		2.88	
	17:56	17:59:16	2nd Charge		2.88	
	18:30	18:31:01	Take Temperature		0.98	
	18:32	18:38:53	Tapping		6.83	
63234538	18:38	18:41:33	1st Charge		2.67	
	18:57	18:58:47	2nd Charge		1.72	
	19:07	19:07:32	Skull arcing		0.02	
	19:29	19:30:22	Carbon Boil		1.03	
	19:32	19:34:12	Take Temperature		1.37	
63234539	19:34	19:39:24	Tapping		5.20	
	19:39	19:42:02	1st Charge		2.63	
	19:57	19:59:08	2nd Charge		1.70	
	19:59	20:05:16	Mash With Bucket	cessive Build-u	6.13	
	20:38	20:39:31	Carbon Boil		0.90	
63234540	20:40	20:44:56	Tapping		4.75	
	20:44	20:48:40	1st Charge		3.73	
	21:04	21:05:39	2nd Charge		1.58	
	21:37	21:38:07	Take Temperature		0.87	
	21:39	21:41:30	Lance Taphole		2.13	
63234541	21:41	21:46:00	Tapping		4.50	
	21:46	21:48:37	1st Charge		2.62	
	21:58	21:58:33	Electrodes Moving Slow		0.03	
	22:03	22:05:25	2nd Charge		1.67	
	22:39	22:44:56	Tapping		5.27	
63234542	22:44	22:47:32	1st Charge		2.60	
	23:02	23:04:06	2nd Charge		1.65	
	23:34	23:42:57	Other		8.60	Peeling skull out of RBT, had to use charge crane. (11/22/2023 00:00 Tim MacIn)
	23:48	23:54:41	Tapping		5.78	
	23:54	23:58:38	1st Charge		3.95	
63234543	0:14	00:15:48	2nd Charge		1.73	
	0:50	00:52:00	Take Temperature		1.80	
	0:52	00:58:06	Tapping		6.10	
	0:58	01:01:12	1st Charge		3.10	
	1:01	01:02:30	Electrode Slip		1.30	
63234544	1:05	01:09:53	Add Electrode		4.23	1682 to tank. (11/22/2023 05:27 Tim MacIn)
	1:21	01:23:33	2nd Charge		1.77	(11/22/2023 05:28 Tim MacIn)
	1:54	01:57:39	Redump Ladle		3.52	
	2:03	02:04:37	Tapping		1.40	
	2:04	02:10:26	Tapping		5.82	
63234545	2:10	02:13:38	1st Charge		3.20	
	2:23	02:27:29	2nd Charge		3.63	Tripped, cave in. (11/22/2023 05:29 Tim MacIn)
	2:33	02:35:17	2nd Charge		1.72	
	3:04	03:07:28	Redump Ladle		2.48	
	3:12	03:13:50	Lance Taphole		1.10	
63234546	3:13	03:19:06	Tapping		5.27	
	3:19	03:22:44	1st Charge		3.63	
	3:37	03:39:13	2nd Charge		1.57	
	4:14	04:19:21	Tapping		5.18	
	4:19	04:22:21	1st Charge		3.00	
63234547	4:22	04:30:07	Gunned Furnace		7.77	
	4:45	04:47:04	2nd Charge		1.72	
	5:21	05:28:25	Tapping		6.73	
	5:28	05:32:37	1st Charge		4.20	
	5:43	05:43:11	Electrodes Moving Slow		0.03	
	5:47	05:51:08	2nd Charge		3.67	
	6:27	06:27:46	Take Temperature		0.15	
	6:29	06:35:23	Tapping		6.32	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 11/22/2023

heat	start time	end time	obser	reason	duration	note
63234548	6:35	06:39:01	1st Charge		3.63	
	6:53	06:55:08	2nd Charge		1.53	
	7:30	07:37:03	Tapping		6.70	
63234549	7:37	07:41:04	1st Charge		4.02	
	7:56	07:58:31	2nd Charge		1.55	
	8:32	08:38:55	Tapping		6.52	
63234550	8:38	08:42:13	1st Charge		3.30	
	8:49	08:49:48			0.00	
	8:57	08:59:28	2nd Charge		1.70	
	9:06	09:11:06	Mag Bezel Ring	Excessive Build-Up	5.00	
	9:38	09:40:09	Take Temperature		1.45	
	9:41	09:41:27	Take Temperature		0.17	
	9:42	09:49:07	Tapping		6.58	
63234551	9:49	09:52:07	1st Charge		3.00	
	9:52	09:56:00	Other		3.88	wet scrap, putting fires out on the east side of furnace (11/22/2023 09:57 Tim Maclin)
	10:11	10:13:16	2nd Charge		1.62	
	10:43	10:44:43			1.07	
	10:47	10:53:19	Tapping		6.18	
63234552	10:53	10:56:19	1st Charge		3.00	
	10:56	10:58:43	Electrode Slip		2.40	
	11:00	11:04:47	Add Electrode		4.10	s1685 (11/22/2023 11:06 Tim Maclin)
	11:18	11:20:12	2nd Charge		1.60	
	11:55	12:00:32	Tapping		5.30	
63234553	12:00	12:03:32	1st Charge		3.00	
	12:03	12:07:48	Operator call off		4.27	run one crane (11/22/2023 14:12 Tim Maclin)
	12:21	12:23:23	2nd Charge		1.62	
	12:59	13:05:28	Tapping		6.02	
63234554	13:05	13:07:28	Pack Tap Hole		2.00	
	13:07	13:12:48	Gunned Furnace		5.33	
	13:28	13:29:37	2nd Charge		1.50	
	13:53	14:00:33	Plate Change		7.00	
	14:00	14:09:27	Operator call off		8.90	
	14:16	14:22:04			5.47	
	14:25	14:36:55	Tapping		11.37	
63234555	14:36	14:43:44	1st Charge		6.82	
	15:00	15:09:23	2nd Charge		8.60	
	15:40	15:48:42	Tapping		8.43	
63234556	15:48	15:51:29	1st Charge		2.78	
	16:08	16:09:56	2nd Charge		1.50	
	16:09	16:13:42	Mash With Bucket	Big Scrap on Top	3.77	
	16:43	16:51:56	Tapping		8.63	
63234557	16:51	16:53:56	Pack Tap Hole		2.00	
	16:53	16:57:56	Gunned Furnace		4.00	Taphole (11/22/2023 17:01 Tim Maclin)
	16:57	16:59:46	2nd Charge		1.83	
	17:16	17:18:49	2nd Charge		1.90	
	17:49	17:50:22			1.37	
	17:51	17:53:45			2.20	
	17:55	17:55:45			0.22	
	17:56	18:03:18	Tapping		6.88	
63234558	18:03	18:06:33	1st Charge		3.25	
	18:23	18:25:09	2nd Charge		1.85	
	18:55	18:57:04			1.08	
	18:58	19:05:25	Tapping		6.62	
63234559	19:05	19:09:00	1st Charge		3.58	
	19:25	19:27:10	2nd Charge		1.92	
	19:56	19:57:40			0.87	
	20:00	20:05:46	Tapping		4.97	
63234560	20:05	20:08:36	1st Charge		2.83	
	20:23	20:25:46	2nd Charge		1.97	
	20:55	21:01:39	Cleaning Ladle Lip		6.22	
	21:05	21:06:52	Tapping		1.50	
	21:06	21:08:57	Lance Taphole		2.08	
	21:08	21:14:18	Tapping		5.35	
63234561	21:14	21:17:18	1st Charge		3.00	
	21:17	21:20:18	Push Door		3.00	
	21:20	21:21:06	Electrode Slip		0.80	
	21:21	21:21:42	Electrode Slip		0.60	
	21:21	21:22:39	Electrode Slip		0.95	
	21:25	21:34:04	Add Electrode		8.85	1686 to top, added hot. (11/22/2023 21:35 Tim Maclin)
	21:46	21:48:49	2nd Charge		1.90	
	22:21	22:27:16	Tapping		5.55	
63234562	22:27	22:30:16	1st Charge		3.00	
	22:30	22:39:53	Gunned Furnace		9.62	Gunned taphole. (11/23/2023 00:24 Tim Maclin)
	22:55	23:00:05	2nd Charge		4.12	
	23:32	23:32:36	Carbon Boil		0.48	
	23:35	23:37:37	Lance Carbon		2.00	
	23:37	23:39:22	Lance Taphole		1.75	
	23:39	23:45:42	Tapping		6.33	
63234563	23:45	23:49:25	1st Charge		3.72	
	0:05	00:07:10	2nd Charge		2.02	
	0:31	01:12:51	Froze Off		41.40	
	1:29	01:36:06	Tapping		7.03	
63234564	1:36	01:51:06	Other		15.00	Slag skull, ladle would not stir. Stir rod would not come down, had to call maintenance. (11/23/2023 02:30 Tim Maclin)
	1:51	02:00:58	Gunned Furnace		9.87	Gunned door for pourback. (11/23/2023 02:30 Tim Maclin)
	2:12	02:39:50	Pour Back (Caster)		27.52	Start up heat on tundish. (11/23/2023 02:31 Tim Maclin)
	2:44	02:44:43			0.68	
	2:46	02:53:59	Tapping		7.48	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 11/24/2023

heat	start time	end time	obser	reason	duration	note
63234565	2:53	10:34:44	Start Holiday		1900.75	Thanksgiving, got furnace ready on night shift. Starting up day after Thanksgiving. (11/24/2023 10:33 Tim Maclin)
	10:53	10:54:34	2nd Charge		1.40	
	10:54	10:59:44	Cold Furnace Start Up		5.17	
	11:16	11:21:40	Cold Furnace Start Up		5.32	
	11:31	11:37:11	Cold Furnace Start Up		5.25	
	11:42	11:46:11	Cold Furnace Start Up		3.32	
	11:48	11:50:54	Cold Furnace Start Up		2.78	
	11:53	11:55:14	Cold Furnace Start Up		2.00	
	11:55	12:02:44	Cold Furnace Start Up		7.50	Waiting on ladle before heating up more. (11/24/2023 12:00 GRAY, CODY)
	12:04	12:12:46	Tapping		7.97	
63234566	12:12	12:37:46	Breakdown		25.00	Hot slag fell on wire and melted wire to transducer. Maintenance is replacing wire. (11/24/2023 12:17 GRAY, CODY)
	12:37	12:46:06	Gunned Furnace		8.33	Bottom material behind breast washed out on first heat. (11/24/2023 12:47 GRAY, CODY)
	13:02	13:03:45	2nd Charge		1.57	
	13:35	13:36:20	Take Temperature		0.63	
	13:39	13:58:42	Lance Carbon		19.47	
63234567	13:58	18:57:25	Jet Box		298.72	Water leak (11/24/2023 16:23 GRAY, CODY)
	18:57	18:58:29	Pourback	EAF Operational Failure	0.55	Jet box water #1 burner. (11/24/2023 19:27 GRAY, CODY)
	18:58	18:59:10	Take Temperature		0.37	
	19:04	19:12:05	Lance Carbon		7.32	
	19:13	19:20:36	Lab-Sample		7.47	
	19:26	19:27:45	Lance Taphole		1.62	
	19:27	19:33:18	Tapping		5.55	
63234568	19:33	20:08:28	1st Charge		35.17	pour back cold ladle temp (11/24/2023 20:16 GRAY, CODY)
	20:12	20:25:21	Taking Sample TMSD		13.05	pour back (11/24/2023 20:15 GRAY, CODY)
	20:30	20:45:57	Other		15.65	catfish want loose light (11/24/2023 20:33 GRAY, CODY)
	20:48	20:58:35			9.83	
63234569	20:58	20:59:30			0.92	
	21:15	21:16:49	Carbon Boil		1.75	
	21:46	21:48:09	Take Temperature		1.50	
	21:50	21:53:23	Push Door		2.60	
	21:56	21:58:36			1.77	
	21:59	22:06:56			7.43	
63234570	22:06	22:11:58	1st Charge		5.03	
	22:27	22:28:47	2nd Charge		1.72	
	22:56	22:57:36	Carbon Boil		1.12	
	23:03	23:05:27	Take Temperature		2.32	
	23:05	23:11:58	Tapping		6.45	
63234571	23:11	23:15:01	1st Charge		3.05	
	23:30	23:32:31	2nd Charge		1.78	
	23:57	00:09:45	Other		12.60	started up strand late to let furnace get ahead (11/24/2023 23:57 GRAY, CODY)
	0:17	00:17:54	Take Temperature		0.47	
	0:19	00:19:26			0.03	
	0:19	00:19:55	Lance Carbon		0.40	
	0:21	00:25:35	Lance Taphole		3.83	
	0:25	00:33:32	Tapping		7.92	
63234572	0:33	00:39:07	1st Charge		5.58	
	0:54	00:55:53	2nd Charge		1.75	
	1:25	01:27:08	Carbon Boil		1.25	
	1:29	01:32:11	Lance Taphole		2.20	
	1:32	01:38:47	Tapping		6.55	
63234573	1:38	01:41:57	1st Charge		3.17	
	1:42	01:47:15	Skull arcing		5.02	
	1:57	01:57:46			0.03	
	2:02	02:04:18	2nd Charge		1.73	
	2:33	02:34:37	Carbon Boil		1.20	
	2:37	02:44:15	Tapping		6.37	
63234574	2:44	04:40:00	Section Size Change		115.75	spent 40 mins gunning while we were down for change over (11/25/2023 03:49 GRAY, CODY)
	4:55	04:59:25	Plugged		3.82	
	5:12	05:45:10	Breakdown		32.18	
	6:20	06:30:08	Tapping		9.88	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 11/25/2023

heat	start time	end time	obser	reason	duration	note
63234575	6:30	06:34:47	1st Charge		4.65	
	6:50	06:52:08	2nd Charge		1.65	
	7:22	07:23:30	Take Temperature		0.90	
	7:25	07:33:05	Tapping		7.57	
63234576	7:33	07:36:13	1st Charge		3.13	
	7:51	07:52:53	2nd Charge		1.70	
	7:58	08:00:57	Mag Bezel Ring	Excessive Build-Up	2.35	
	8:27	08:28:35	Take Temperature		1.08	
63234577	8:29	08:36:51	Lance Taphole		7.52	
	8:36	08:40:21	1st Charge		3.50	
	8:40	08:41:01	Electrode Slip		0.67	Back slip. (11/25/2023 08:42 GRAY, CODY)
	8:43	08:47:51	Add Electrode		4.60	1852 (11/25/2023 08:44 GRAY, CODY)
63234578	9:01	09:02:57	2nd Charge		1.57	
	9:33	09:44:00	Tapping		10.13	
	9:44	09:47:02	1st Charge		3.03	
	10:03	10:05:02	2nd Charge		1.77	
63234579	10:35	10:39:28	Section Size Change		3.95	3 strand caster first 2 heats so furnace can get ahead.
	10:41	10:44:53	Lance Taphole		3.57	(11/25/2023 10:46 GRAY, CODY)
	10:44	10:50:51	Tapping		6.97	
	10:50	10:53:51	1st Charge		3.00	
63234580	10:53	10:54:33	Electrode Slip		0.70	
	10:54	10:55:05	Electrode Slip		0.53	
	11:11	11:13:32	2nd Charge		1.65	
	11:43	11:46:59	Plate Charge		3.62	
63234581	11:49	11:53:38	Lance Taphole		4.10	
	11:53	11:59:06	Tapping		5.47	
	11:59	12:02:01	1st Charge		2.92	
	12:02	12:02:58	Fill Taphole Hopper		0.95	
63234582	12:19	12:20:50	2nd Charge		1.67	
	12:49	12:50:44	Carbon Boil		0.97	
	12:53	12:56:09	Lance Taphole		2.40	
	12:56	13:01:17	Tapping		5.13	
63234583	13:01	13:04:19	1st Charge		3.03	
	13:20	13:21:53	2nd Charge		1.80	
	13:21	13:22:43	Mash With Bucket	Big Scrap on Top	0.83	
	13:52	13:53:30	Carbon Boil		1.30	
63234584	13:55	13:59:28	Lance Carbon		4.20	
	13:59	14:05:39	Tapping		6.18	
	14:05	14:08:38	1st Charge		2.98	
	14:08	14:12:41	Breakdown		4.05	Lost pin light, manually taking pin out. (11/25/2023 14:12 GRAY, CODY)
63234585	14:28	14:30:30	2nd Charge		1.62	
	15:00	15:03:54	Plate Charge		3.02	
	15:06	15:15:09	Tapping		8.93	
	15:15	15:18:09	1st Charge		3.00	
63234586	15:18	15:19:45	Breakdown		1.60	Lost pin out light. (11/25/2023 15:21 GRAY, CODY)
	15:19	15:20:23	Electrode Slip		0.63	
	15:33	15:33:32	Electrodes Moving Slow		0.02	
	15:35	15:36:55	2nd Charge		1.33	
63234587	15:36	15:39:48	Charge Not Melted		2.88	
	15:41	15:43:06	Mag Bezel Ring	Excessive Build-Up	1.77	
	16:14	16:21:14	Tapping		7.17	
	16:21	16:24:17	1st Charge		3.05	
63234588	16:40	16:42:31	2nd Charge		1.63	
	17:13	17:14:27	Lance Taphole		1.27	
	17:14	17:19:43	Tapping		5.27	
	17:19	17:22:43	1st Charge		3.00	
63234589	17:22	17:24:31	Breakdown		1.80	Lost pin light. (11/25/2023 17:26 GRAY, CODY)
	17:24	17:25:21	Electrode Slip		0.83	Back slip. (11/25/2023 17:26 GRAY, CODY)
	17:28	17:35:44	Add Electrode		7.32	Putting A phase stick in B phase. New stick in A phase electrode number added is 1683. (11/25/2023 17:32 GRAY, CODY)
	17:48	17:49:52	2nd Charge		1.15	
63234590	17:49	17:51:08	Breakdown		1.27	Lost pin in light. (11/25/2023 17:50 GRAY, CODY)
	17:51	17:52:40	Mag Bezel Ring	Excessive Build-Up	1.53	
	18:23	18:24:21	Lance Taphole		1.35	
	18:24	18:30:25	Tapping		6.07	
63234591	18:30	18:33:25	1st Charge		3.00	
	18:33	18:51:47	Gunned Furnace		18.37	
	19:08	19:09:45	2nd Charge		1.68	
	19:43	19:49:16	Tapping		6.00	
63234592	19:49	19:52:12	1st Charge		2.93	
	20:08	20:09:45	2nd Charge		1.75	
	20:37	20:38:29	Carbon Boil		0.83	
	20:42	20:48:58	Tapping		6.52	
63234593	20:48	20:52:46	1st Charge		3.80	
	20:56	21:01:15	Add Electrode		4.58	1684s...1685c (11/25/2023 20:58 GRAY, CODY)
	21:13	21:15:15	2nd Charge		1.63	
	21:42	21:43:13	Carbon Boil		0.95	
63234594	21:47	21:54:32	Tapping		6.60	
	21:54	21:57:53	1st Charge		3.35	
	22:14	22:15:49	2nd Charge		1.72	
	22:39	22:49:21	Swap to backup ladle		9.48	
63234595	22:58	22:59:57	Carbon Boil		1.18	
	23:03	23:03:27	Lance Taphole		0.32	
	23:04	23:09:24	Tapping		5.40	
	23:09	23:12:45	1st Charge		3.35	
63234596	23:28	23:30:58	2nd Charge		2.08	
	23:59	00:01:19	Carbon Boil		1.58	
	0:05	00:05:17	Take Temperature		0.13	
	0:05	00:12:31	Tapping		6.87	
63234597	0:12	00:15:43	1st Charge		3.20	losing the pin in pin out light (11/26/2023 00:19 GRAY, CODY)
	0:15	00:17:43	Breakdown		2.00	
	0:33	00:36:43	2nd Charge		3.12	
	1:05	01:07:07	Carbon Boil		1.33	
63234598	1:09	01:10:27	Take Temperature		0.48	
	1:11	01:16:25	Tapping		5.28	
	1:16	01:20:45	1st Charge		4.33	
	1:36	01:39:25	2nd Charge		3.07	
63234599	2:03	02:08:18	Carbon Boil		4.98	
	2:13	02:15:18	Take Temperature		1.33	
	2:18	02:24:40	Tapping		5.97	
	2:24	02:27:12	1st Charge		2.53	
63234600	2:42	02:44:31	2nd Charge		1.70	
	3:09	03:15:39			6.85	
	3:21	03:22:45	Carbon Boil		1.65	
	3:27	03:35:00	Tapping		7.67	
63234601	3:35	03:38:00	1st Charge		3.00	
	3:38	03:51:50	Gunned Furnace		13.83	
	4:07	04:10:23	2nd Charge		2.47	
	4:43	04:44:07	Take Temperature		0.30	
63234602	4:45	04:52:14	Tapping		6.68	
	4:52	04:58:29	1st Charge		6.25	
	5:14	05:16:39	2nd Charge		2.17	
	5:47	05:47:55			0.70	
63234603	5:51	05:58:23	Tapping		6.92	
	5:58	06:01:02	1st Charge		2.65	
	6:17	06:18:48	2nd Charge		1.67	
	6:51	06:56:31	Tapping		5.22	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 11/26/2023

heat	start time	end time	obser	reason	duration	note
63234597	6:56	07:00:49	1st Charge		4.30	
	7:16	07:18:00	2nd Charge		1.55	
	7:47	07:52:29	Cleaning Ladle Lip		5.27	
	7:56	08:04:08	Lance Taphole		7.28	
63234598	8:04	08:07:20	1st Charge		3.20	
	8:07	08:08:28	Electrode Slip		1.13	
	8:24	08:25:54	2nd Charge		1.57	
63234599	8:59	09:03:06	Blank	Caster Running Slow	3.95	4 strand caster. (11/26/2023 09:04 GRAY, CODY)
	9:03	09:06:46	Lance Taphole		3.67	
	9:06	09:12:15	Tapping		5.48	
	9:12	09:14:15	1st Charge		2.00	
63234600	9:14	09:38:21	Gunned Furnace		24.10	
	9:54	09:56:24	Waiting For Crane	Training Employee	2.10	
	10:30	10:38:32	Lance Taphole		8.32	
	10:38	10:41:32	1st Charge		3.00	
63234601	10:41	10:43:02	Waiting For Crane	Training Employee	1.50	
	10:43	10:43:50	Fill Taphole Hopper		0.80	
	11:00	11:02:41	2nd Charge		2.38	
	11:33	11:34:46	Plate Change		1.47	
63234602	11:37	11:40:33	Lance Taphole		3.10	
	11:40	11:46:43	Tapping		6.17	
	11:46	11:50:54	1st Charge		4.18	
	12:06	12:09:01	2nd Charge		2.17	
63234603	12:39	12:39:44	Carbon Boil		0.65	
	12:44	12:53:37	Other		9.35	Chain broke. (11/26/2023 12:46 GRAY, CODY)
	12:53	12:56:37	1st Charge		3.00	
	12:56	13:08:58	Gunned Furnace		12.35	Tap hole. (11/26/2023 13:11 GRAY, CODY)
63234604	13:25	13:27:07	2nd Charge		1.93	
	13:56	13:57:27	Carbon Boil		1.17	
	14:03	14:09:45	Tapping		6.73	
	14:09	14:12:45	1st Charge		3.00	
63234605	14:12	14:14:33	Breakdown		1.80	Pin in light. (11/26/2023 14:16 GRAY, CODY)
	14:14	14:15:27	Electrode Slip		0.90	Back slip (11/26/2023 14:17 GRAY, CODY)
	14:18	14:25:54	Add Electrode		7.17	Swapped C phase in B phase and put new stick in C phase. Electrode number 1687. (11/26/2023 14:24 GRAY, CODY)
	14:39	14:41:34	2nd Charge		2.38	
63234606	15:08	15:09:38	Carbon Boil		1.00	
	15:13	15:16:22	Lance Taphole		2.75	
	15:16	15:22:06	Tapping		5.73	
	15:22	15:25:34	1st Charge		3.47	
63234607	15:41	15:43:07	2nd Charge		1.80	
	15:43	15:46:17	Mash With Bucket	Dropped Charge Off-Center	3.17	Training employee (11/26/2023 15:45 GRAY, CODY)
	16:14	16:15:24			1.08	
	16:20	16:27:01	Tapping		6.45	
63234608	16:27	16:30:01	1st Charge		3.00	
	16:30	16:30:49	Electrode Slip		0.80	
	16:30	16:31:25	Electrode Slip		0.60	
	16:31	16:32:18			0.88	Roof stopped mid awing. Swung it back off and back on. (11/26/2023 16:34 GRAY, CODY)
63234609	16:47	16:49:44	2nd Charge		1.75	
	17:17	17:19:02	Carbon Boil		1.17	
	17:22	17:24:52	Blank	Make Sequence	2.58	
	17:25	17:27:59	Blank	Make Sequence	2.18	
63234610	17:27	17:33:39	Tapping		5.67	
	17:33	18:11:20			37.68	Hose to roof pop off valve has hole in it causing leak. Changing hose (11/26/2023 17:51 GRAY, CODY)
	18:11	18:12:21	Pack Tap Hole		1.02	
	18:12	18:13:58	Drop Start Bucket		1.62	
63234611	18:21	18:21:40	Electrodes Moving Slow		0.07	
	18:30	18:31:54	2nd Charge		1.75	
	18:41	18:44:14	Mag Bezel Ring	Big Scrap on Top	2.57	
	19:04	19:05:49	Carbon Boil		1.07	
63234612	19:10	19:18:07	Tapping		7.72	
	19:18	19:23:15	1st Charge		5.13	
	19:25	19:29:36	Add Electrode		4.27	1667a...1688s (11/26/2023 19:29 GRAY, CODY)
	19:43	19:45:22	2nd Charge		1.70	
63234613	20:14	20:15:33	Carbon Boil		1.00	
	20:18	20:25:04	Tapping		6.88	
	20:25	20:29:00	1st Charge		3.93	
	20:44	20:46:34	2nd Charge		1.70	
63234614	21:15	21:16:39	Carbon Boil		1.33	
	21:20	21:28:55	Tapping		8.67	
	21:28	21:35:24	1st Charge		6.48	
	21:51	21:52:45	2nd Charge		1.67	
63234615	22:24	22:25:37	Carbon Boil		1.33	
	22:27	22:34:18	Tapping		6.53	
	22:34	22:38:55	1st Charge		4.62	
	22:42	22:53:48	Add Electrode		11.45	1664b...1688c...1692s (11/26/2023 22:52 GRAY, CODY)
63234616	23:05	23:07:16	Tapping		1.63	
	23:38	23:45:28	Tapping		7.13	
	23:45	23:48:26	1st Charge		2.97	
	0:04	00:05:43	2nd Charge		1.63	
63234617	0:38	00:38:21			0.03	
	0:38	00:45:54	Tapping		7.02	
	0:45	00:48:54	1st Charge		3.00	
	1:04	01:07:11	2nd Charge		3.05	
63234618	1:33	01:36:56	Redump Ladle		3.85	
	1:43	01:50:00	Tapping		6.32	
	1:50	01:53:00	1st Charge		3.00	
63234619	1:53	02:12:22	Gunned Furnace		19.37	not had hical working in 3 days so haveing to keep it all gunned up (11/27/2023 02:16 GRAY, CODY)
	2:27	02:29:05	2nd Charge		1.87	
	2:58	03:15:44	Breakdown		16.92	
	3:21	03:30:16	Tapping		8.35	
63234620	3:30	03:33:36	1st Charge		3.33	
	3:49	03:51:24	2nd Charge		1.72	
	4:23	04:25:04	Carbon Boil		1.87	
	4:36	04:33:36	Tapping		7.53	
63234621	4:33	04:38:04	1st Charge		4.47	
	4:54	04:56:06	2nd Charge		1.73	
	5:26	05:28:32	Carbon Boil		2.07	
	5:30	05:36:28	Tapping		6.15	
63234622	5:36	05:39:24	1st Charge		2.93	
	5:54	05:56:22	2nd Charge		1.70	
	6:27	06:28:08	Carbon Boil		1.00	
	6:30	06:38:10	Tapping		7.75	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 11/27/2023

heat	start time	end time	obser	reason	duration	note
63234617	6:38	06:41:20	1st Charge		3.17	
	6:56	06:58:03	2nd Charge		1.67	
	7:31	07:32:31	Lance Carbon		1.50	
	7:32	07:38:40	Tapping		6.15	
63234618	7:38	07:42:50	1st Charge		4.17	
	7:57	07:59:08	2nd Charge		1.53	
	8:30	08:31:27	Carbon Boil		0.87	
	8:34	08:41:28	Tapping		6.68	
63234619	8:41	08:44:08	1st Charge		2.67	
	8:58	09:00:12	2nd Charge		1.55	
	9:29	09:32:11	Cleaning Ladle Lip		3.07	
	9:37	09:44:04	Tapping		6.55	
63234620	9:44	09:47:04	1st Charge		3.00	
	9:47	09:48:25			1.35	Put up runner fill. (11/27/2023 10:02 Tim MacLin)
	10:03	10:05:02	2nd Charge		1.55	
	10:37	10:40:14	Push Door		3.10	
	10:40	10:46:00	Tapping		5.77	
63234621	10:46	10:48:39	1st Charge		2.56	
	11:03	11:05:01	2nd Charge		1.63	
	11:40	11:51:30	Tapping		11.38	
63234622	11:51	11:54:30	1st Charge		3.00	
	11:54	12:02:44	Gunned Furnace		8.23	gunned taphole (11/27/2023 12:00 Tim MacLin)
	12:17	12:19:52	2nd Charge		2.28	
	12:53	13:03:52	Tapping		9.98	
63234623	13:03	13:07:14	1st Charge		3.37	
	13:23	13:24:35	2nd Charge		1.57	
	13:56	13:59:47	Waiting on TMS		3.28	Left E stop in or slag down. (11/27/2023 13:58 Tim MacLin)
	14:04	14:12:01	Tapping		7.52	
63234624	14:12	14:15:01	1st Charge		3.00	
	14:15	14:30:21	Plugged		15.33	
	14:45	14:47:25	2nd Charge		1.67	
	15:23	15:30:32	Tapping		7.12	
63234625	15:30	15:34:46	1st Charge		4.23	
	15:50	15:51:40	2nd Charge		1.53	
	16:22	16:26:44	Cleaning Ladle Lip		4.22	
	16:30	16:40:07	Tapping		9.30	
63234626	16:40	16:43:58	1st Charge		3.85	
	16:59	17:01:33	2nd Charge		1.68	
	17:31	17:32:30	Carbon Boil		1.10	
	17:35	17:41:57	Tapping		6.13	
63234627	17:41	17:44:57	1st Charge		3.00	
	17:44	17:46:08	Electrode Slip		1.18	
	17:49	17:53:35	Add Electrode		3.80	1691 to tank (11/28/2023 07:16 Tim MacLin) (11/28/2023 07:16 Tim MacLin)
	18:04	18:05:50	2nd Charge		1.52	
	18:36	18:42:00	Tapping		5.30	
63234628	18:42	18:45:17	1st Charge		3.28	
	19:00	19:02:19	2nd Charge		1.87	
	19:35	19:44:34	Lance Taphole		9.25	
63234629	19:44	20:50:08	Tundish Change Only		65.57	Gunned furnace for 40 mins while down. Added A phase while down, electrode number 1690 (11/27/2023 20:30 GRAY, CODY)
	21:06	21:07:48	2nd Charge		1.68	
	21:36	21:57:08	Tundish Change Only		20.38	
	22:05	22:06:54	Take Temperature		1.22	
	22:07	22:09:50	Tundish Change Only		2.00	
	22:09	22:10:28	Lance Taphole		0.63	
	22:10	22:16:57	Tapping		6.48	
63234630	22:16	22:20:26	1st Charge		3.48	
	22:35	22:37:36	2nd Charge		1.77	
	22:48	22:49:00	Electrodes Moving Slow		0.02	
	23:11	23:11:25			0.00	
	23:11	23:12:39	Lance Taphole		1.12	
	23:12	23:18:23	Tapping		5.73	
63234631	23:18	23:21:29	1st Charge		3.10	
	23:37	23:38:45	2nd Charge		1.75	
	0:08	00:08:47	Carbon Boil		0.68	
	0:14	00:16:09	Lance Taphole		1.75	
	0:16	00:22:17	Tapping		6.13	
63234632	0:22	00:25:59	1st Charge		3.70	
	0:25	00:26:40	Electrode Slip		0.68	Back slip (11/28/2023 00:27 GRAY, CODY)
	0:30	00:34:39	Add Electrode		4.48	1689 (11/28/2023 00:51 GRAY, CODY)
	0:46	00:48:04	2nd Charge		1.70	
	0:48	00:49:58	Mash With Bucket	Big Scrap on Top	1.30	
	1:20	01:25:52	Gunned Runner		5.33	
	1:26	01:37:30	Tapping		10.53	
63234633	1:37	01:40:36	1st Charge		3.10	
	1:57	01:58:48	2nd Charge		1.72	
	2:28	02:28:47	Carbon Boil		0.52	
	2:28	02:29:02	Electrodes Moving Slow		0.08	
	2:32	02:33:22	Lance Taphole		1.03	
	2:33	02:40:17	Tapping		6.92	
63234634	2:40	02:43:52	1st Charge		3.58	
	2:59	03:00:59	2nd Charge		1.77	
	3:32	03:33:31	Carbon Boil		1.27	
	3:35	03:36:27	Take Temperature		1.12	
	3:36	03:37:25	Lance Taphole		0.97	
	3:37	03:44:04	Tapping		6.65	
63234635	3:44	03:47:50	1st Charge		3.77	
	4:03	04:04:59	2nd Charge		1.73	
	4:34	04:35:52	Carbon Boil		1.20	
	4:38	04:39:51	Take Temperature		1.05	
	4:39	04:43:26	Lance Taphole		3.58	
	4:43	04:49:00	Tapping		5.57	
63234636	4:49	04:52:22	1st Charge		3.37	
	5:08	05:10:24	2nd Charge		2.13	
	5:42	05:46:09	Lance Taphole		3.40	
	5:46	05:52:52	Tapping		6.72	
63234637	5:52	05:56:39	1st Charge		3.78	
	6:12	06:14:37	2nd Charge		2.22	
	6:46	06:46:45	Take Temperature		0.40	
	6:47	06:49:04	Take Temperature		1.57	
	6:49	06:49:57	Take Temperature		0.12	
	6:50	06:59:50	Tapping		9.38	
Days				250.00	70%	
Nights				250.00	70%	

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 11/28/2023

heat	start_time	end_time	obser	reason	duration	note
63234638	7:00	07:02:19	1st Charge		2.15	
	7:15	07:15:43	Electrodes Moving Slow		0.05	
	7:16	07:18:39	2nd Charge		1.70	
	7:18	07:21:02	Mash With Bucket	Excessive Build-Up	2.38	
	7:51	07:52:24	Carbon Boil		0.80	
	7:53	07:55:54	Lance Carbon		2.28	
	7:55	07:57:44	Lance Taphole		1.83	
63234639	7:57	08:03:35	Tapping		5.85	
	8:03	08:06:35	1st Charge		3.00	
	8:06	08:07:05	Electrode Slip		0.50	
	8:07	08:07:55	Electrode Slip		0.83	
	8:23	08:24:49	2nd Charge		1.55	
63234640	8:55	09:01:41	Tapping		5.93	
	9:01	09:04:41	1st Charge		3.00	
	9:04	09:05:38	Other		0.95	lost pin out light (11/28/2023 09:07 Tim Maclin)
	9:17	09:17:45	Electrodes Moving Slow		0.02	
	9:20	09:22:26	2nd Charge		1.65	
63234641	9:50	09:51:29	Carbon Boil		0.78	
	9:55	09:57:01	Lance Taphole		1.35	
	9:57	10:02:34	Tapping		5.55	
	10:02	10:05:17	1st Charge		2.72	
63234642	10:20	10:22:29	2nd Charge		1.60	
	10:52	10:52:56	Carbon Boil		0.88	
	10:58	10:59:22	Lance Carbon		1.32	
	10:59	11:05:07	Tapping		5.75	
	11:05	11:08:07	1st Charge		3.00	
63234643	11:08	11:09:01	Electrode Slip		0.90	
	11:24	11:25:45	2nd Charge		1.57	
	11:57	11:58:56	Lance Carbon		1.67	
	12:01	12:03:41	Lance Taphole		2.30	
	12:03	12:09:32	Tapping		5.85	
63234644	12:09	12:12:32	1st Charge		3.00	
	12:12	12:13:46	Electrode Slip		1.23	
	12:28	12:30:36	2nd Charge		1.62	
	13:00	13:06:48	Tapping		5.85	
	13:06	13:09:48	1st Charge		3.00	
63234645	13:09	13:19:48	Gunned Furnace		10.00	
	13:19	13:34:33	Plugged		14.75	
	13:49	13:51:21	2nd Charge		1.66	
	14:28	14:33:58	Tapping		5.73	
	14:33	14:36:51	1st Charge		2.88	
63234646	14:52	14:54:28	2nd Charge		2.17	
	15:26	15:28:40	Lance Taphole		2.07	
	15:28	15:34:04	Tapping		5.40	
	15:34	15:37:04	1st Charge		3.00	
	15:37	15:38:04	Electrode Slip		1.00	
63234647	15:38	15:38:34	Electrode Slip		0.50	
	15:38	15:39:21	Electrode Slip		0.78	
	15:54	15:55:59	2nd Charge		1.57	
	16:24	16:25:21	Carbon Boil		0.87	
	16:29	16:34:11	Breakdown		5.18	catfish broke (11/28/2023 16:30 Tim Maclin)
63234648	16:36	16:44:28	Tapping		7.57	
	16:44	16:47:08	1st Charge		2.67	
	17:02	17:04:36	2nd Charge		2.55	
	17:37	17:38:50	Lance Carbon		1.37	
	17:38	17:40:11	Lance Taphole		1.35	
63234649	17:40	17:45:16	Tapping		5.08	
	17:45	17:48:16	1st Charge		3.00	
	17:48	17:49:25	Fill Taphole Hopper		1.15	
	18:04	18:06:14	2nd Charge		1.62	
	18:39	18:40:18	Lance Carbon		1.23	
63234650	18:42	18:47:32	Tapping		5.30	
	18:47	18:50:32	1st Charge		3.00	
	18:50	19:00:16	Gunned Furnace		9.73	
	19:15	19:17:01	2nd Charge		1.87	
	19:51	19:57:22	Tapping		5.97	
63234651	19:57	20:00:22	1st Charge		3.00	
	20:00	20:01:10	Electrode Slip		0.80	
	20:01	20:01:58	Electrode Slip		0.80	
	20:01	20:02:42	Electrode Slip		0.73	
	20:18	20:20:22	2nd Charge		1.53	
63234652	20:52	20:52:45	Take Temperature		0.25	
	20:54	20:55:52	Take Temperature		1.68	
	20:57	21:03:24	Tapping		6.18	
	21:03	21:06:43	1st Charge		3.32	
	21:22	21:24:08	2nd Charge		1.77	
63234653	21:55	22:06:50	Break Out	Mold Level	10.95	Mold level keeps coming up on strand 2. (11/28/2023 21:58 GRAY, CODY)
	22:09	22:11:56	Break Out	Mold Level	1.95	
	22:11	22:12:16	Lance Taphole		0.33	
	22:12	22:19:46	Tapping		7.50	
	22:19	22:22:58	1st Charge		3.20	
63234654	22:22	22:23:53	Electrode Slip		0.92	Back slip (11/28/2023 23:54 GRAY, CODY)
	22:28	22:33:03	Add Electrode		5.05	1678 (11/28/2023 23:05 GRAY, CODY)
	22:33	22:33:13	Electrodes Moving Slow		0.05	
	22:44	22:46:35	2nd Charge		1.67	
	22:47	22:51:21	Electrode Slip		3.52	Back slip (11/28/2023 23:05 GRAY, CODY)
63234655	22:52	23:03:49	Add Electrode		11.15	1677. (11/28/2023 23:06 GRAY, CODY)
	23:33	23:41:31	Tapping		8.40	
	23:41	23:45:01	1st Charge		3.50	
	23:45	23:45:47	Electrode Slip		0.77	Back slip. (11/28/2023 23:52 GRAY, CODY)
	23:49	23:54:33	Add Electrode		5.33	1676 (11/28/2023 23:50 GRAY, CODY)
63234656	0:07	00:09:03	2nd Charge		1.70	
	0:40	00:54:34	Plate Change		14.17	
	0:58	01:00:50	Lance Taphole		2.20	
	1:00	01:07:45	Tapping		6.92	
	1:07	02:52:14	Change Mold	Defective Mold	104.48	#2 (11/29/2023 01:27 GRAY, CODY)
63234657	3:08	03:10:40	2nd Charge		1.80	
	3:41	04:04:37	Change Mold	Defective Mold	22.75	Casters running tundish out to change strand 2 mold. E tech accidentally shut power off and caused strand #1, #3, and #4 to blank off causing all 3 molds to shell up. (11/29/2023 03:49 GRAY, CODY)
	4:12	04:22:58	Tapping		10.20	
63234658	4:22	04:25:58	1st Charge		3.00	
	4:25	04:32:44	Gunned Furnace		6.77	Skull knocked off while cleaning door on East door jam. Few bricks was missing and showing, gunned it back up. (11/29/2023 04:34 GRAY, CODY)
	4:32	04:33:38	Drop Start Bucket		0.90	
63234659	4:48	04:50:40	2nd Charge		1.70	
	4:52	05:28:42	Electrode Break	Pin Break	36.65	140 counts in 2nd charge. Short sticked added 1675. (11/29/2023 06:24 GRAY, CODY)
	5:58	05:58:13			0.00	
	5:58	05:58:37	Take Temperature		0.15	
63234660	6:03	06:12:24	Tapping		6.50	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 11/29/2023

heat	start time	end time	obser	reason	duration	note
63234656	6:12	06:15:35	1st Charge		3.18	
	6:31	06:32:52	2nd Charge		1.75	
	7:05	07:11:16	Tapping		5.30	
63234657	7:11	07:13:52	1st Charge		2.60	
	7:29	07:30:37	2nd Charge		1.57	
	7:58	08:16:02			17.08	Caster behind on two strands, due to electrode break from previous shift. (11/29/2023 08:28 Tim Maclin)
	8:22	08:24:05	Other		1.83	Caster slagged out late. (11/29/2023 08:29 Tim Maclin)
	8:25	08:30:35	Tapping		5.05	
63234658	8:30	08:34:57	1st Charge		4.37	
	8:37	08:41:06	Add Electrode		4.00	1672 to tank (11/29/2023 09:21 Tim Maclin)
	8:53	08:55:40	2nd Charge		1.93	
	9:02	09:02:48	Electrodes Moving Slow		0.03	
	9:28	09:34:33	Tapping		5.83	
63234659	9:34	09:37:49	1st Charge		3.27	
	9:52	09:54:22	2nd Charge		1.47	
	10:30	10:31:18	Take Temperature		0.90	
	10:33	10:39:43	Tapping		5.97	
63234660	10:39	10:42:41	1st Charge		2.97	
	10:57	10:58:44	2nd Charge		1.53	
	11:28	11:37:40			9.55	
	11:44	11:50:33	Tapping		6.50	
63234661	11:50	11:53:26	1st Charge		2.88	
	12:08	12:10:02	2nd Charge		1.57	
	12:40	12:41:10			0.47	
	12:45	12:50:43	Tapping		5.23	
63234662	12:50	12:54:00	1st Charge		3.28	
	13:08	13:09:41	2nd Charge		1.52	
	13:43	13:44:52	Cleaning Ladle Lip		1.38	
	13:46	13:52:20	Tapping		5.87	
63234663	13:52	14:20:29	Plugged		28.15	
	14:36	14:37:45	2nd Charge		1.52	
	15:11	15:16:31	Tapping		4.63	
63234664	15:16	15:19:31	1st Charge		3.00	
	15:19	15:36:19	Gunned Furnace		16.80	
	15:51	15:52:48	2nd Charge		1.57	
	15:52	16:09:29			16.68	Big scrap in recharge on top, could not get the roof to close. (11/29/2023 16:12 Tim Maclin)
	16:42	16:44:42	Redump Ladle		1.72	
	16:46	16:49:08	Lance Taphole		3.00	
	16:49	16:55:33	Tapping		6.42	
63234665	16:55	16:59:11	1st Charge		3.63	
	17:14	17:16:10	2nd Charge		1.48	
	17:50	17:55:22	Tapping		4.58	
63234666	17:55	17:58:34	1st Charge		3.20	
	18:13	18:14:33	2nd Charge		1.53	
	18:42	18:52:58	Blank		10.37	Strand 4 broke out, on two strands caster slagged out late. (11/29/2023 18:47 Tim Maclin)
	18:58	19:02:30	Lance Taphole		4.00	
	19:02	19:08:38	Tapping		6.13	
63234667	19:08	19:11:38	1st Charge		3.00	
	19:11	19:16:35	Clean Slag Door		4.95	
	19:32	19:33:35	2nd Charge		1.55	
	19:59	20:00:34	Carbon Boil		0.83	
	20:07	20:07:58	Take Temperature		0.70	
	20:08	20:15:46	Tapping		7.18	
63234668	20:15	20:19:12	1st Charge		3.43	
	20:34	20:35:49	2nd Charge		1.35	
	20:35	20:36:54	Mash With Bucket	Excessive Build-Up	1.08	
	21:07	21:08:13	Carbon Boil		1.00	
	21:11	21:17:47	Tapping		5.85	
63234669	21:17	21:21:21	1st Charge		3.57	
	21:37	21:39:01	2nd Charge		1.53	
	22:06	22:07:17	Carbon Boil		0.80	
	22:11	22:12:28			1.05	
	22:13	22:20:12	Tapping		6.93	
63234670	22:20	22:25:04	1st Charge		4.87	
	22:41	22:42:32	2nd Charge		1.47	
	23:14	23:15:25	Carbon Boil		1.30	
	23:17	23:19:16	Lance Taphole		1.33	
	23:19	23:26:15	Tapping		6.98	
63234671	23:26	23:29:32	1st Charge		3.28	
	23:45	23:47:04	2nd Charge		1.90	
	23:47	00:16:23	Break Out	Bad Tube	29.32	Strand 4, waiting til slag out to charge back. (11/29/2023 23:48 GRAY, CODY)
	0:42	00:43:30	Carbon Boil		1.08	
	0:47	00:56:44	Tapping		8.80	

Days 250.00 70%
Nights 250.00 70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 11/30/2023

heat	start_time	end_time	obser	reason	duration	note
63234672	0:56	18:33:57	1st Charge		1057.22	
	18:52	19:00:30	Breakdown		8.12	Dumping 2 buckets of Hi Cal. (11/30/2023 18:56 GRAY, CODY)
	19:14	19:19:42	Cold Furnace Start Up		5.18	
	19:31	19:38:16	Cold Furnace Start Up		6.48	
	19:42	19:56:07	Swap to backup ladle		14.00	
	20:00	20:02:22	Push Door		2.32	
	20:05	20:08:12	Push Door		2.33	
	20:11	20:12:08	Take Temperature		0.90	
	20:13	20:20:17	Tapping		7.02	
63234673	20:20	20:23:49	1st Charge		3.53	
	20:40	20:42:15	2nd Charge		1.55	
	21:17	21:19:13			2.10	
	21:20	21:28:51	Tapping		8.32	
63234674	21:28	21:31:51	1st Charge		3.00	
	21:31	21:32:53	Electrode Slip		1.03	
	21:36	21:40:35	Add Electrode		4.02	s1671 (11/30/2023 21:42 SMITH, ANTHONY)
	21:53	21:54:36	2nd Charge		1.52	
	22:28	22:37:56	Tapping		9.47	
63234675	22:37	22:40:56	1st Charge		3.00	
	22:40	22:41:56	Push Door		1.00	
	22:41	22:43:28	Electrode Slip		1.53	
	22:46	22:50:41	Add Electrode		4.42	s1674 (11/30/2023 23:00 SMITH, ANTHONY)
	23:04	23:05:53	2nd Charge		1.73	
	23:39	23:41:16			2.13	
	23:42	23:50:18	Tapping		8.13	
63234676	23:50	23:53:57	1st Charge		3.65	
	0:09	00:12:35	2nd Charge		2.82	
	0:41	00:43:41	Carbon Boil		2.25	
	0:50	00:59:31	Tapping		9.35	
63234677	0:59	01:02:12	1st Charge		2.68	
	1:18	01:20:14	2nd Charge		1.75	
	1:49	01:50:44			1.18	
	1:53	01:57:55			4.20	
	2:00	02:09:59	Tapping		9.78	
63234678	2:09	02:14:47	1st Charge		4.80	
	2:31	02:33:23	2nd Charge		1.63	
	3:07	03:12:45	Take Temperature		4.78	catfish wouldnt get a temp (12/1/2023 03:19 SMITH, ANTHONY)
	3:13	03:21:30	Tapping		7.57	
63234679	3:21	03:35:00	1st Charge		13.50	
	3:51	03:52:47	2nd Charge		1.42	
	4:26	04:30:14			3.78	
	4:32	04:38:52	Tapping		6.72	
63234680	4:38	04:45:43	1st Charge		6.85	
	5:01	05:02:57	2nd Charge		1.73	
	5:35	05:36:41			0.97	
	5:37	05:47:13	Tapping		9.65	

Days 250.00
Nights 250.00

70%
70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/1/2023

heat	start time	end time	obser	reason	duration	note
63234681	5:47	05:50:13	1st Charge		3.00	
	5:50	06:50:13	Breakdown		60.00	wheel (12/1/2023 18:07 Ben Gearin)
	6:50	11:42:59			292.77	get taphole clear of slag steel and refractory (12/1/2023 18:08 Ben Gearin)
	11:51	11:51:08			0.00	
	12:01	12:03:36	2nd Charge		1.73	
	12:43	12:46:40	Lance Taphole		3.12	
	12:48	12:54:39	Tapping		5.68	
63234682	12:54	12:57:39	1st Charge		3.00	
	12:57	13:04:20	Gunned Furnace		6.68	
	13:08	13:14:23	Add Electrode		6.38	1673c...1671b....1676a (12/1/2023 13:17 SMITH, ANTHONY)
	13:27	13:29:17	2nd Charge		1.63	
	14:04	14:11:38	Tapping		6.82	
63234683	14:11	14:17:44	1st Charge		6.10	
	14:33	14:35:54	2nd Charge		2.35	
	15:05	15:06:32	Carbon Boil		0.90	
	15:10	15:12:20	Lance Taphole		1.68	
	15:13	15:19:12	Tapping		6.12	
63234684	15:19	15:23:21	1st Charge		4.15	
	15:39	15:42:00	2nd Charge		2.58	
	16:05	16:09:42	Other		3.77	
	16:19	16:26:16	Tapping		7.15	
	16:26	16:30:15	1st Charge		3.98	
63234685	16:46	16:48:27	2nd Charge		2.08	
	17:16	17:17:42	Carbon Boil		0.92	
	17:22	17:27:47	Tapping		5.50	
	17:27	17:32:41	1st Charge		4.90	
	17:49	17:50:41	2nd Charge		1.67	
63234686	18:20	18:21:31	Carbon Boil		0.97	
	18:24	18:33:31	Tapping		8.78	
	18:33	18:37:24	1st Charge		3.88	
	18:53	18:54:43	2nd Charge		1.47	
	19:20	19:21:34	Carbon Boil		0.70	
63234687	19:24	19:25:23	Carbon Boil		0.72	
	19:31	19:37:57	Tapping		6.85	
	19:37	19:40:44	1st Charge		2.78	
	19:56	19:58:00	2nd Charge		1.53	
	20:23	20:23:42	Carbon Boil		0.68	
63234688	20:30	20:31:41	Take Temperature		1.00	
	20:32	20:38:08	Tapping		5.68	
	20:38	20:40:08	1st Charge		2.00	
	20:55	20:56:47	2nd Charge		1.58	
	21:25	21:26:27	Carbon Boil		1.13	
63234689	21:31	21:38:16	Tapping		6.33	
	21:38	21:42:12	1st Charge		3.93	
	21:58	21:59:49	2nd Charge		1.62	
	22:26	22:27:12	Carbon Boil		0.95	
	22:34	22:42:59	Tapping		8.48	
63234691	22:42	22:46:06	1st Charge		3.12	
	23:01	23:02:59	2nd Charge		1.52	
	23:38	23:44:36	Tapping		6.17	
	23:44	23:49:32	1st Charge		4.93	
	0:04	00:06:28	2nd Charge		1.52	
63234692	0:33	00:34:05	Carbon Boil		0.87	
	0:38	00:39:35	Carbon Boil		0.60	
	0:41	00:51:09	Tapping		9.80	
	0:51	00:54:17	1st Charge		3.13	
	1:11	01:13:12	2nd Charge		1.33	
63234693	1:38	01:39:32	Carbon Boil		1.07	
	1:44	01:51:08	Tapping		6.37	
	1:51	01:54:08	1st Charge		3.00	
	1:54	01:55:09	Training Employee		1.02	
	2:10	02:12:16	2nd Charge		1.80	
63234694	2:45	02:52:53	Tapping		7.12	
	2:52	02:55:55	1st Charge		3.03	
	3:12	03:14:05	2nd Charge		1.78	
	3:46	03:53:15	Tapping		7.15	
	3:53	04:01:21	1st Charge		8.10	
63234695	4:16	04:18:14	2nd Charge		1.87	
	4:43	04:47:29	Break Out	Superheat	4.18	
	4:54	04:54:51	Take Temperature		0.60	
	4:57	05:05:36	Tapping		8.43	
	5:05	05:08:36	1st Charge		3.00	
63234697	5:08	05:26:45	Break Out	Chemistry	18.15	Gunning furnace while casters on 3 strands. #1 broke out, FeMn/Si ratio, (12/2/2023 05:16 SMITH, ANTHONY)
	5:29	05:33:59	Add Electrode		4.48	s1669 (12/2/2023 05:40 SMITH, ANTHONY)
	5:46	05:48:32	2nd Charge		1.85	
	6:21	06:31:34	Tapping		9.92	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/2/2023

heat	start time	end time	obser	reason	duration	note
63234698	6:31	06:34:34	1st Charge		3.00	
	6:34	06:35:34	Electrode Slip		1.00	
	6:35	06:37:21	Other		1.78	putting out fires on the east side of furnace (12/2/2023 06:39 SMITH, ANTHONY)
	6:42	06:53:09	Add Electrode		10.90	1670 (12/2/2023 06:54 SMITH, ANTHONY)
	7:03	07:05:39	2nd Charge		1.77	
	7:28	07:47:32	Breakdown		19.02	
	7:57	08:04:36	Tapping		6.80	
63234699	8:04	08:07:36	1st Charge		3.00	
	8:07	08:20:18	Gunned Furnace		12.70	
	8:36	08:38:26	2nd Charge		2.27	
	9:13	09:26:50	Tapping		13.67	
63234700	9:26	09:31:51	1st Charge		5.02	
	9:47	09:50:03	2nd Charge		2.47	
	10:18	10:19:24	Carbon Boil		1.23	
	10:23	10:32:28	Tapping		9.35	
63234701	10:32	10:36:59	1st Charge		4.52	
	10:52	10:55:07	2nd Charge		2.77	
	11:25	11:26:55	Carbon Boil		1.07	
	11:29	11:36:28	Tapping		7.23	
63234702	11:36	11:40:37	1st Charge		4.15	
	11:56	11:58:58	2nd Charge		2.32	
	12:30	12:41:05	Tapping		10.67	
63234703	12:41	12:46:28	1st Charge		5.38	
	13:02	13:04:46	2nd Charge		2.52	
	13:38	13:44:30	Tapping		6.38	
63234704	13:44	13:47:30	1st Charge		3.00	
	13:47	15:52:42	Change Mold	Defective Mold	125.20	keeps breaking out 526 heats on mold (12/2/2023 14:17 Ben Gearin)
	16:08	16:10:26	2nd Charge		1.83	
	16:44	16:44:49	Carbon Boil		0.77	
	16:45	16:47:59	Breakdown		2.85	hyd leak (12/2/2023 16:46 CLAYBROOKS, KENDRICK)
	16:51	16:59:16	Tapping		8.15	
63234705	16:59	17:04:25	1st Charge		5.15	
	17:19	17:21:28	2nd Charge		1.60	
	17:55	18:02:03	Tapping		6.30	
63234706	18:02	18:05:44	1st Charge		3.68	
	18:21	18:24:38	2nd Charge		2.77	
	18:48	19:04:15	Break Out	Spray Water	16.18	
	19:15	19:15:58	Take Temperature		0.27	
	19:16	19:23:40	Tapping		7.05	
63234707	19:23	19:26:40	1st Charge		3.00	
	19:26	19:28:28	Electrode Slip		1.80	
	19:31	19:35:06	Add Electrode		3.88	s1667 (12/2/2023 19:36 CLAYBROOKS, KENDRICK)
	19:47	19:48:52	2nd Charge		1.57	
	20:18	20:19:31	Carbon Boil		1.18	
	20:24	20:31:49	Tapping		7.75	
63234708	20:31	20:34:58	1st Charge		3.15	
	20:42	20:42:57	Electrodes Moving Slow		0.08	
	20:45	20:45:30	Electrodes Moving Slow		0.02	
	20:51	20:52:52	2nd Charge		1.50	
	20:52	21:25:24	Blank	Work In Spray Chamber	32.53	no zone 2 west riser (12/2/2023 21:42 CLAYBROOKS, KENDRICK)
	21:57	21:57:48	Carbon Boil		0.67	
	22:00	22:08:58	Tapping		8.93	
63234709	22:08	22:13:24	1st Charge		4.43	
	22:28	22:29:54	2nd Charge		1.45	
	22:53	23:04:44	Blank	Work In Spray Chamber	11.57	
	23:08	23:09:18	Carbon Boil		0.90	
	23:16	23:24:12	Tapping		7.80	
63234710	23:24	23:27:12	1st Charge		3.00	
	23:27	23:56:15	Gunned Furnace		29.05	
	0:11	00:12:33	2nd Charge		1.50	
	0:12	00:13:42	Mash With Bucket	Big Scrap on Top	1.15	
	0:43	00:44:55	Carbon Boil		1.28	
	0:48	01:00:02	Tapping		11.15	
63234711	1:00	01:02:55	1st Charge		2.88	
	1:17	01:19:29	2nd Charge		1.58	
	1:49	01:49:56	Carbon Boil		0.83	
	1:52	01:59:56	Tapping		7.23	
63234712	1:59	02:09:59	1st Charge		10.05	
	2:24	02:26:22	2nd Charge		1.47	
	2:59	03:06:03	Breakdown		7.05	broke pole (12/3/2023 03:13 CLAYBROOKS, KENDRICK)
	3:07	03:09:55	Breakdown		2.35	pole broke (12/3/2023 03:14 CLAYBROOKS, KENDRICK)
	3:11	03:18:03	Tapping		6.43	
63234713	3:18	03:21:18	1st Charge		3.25	
	3:36	03:38:04	2nd Charge		1.73	
	4:08	04:09:48	Take Temperature		0.88	
	4:10	04:16:31	Tapping		5.67	
63234714	4:16	04:19:31	1st Charge		3.00	
	4:19	04:36:31	Plugged		17.00	
	4:36	04:42:58	Gunned Furnace		6.45	
	4:58	04:58:04			0.00	
	4:58	05:00:29	2nd Charge		1.53	
	5:35	05:42:32	Tapping		7.20	
63234715	5:42	05:45:32	1st Charge		3.00	
	5:45	05:48:09	Electrode Slip		2.62	all 3 (12/3/2023 05:52 CLAYBROOKS, KENDRICK)
	6:03	06:05:10	2nd Charge		1.52	
	6:35	06:36:21	Carbon Boil		1.08	
	6:39	06:46:30	Tapping		7.00	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/3/2023

heat	start time	end time	obser	reason	duration	note
63234716	6:46	06:49:41	1st Charge		3.18	
	7:05	07:07:30	2nd Charge		2.15	
	7:38	07:39:05	Carbon Boil		1.03	
	7:42	07:49:07	Tapping		6.35	
63234717	7:49	07:53:52	1st Charge		4.75	
	7:56	07:59:34	Add Electrode		3.28	1668c (12/3/2023 07:57 CLAYBROOKS, KENDRICK)
	8:12	08:14:06	2nd Charge		1.53	
	8:41	08:41:11			0.03	
	8:48	08:53:37	Tapping		5.62	
63234718	8:53	08:56:37	1st Charge		3.00	
	8:56	09:12:39	Gunned Furnace		16.03	
	9:28	09:30:13	2nd Charge		1.97	
	9:30	09:30:28			0.02	
	10:04	10:14:21	Tapping		9.47	
63234719	10:14	10:18:28	1st Charge		4.12	
	10:35	10:37:20	2nd Charge		2.10	
	11:09	11:11:21			2.07	
	11:12	11:14:19			1.57	
	11:15	11:24:25	Tapping		8.47	
63234720	11:24	11:27:53	1st Charge		3.47	
	11:43	11:45:11	2nd Charge		1.68	
	12:17	12:18:23	Carbon Boil		0.87	
	12:20	12:21:01			0.22	
	12:21	12:29:42	Tapping		8.33	
63234721	12:29	12:33:03	1st Charge		3.35	
	12:48	12:49:58	2nd Charge		1.67	
	13:19	13:20:20	Carbon Boil		0.83	
	13:25	13:31:28	Tapping		6.20	
63234722	13:31	13:36:49	1st Charge		5.35	
	13:51	13:53:30	2nd Charge		1.63	
	14:24	14:25:57	Carbon Boil		1.33	
	14:29	14:36:43	Tapping		6.87	
63234723	14:36	14:41:31	1st Charge		4.80	1668c.. (12/3/2023 14:51 CLAYBROOKS, KENDRICK)
	14:43	14:49:44	Add Electrode		5.88	1667s (12/3/2023 14:55 CLAYBROOKS, KENDRICK)
	15:02	15:04:33	2nd Charge		1.58	
	15:35	15:36:27			0.53	
	15:37	15:42:56	Tapping		5.87	
63234724	15:42	15:46:49	1st Charge		3.88	
	16:01	16:03:28	2nd Charge		1.60	
	16:34	16:35:50	Carbon Boil		1.40	
	16:39	16:46:16	Tapping		6.73	
63234725	16:46	16:49:29	1st Charge		3.22	
	16:59	16:59:15			0.02	
	17:04	17:06:18	2nd Charge		1.73	
	17:16	17:16:37			0.00	
	17:35	17:35:57	Carbon Boil		0.60	
	17:41	17:46:56	Tapping		5.17	
63234726	17:46	17:49:56	1st Charge		3.00	
	17:49	17:52:13	Gunned Furnace		2.28	
	18:07	18:09:23	2nd Charge		1.62	
	18:42	18:48:55	Tapping		6.70	
63234727	18:48	18:52:09	1st Charge		3.23	
	19:07	19:08:36	2nd Charge		1.47	
	19:35	19:38:24	Plate Change		2.90	
	19:46	19:46:20			0.32	
	19:47	19:53:41	Tapping		5.77	
63234728	19:53	19:56:52	1st Charge		3.18	
	20:12	20:13:49	2nd Charge		1.50	
	20:48	20:53:42	Tapping		5.50	
63234729	20:53	20:57:18	1st Charge		3.60	
	21:12	21:14:21	2nd Charge		1.68	
	21:42	21:45:23	Blank	Billet Jammed	3.10	
	21:50	21:56:09	Tapping		5.30	
63234730	21:56	21:59:09	1st Charge		3.00	
	21:59	22:01:10	Electrode Slip		2.02	all 3 (12/3/2023 22:04 CLAYBROOKS, KENDRICK)
	22:03	22:06:55	Add Electrode		3.63	s1666 (12/3/2023 22:04 CLAYBROOKS, KENDRICK)
	22:20	22:21:37	2nd Charge		1.43	
	22:55	23:00:02	Tapping		4.65	
63234731	23:00	23:03:33	1st Charge		3.52	
	23:18	23:19:38	2nd Charge		1.42	
	23:46	23:47:51	Carbon Boil		1.50	
	23:47	23:49:18	Cleaning Ladle Lip		1.45	
	23:55	23:57:25	Cleaning Ladle Lip		1.92	
	23:57	23:58:19	Take Temperature		0.78	
	0:01	00:01:28	Take Temperature		0.40	
	0:02	00:07:29	Tapping		5.00	
63234732	0:07	00:12:50	1st Charge		5.35	
	0:27	00:28:41	2nd Charge		1.48	
	0:54	00:57:10	Swap to backup ladle		2.90	
	1:01	01:01:31	Carbon Boil		0.50	
	1:06	01:14:32	Tapping		7.97	
63234733	1:14	01:17:57	1st Charge		3.42	
	1:33	01:34:43	2nd Charge		1.62	
	2:05	02:06:31	Take Temperature		0.77	
	2:09	02:15:05	Tapping		5.52	
63234734	2:15	02:18:05	1st Charge		3.00	
	2:18	02:42:28	Gunned Furnace		24.38	
	2:57	02:58:44	2nd Charge		1.60	
	3:33	03:38:58	Tapping		5.27	
63234735	3:38	03:42:20	1st Charge		3.37	
	3:58	04:00:51	2nd Charge		2.37	
	4:24	04:30:09	Blank	Billet Jammed	5.18	
	4:41	04:47:19	Tapping		5.43	
63234736	4:47	04:51:15	1st Charge		3.93	
	5:06	05:07:35	2nd Charge		1.48	
	5:42	05:48:17	Tapping		5.68	

Days 250.00 70%
Nights 250.00 70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/4/2023

heat	start time	end time	obser	reason	duration	note
63234737	5:48	05:51:14	1st Charge		2.95	
	6:06	06:07:35	2nd Charge		1.38	
	6:31	06:42:55	Blank	Billet Jammed	11.75	
	6:46	06:49:42	Carbon Boil		2.78	
	6:56	07:02:18	Tapping		5.38	
63234738	7:02	07:05:54	1st Charge		3.60	
	7:06	07:06:28	Electrode Slip		0.57	
	7:21	07:23:20	2nd Charge		1.60	
	7:56	07:56:59	Take Temperature		0.67	
	7:59	08:04:21	Tapping		4.87	
63234739	8:04	08:09:11	1st Charge		4.83	
	8:11	08:18:05	Add Electrode		6.75	Swapped A phase into B phase new stick in A phase. Added 1653. (12/4/2023 08:44 GRAY, CODY)
	8:31	08:32:55	2nd Charge		1.62	
	9:04	09:06:55	Push Door		2.88	Scrap behind breast. Catfish keeps hitting scrap. (12/4/2023 09:05 GRAY, CODY)
	9:07	09:07:03	Electrodes Moving Slow		0.03	
63234740	9:11	09:13:17	Lance Taphole		2.08	
	9:13	09:18:30	Tapping		5.22	
	9:18	09:21:30	1st Charge		3.00	
	9:21	09:22:41	Electrode Slip		1.18	
	9:37	09:38:34	2nd Charge		1.50	
63234741	9:38	09:41:06	Breakdown		2.53	
	10:17	10:23:34	Tapping		5.68	
	10:23	10:26:35	1st Charge		3.02	
	10:26	10:27:16	Other		0.43	Electrodes arcing on hard scrap. Ran them up to make sure electrode was not broke. (12/4/2023 10:30 GRAY, CODY)
	10:43	10:44:55	2nd Charge		1.75	
63234742	10:45	10:45:18	Skull arcing		0.30	Skull fell off when electrodes raised up. (12/4/2023 11:23 GRAY, CODY)
	11:16	11:19:47	Blank	Grade Change	3.17	
	11:20	11:23:31	Lance Taphole		2.70	
	11:23	11:28:42	Tapping		5.18	
	11:28	11:32:07	1st Charge		3.42	
63234743	11:47	11:49:18	2nd Charge		1.55	
	12:19	12:20:23	Carbon Boil		0.73	
	12:20	12:20:36	Electrodes Moving Slow		0.08	
	12:23	12:25:53	Blank	Grade Change	2.17	
	12:25	12:26:05	Electrodes Moving Slow		0.10	
63234744	12:28	12:30:23	Lance Carbon		1.90	
	12:30	12:31:17	Lance Taphole		0.90	
	12:31	12:36:09	Tapping		4.87	
	12:36	12:39:45	1st Charge		3.60	
	12:39	12:40:21	Electrode Slip		0.60	Back slip. (12/4/2023 12:41 GRAY, CODY)
63234745	12:40	12:40:49	Electrode Slip		0.47	
	12:42	12:46:44	Add Electrode		3.93	1654 (12/4/2023 12:51 GRAY, CODY)
	12:59	13:01:05	2nd Charge		1.55	
	13:12	13:17:51	Froze Off		5.25	ladle didn't open. All strands froze off (12/4/2023 13:19 GRAY, CODY)
	13:36	15:01:19	Froze Off		84.42	Ladle would not open. (12/4/2023 13:42 GRAY, CODY)
63234746	15:11	15:15:07	Froze Off		3.95	Ladle not open. (12/4/2023 15:15 GRAY, CODY)
	15:17	15:18:51	Lance Taphole		1.23	
	15:18	15:23:53	Tapping		5.03	
	15:23	16:19:53	Pourback	Ladle did not open	56.00	Gun around door, tried to gun furnace but both north and south gun would not work. got south gun to work enough to gun around slag door for pourback. (12/4/2023 16:38 GRAY, CODY)
	16:19	16:24:26	Pourback	Ladle did not open	4.55	
63234747	16:28	16:37:05	Lance Carbon		8.73	
	16:37	16:41:50	Lab-Sample		4.75	
	16:46	16:51:47	Tapping		5.78	
	16:51	17:23:32	Gunned Furnace		31.75	Gun is not working right, have to kink hose and purge gun to get material to come out. (12/4/2023 17:20 GRAY, CODY)
	17:33	17:33:35			0.00	
63234748	17:40	17:41:45	2nd Charge		1.62	
	18:18	18:18:48	Take Temperature		0.67	
	18:20	18:28:23	Lance Taphole		7.75	
	18:28	18:30:49	1st Charge		2.43	
	18:45	18:47:17	2nd Charge		1.60	
63234749	18:56	19:03:38	Break down		7.60	
	19:29	19:35:57	Tapping		6.80	
	19:35	19:41:29	1st Charge		5.53	
	19:56	19:58:06	2nd Charge		1.67	
	20:29	20:30:45	Carbon Boil		0.88	
63234750	20:33	20:36:33	Lance Taphole		3.43	
	20:36	20:42:12	Tapping		5.60	
	20:42	20:45:53	1st Charge		3.68	
	21:01	21:04:00	2nd Charge		2.92	
	21:16	21:21:45	Break down		5.56	
63234751	21:33	21:54:24	Blank		21.27	
	22:09	22:15:00	Tapping		5.93	
	22:15	22:20:21	1st Charge		5.35	
	22:36	22:38:23	2nd Charge		1.70	
	23:10	23:12:54	Carbon Boil		1.96	
63234752	23:14	23:20:19	Tapping		5.78	
	23:20	23:23:27	1st Charge		3.13	
	23:38	23:40:25	2nd Charge		1.67	
	0:10	00:11:16	Carbon Boil		1.13	
	0:15	00:21:17	Tapping		6.00	
63234753	0:21	00:25:45	1st Charge		4.47	
	0:41	00:42:50	2nd Charge		1.65	got a spare ladle but it has 50 plus heats need to hold it long as we can (12/5/2023 01:05 GRAY, CODY)
	1:05	01:07:51	Plate Change		2.67	
	1:14	01:15:35	Carbon Boil		1.12	
	1:20	01:26:40	Tapping		6.43	
63234754	1:26	01:29:28	1st Charge		2.80	
	1:44	01:46:40	2nd Charge		1.70	
	2:16	02:17:34	Carbon Boil		0.93	
	2:21	02:27:26	Tapping		5.87	
	2:27	02:32:11	1st Charge		4.75	
63234755	2:35	02:42:28	Add Electrode		6.60	1653b...1654c...1659s (12/5/2023 02:39 GRAY, CODY)
	2:54	02:55:55	2nd Charge		1.68	
	3:25	03:26:22	Carbon Boil		0.67	
	3:29	03:37:33	Tapping		7.98	
	3:37	03:40:22	1st Charge		2.82	
63234756	3:55	03:57:34	2nd Charge		1.82	
	4:27	04:29:06	Carbon Boil		1.27	
	4:33	04:39:01	Tapping		5.45	
	4:39	04:42:21	1st Charge		3.33	
	4:57	04:59:41	2nd Charge		1.73	
63234757	5:30	05:31:33	Carbon Boil		0.95	
	5:31	05:31:47			0.02	
	5:33	05:40:09	Tapping		6.20	
	5:40	05:42:58	1st Charge		2.82	
	5:58	06:00:00	2nd Charge		1.73	
63234758	6:28	06:31:39	Carbon Boil		3.25	
	6:37	06:43:10	Tapping		5.52	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/5/2023

heat	start time	end time	obser	reason	duration	note
63234757	6:43	06:46:10	1st Charge		3.00	
	6:46	06:52:18	Gunned Furnace		6.13	Gunned taphole, gun stopped working. (12/5/2023 07:10 GRAY, CODY)
	7:08	07:10:02	2nd Charge		1.88	
	7:36	07:39:37	Carbon Boil		1.50	
	7:45	07:53:14	Tapping		7.85	
63234758	7:53	07:57:40	1st Charge		4.43	
	7:59	08:01:33	Reset KWH meter		1.67	Pressed reset on KWH and did not reset. Did not notice it until power on. QMOS showed 1900 counts, HMI screen showed 487. (12/5/2023 08:04 GRAY, CODY)
	8:15	08:17:36	2nd Charge		1.73	
	8:49	08:50:27	Lance Taphole		1.18	
	8:50	08:55:32	Tapping		5.08	
63234759	8:55	08:58:32	1st Charge		3.00	
	8:58	09:11:54	Gunned Furnace		13.37	Under numbe 1 and behind breast. (12/5/2023 09:12 GRAY, CODY)
	9:27	09:29:39	2nd Charge		1.70	
	10:04	10:12:38	Tapping		7.65	
63234760	10:12	10:16:20	1st Charge		3.70	
	10:16	10:17:34	Electrode Slip		1.23	
	10:33	10:35:00	2nd Charge		1.77	
	10:49	10:49:24	Other		0.17	Employee training, accidentally pushe wrong joy stick. (12/5/2023 10:50 GRAY, CODY)
	11:06	11:07:14			0.53	
	11:09	11:14:48	Tapping		5.55	
63234761	11:14	11:18:02	1st Charge		3.23	
	11:33	11:35:51	2nd Charge		2.03	
	12:08	12:09:16	Swap to backup ladle		1.25	
	12:12	12:13:24	Lance Taphole		1.30	
	12:13	12:19:06	Tapping		5.70	
63234762	12:19	12:22:06	1st Charge		3.00	
	12:22	12:24:00	Drop Start Bucket		1.90	
	12:24	12:26:31	Reset KWH meter		2.52	KWH would not reset before dropping charge. Had to hold power KWH button and power on to reset before charge. (12/5/2023 12:29 GRAY, CODY)
	12:34	12:39:07	Mag Bezel Ring	Dropped Charge Off-Center	4.57	
	12:47	12:51:49	Waiting For Crane	Training Employee	4.37	Had to mag bezel ring after start bucket. Was hooking back up to bucket. (12/5/2023 12:53 GRAY, CODY)
	13:21	13:23:48	Recarb		2.70	
	13:23	13:29:02	Tapping		5.27	
63234763	13:29	13:32:02	1st Charge		3.00	
	13:32	13:35:32	Push Door		3.50	
	13:35	13:36:56	Drop Start Bucket		1.40	
	13:53	13:55:40	2nd Charge		2.60	
	14:04	14:07:26	Break down		2.48	Tripped (12/5/2023 14:06 GRAY, CODY)
	14:34	14:36:12	Tapping		5.18	
63234764	14:39	14:42:12	1st Charge		3.00	
	14:42	14:44:36	Clean Slag Door		2.40	
	14:44	14:45:30	Electrode Slip		0.90	
	14:45	14:47:20	Electrode Slip		1.83	Could not see electrode, Cool room had to come spot electrode slip. (12/5/2023 14:49 GRAY, CODY)
	15:02	15:05:19	2nd Charge		2.40	
	15:38	15:43:38	Tapping		4.72	
63234765	15:43	15:46:38	1st Charge		3.00	
	15:46	15:48:44	Waiting For Crane	Training Employee	2.10	Start bucket. (12/5/2023 15:51 GRAY, CODY)
	15:48	15:49:18	Electrode Slip		0.57	Back slip. (12/5/2023 15:51 GRAY, CODY)
	15:55	16:01:25	Add Electrode		6.42	1660 (12/5/2023 15:55 GRAY, CODY)
	16:10	16:12:11	2nd Charge		1.58	
	16:40	16:41:14	Carbon Boil		0.57	
	16:46	16:53:03	Tapping		6.08	
63234766	16:53	16:56:03	1st Charge		3.00	Strand 1 upper nozzle lanced into. Casters replaced nozzles multiple times to try and slow down wear through out the shift. Gunned furnace and ran slinger after tap while down for tundish change. Added B phase hot, 1657(12/5/2023 17:34 GRAY, CODY) (12/5/2023 18:26 GRAY, CODY)
	16:56	18:32:48	Tundish Change Only		96.75	(12/5/2023 18:55 Ben Gearin)
	18:49	18:50:41	2nd Charge		1.53	#1 nozzle bad (12/5/2023 18:55 Ben Gearin)
	19:15	19:27:24	Other		12.17	number 1 nozzle bad couldnt start up the strand (12/5/2023 19:46 GRAY, CODY)
	19:43	19:51:42	Tapping		8.48	
63234767	19:51	19:54:43	1st Charge		3.02	
	20:11	20:12:57	2nd Charge		1.63	
	20:46	20:51:57	Tapping		5.95	
63234768	20:51	20:55:58	1st Charge		4.02	
	21:11	21:13:05	2nd Charge		1.60	
	21:43	21:44:47	Carbon Boil		1.33	
	21:48	21:55:14	Tapping		6.60	
63234769	21:55	21:58:39	1st Charge		3.42	
	22:11	22:11:51			0.05	
	22:14	22:16:29	2nd Charge		1.82	
	22:39	22:44:01	Other		4.07	to hot to start other strand (12/5/2023 22:51 GRAY, CODY)
	22:50	22:52:16	Carbon Boil		1.42	
	22:55	23:01:55	Tapping		6.72	
63234770	23:01	23:06:03	1st Charge		4.13	
	23:22	23:23:55	2nd Charge		1.77	
	23:55	23:56:50	Carbon Boil		1.00	
	23:58	00:03:46	Tapping		5.53	
63234771	0:03	00:06:58	1st Charge		3.20	
	0:22	00:24:09	2nd Charge		1.97	
	0:47	01:05:48	Breakdown		18.12	
	1:16	01:17:16			1.23	
	1:18	01:20:41	Carbon Boil		2.67	
	1:20	01:20:51			0.08	
	1:21	01:26:50	Tapping		5.25	
63234772	1:26	01:31:21	1st Charge		4.52	
	1:47	01:48:50	2nd Charge		1.63	
	2:17	02:18:57	Carbon Boil		1.02	
	2:23	02:30:25	Tapping		6.77	
63234773	2:30	02:34:16	1st Charge		3.85	
	2:50	02:51:44	2nd Charge		1.65	
	3:23	03:26:17	Carbon Boil		2.68	
	3:27	03:35:23	Tapping		7.58	
63234774	3:35	03:40:08	1st Charge		4.75	
	3:44	03:47:26	Add Electrode		3.05	1658s....1660c (12/6/2023 03:45 GRAY, CODY)
	3:58	04:00:25	2nd Charge		1.72	
	4:31	04:32:46	Carbon Boil		0.93	
	4:33	04:40:30	Tapping		6.70	
63234775	4:40	04:43:30	1st Charge		3.00	
	4:59	05:01:11	2nd Charge		1.75	
	5:34	05:43:48	Tapping		9.17	
63234776	5:43	05:48:12	1st Charge		4.40	
	6:04	06:05:51	2nd Charge		1.58	
	6:33	06:34:47	Carbon Boil		0.90	
	6:39	06:46:24	Tapping		6.48	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/6/2023

heat	start_time	end_time	obser	reason	duration	note
63234777	6:46	06:49:34	1st Charge		3.17	
	7:04	07:06:01	2nd Charge		1.60	
	7:37	07:38:28	Carbon Boil		0.98	
	7:39	07:41:57	Lance Carbon		2.28	
	7:41	07:43:24	Raking tap hole		1.45	
	7:43	07:45:14	Lance Taphole		1.83	
	7:45	07:49:37	Tapping		4.38	
63234778	7:49	07:53:37	1st Charge		4.00	
	8:08	08:10:21	2nd Charge		1.97	
	8:43	08:44:31	Take Temperature		1.35	
	8:44	08:44:38	Electrodes Moving Slow		0.03	
	8:47	08:48:45	Lance Taphole		1.48	
	8:48	08:53:09	Tapping		4.40	
63234779	8:53	08:56:09	1st Charge		3.00	
	8:56	08:57:27	Clean Slag Door		1.30	
	8:57	08:58:15	Electrode Slip		0.80	
	8:58	08:58:57	Electrode Slip		0.70	
	9:13	09:15:51	2nd Charge		1.93	
	9:50	09:50:55	Take Temperature		0.70	
	9:50	09:56:27	Tapping		5.53	
63234780	9:56	09:59:27	1st Charge		3.00	
	9:59	10:06:23	Gunned Furnace		6.93	breast (12/6/2023 10:09 GRAY, CODY)
	10:23	10:24:33	2nd Charge		1.50	
	10:24	10:26:26	Crane Busy		1.88	sat ladle on cart on south end, late getting hooked back up, slagged out (12/6/2023 10:29 GRAY, CODY)
	10:56	10:59:31	Lance Taphole		2.72	
	11:02	11:07:57	Tapping		5.35	
63234781	11:07	11:11:52	1st Charge		3.92	
	11:28	11:30:26	2nd Charge		1.85	
	11:59	12:00:50	Carbon Boil		0.90	
	12:05	12:05:21			0.00	
	12:05	12:11:11	Tapping		5.75	
63234782	12:11	12:14:32	1st Charge		3.35	
	12:29	12:31:13	2nd Charge		1.70	
	12:58	12:59:53	Carbon Boil		1.40	
	13:04	13:11:37	Swap to backup ladle		7.45	
	13:14	13:20:38	Tapping		5.82	
63234783	13:20	13:23:38	1st Charge		3.00	
	13:23	13:26:20	Clean Slag Door		2.70	
	13:26	13:27:08	Electrode Slip		0.80	
	13:27	13:28:02	Electrode Slip		0.90	
	13:28	13:28:52	Electrode Slip		0.83	
	13:43	13:45:36	2nd Charge		1.63	
	14:19	14:28:31	Tapping		8.90	
63234784	14:28	14:31:31	1st Charge		3.00	
	14:31	14:36:45	Lab-Sample		5.23	
	14:51	14:53:49	2nd Charge		1.97	
	15:27	15:32:05	Tapping		4.88	
63234785	15:32	15:35:19	1st Charge		3.23	
	15:50	15:51:40	2nd Charge		1.60	
	16:19	16:20:51	Carbon Boil		1.45	
	16:25	16:31:15	Tapping		6.00	
63234786	16:31	16:34:15	1st Charge		3.00	
	16:34	16:34:51	Electrode Slip		0.60	
	16:34	16:35:27	Electrode Slip		0.60	
	16:35	16:36:09	Electrode Slip		0.70	
	16:36	16:37:23	Fill Taphole Hopper		1.23	
	16:52	16:54:44	2nd Charge		1.92	
	17:26	17:27:04			0.23	
	17:28	17:32:26	Tapping		4.37	
63234787	17:32	17:36:22	1st Charge		3.93	
	17:51	17:53:17	2nd Charge		2.07	
	18:20	18:21:14	Carbon Boil		1.08	
	18:28	18:33:02	Tapping		4.82	
63234788	18:33	18:36:02	1st Charge		3.00	
	18:36	18:44:49	Gunned Furnace		8.78	taphole (12/6/2023 18:45 GRAY, CODY)
	18:59	19:01:20	2nd Charge		1.72	
	19:35	19:41:50	Tapping		6.23	
63234789	19:41	19:44:50	1st Charge		3.00	
	19:44	19:45:50	Electrode Slip		1.00	
	19:45	19:46:34	Electrode Slip		0.73	
	19:49	19:53:53	Add Electrode		4.22	1663 to tank (12/6/2023 20:21 Tim Maclin)
	20:05	20:07:05	2nd Charge		1.75	
	20:34	20:35:23	Carbon Boil		0.92	
	20:39	20:46:05	Tapping		6.57	
63234790	20:46	20:49:05	1st Charge		3.00	
	20:49	20:50:05	Electrode Slip		1.00	
	20:50	20:50:49	Electrode Slip		0.73	
	20:53	20:57:39	Add Electrode		4.42	1664 to tank. (12/6/2023 20:55 Tim Maclin)
	21:10	21:11:38	2nd Charge		1.60	
	21:38	21:39:02	Carbon Boil		0.52	
	21:43	21:48:35	Tapping		4.85	
63234791	21:48	21:51:28	1st Charge		2.88	
	22:06	22:07:36	2nd Charge		1.57	
	22:36	22:37:00	Carbon Boil		0.82	
	22:41	22:44:32	Blank		3.12	Blanked strand for electrode change, caused late slag out. (12/7/2023 01:50 Tim Maclin)
	22:46	22:52:15	Tapping		6.12	
63234792	22:52	22:58:12	1st Charge		5.95	
	23:12	23:14:21	2nd Charge		1.60	
	23:42	23:46:20			3.60	Late slag out. (12/7/2023 01:52 Tim Maclin)
	23:51	23:56:53	Tapping		5.10	
	23:56	00:00:58	Shutdown		4.08	
Days				250.00	70%	
Nights				250.00	70%	

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/7/2023

heat	start_time	end_time	obser	reason	duration	note
63234793	0:00	19:55:13	Downday		1194.25	
	20:14	20:15:51	2nd Charge		1.60	
	20:15	20:22:51	Cold Furnace Start Up		7.00	
	20:39	20:46:53	Cold Furnace Start Up		7.37	
	20:57	21:04:32	Cold Furnace Start Up		6.60	
	21:08	21:10:37	Cold Furnace Start Up		2.27	
	21:13	21:15:00	Carbon Boil		2.00	
	21:15	21:17:37	Cold Furnace Start Up		2.62	
	21:20	21:22:56	Cold Furnace Start Up		2.73	
	21:26	21:29:43	Cold Furnace Start Up		3.55	
	21:32	21:36:22	Lance Taphole		4.03	
	21:38	21:40:22	Lance Taphole		2.20	
	21:40	21:48:47	Tapping		8.42	
63234794	21:48	21:54:14	1st Charge		5.45	
	22:09	22:11:33	2nd Charge		1.65	
	22:42	22:43:23	Carbon Boil		0.57	
	22:47	22:50:34	Lance Taphole		3.00	
	22:50	23:00:57	Tapping		10.38	
63234795	23:00	23:04:11	1st Charge		3.23	
	23:19	23:21:27	2nd Charge		1.68	
	23:51	23:57:17	Push Door		5.45	
	0:00	00:04:30	Lance Taphole		4.47	
	0:05	00:13:29	Tapping		8.45	
63234796	0:13	00:18:17	1st Charge		4.80	
	0:28	00:28:56			0.00	
	0:33	00:34:52	2nd Charge		1.75	
	1:07	01:08:37			1.00	
	1:08	01:20:08	Lance Taphole		11.52	
63234797	1:20	01:23:45	1st Charge		3.62	
	1:38	01:39:59	2nd Charge		1.60	
	1:39	01:41:19			1.33	Lost out light. (12/8/2023 02:29 Tim Maclin)
	2:14	02:16:42	Lance Taphole		1.72	
	2:17	02:24:24	Tapping		7.17	
63234798	2:24	02:27:19	1st Charge		2.92	
	2:41	02:43:24	2nd Charge		1.73	
	3:17	03:27:31	Tapping		10.27	
63234799	3:27	03:31:08	1st Charge		3.62	
	3:44	03:46:42	2nd Charge		1.77	
	4:15	04:16:47	Carbon Boil		1.00	
	4:20	04:29:05	Tapping		8.52	
63234800	4:29	04:32:13	1st Charge		3.13	
	4:41	04:41:18	Electrodes Moving Slow		0.03	
	4:47	04:49:02	2nd Charge		1.88	
	5:16	05:16:53	Carbon Boil		0.73	
	5:21	05:23:48	Lance Taphole		2.20	
	5:23	05:32:08	Tapping		8.33	
63234801	5:32	05:34:51	1st Charge		2.72	
	5:48	05:50:37	2nd Charge		1.77	
	6:23	06:25:13			1.60	
	6:26	06:34:09	Tapping		7.83	

Days	250.00	70%
Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/8/2023

heat	start_time	end_time	obser	reason	duration	note
63234802	6:34	06:37:09	1st Charge		3.00	
	6:37	06:37:54	Electrode Slip		0.75	
	6:37	06:38:20	Electrode Slip		0.43	
	6:38	06:38:47	Electrode Slip		0.45	
	6:54	06:56:35	2nd Charge		2.52	
	7:23	07:24:27			1.07	
	7:31	07:43:40	Tapping		12.48	
63234803	7:43	07:47:31	1st Charge		3.85	
	8:02	08:04:12	2nd Charge		1.45	
	8:37	08:45:24	Tapping		7.72	
63234804	8:45	08:48:17	1st Charge		2.88	
	9:03	09:05:12	2nd Charge		1.62	
	9:38	09:48:42	Tapping		9.95	
63234805	9:48	09:51:46	1st Charge		3.07	
	10:06	10:07:33	2nd Charge		1.50	
	10:40	10:49:50	Tapping		9.05	
63234806	10:49	10:55:00	1st Charge		5.17	
	11:10	11:11:29	2nd Charge		1.47	
	11:40	11:41:00			0.95	
	11:46	11:55:08	Tapping		9.02	
63234807	11:55	12:00:06	1st Charge		4.97	
	12:14	12:16:08	2nd Charge		1.48	
	12:45	12:46:26	Carbon Boil		0.73	
	12:50	12:51:17	Take Temperature		0.93	
	12:52	13:00:41	Tapping		8.03	
63234808	13:00	13:03:41	1st Charge		3.00	
	13:18	13:20:50	2nd Charge		2.00	
	13:56	14:08:49	Tapping		12.70	
63234809	14:08	14:12:44	1st Charge		3.92	
	14:28	14:29:39	2nd Charge		1.47	
	15:03	15:12:51	Tapping		9.08	
63234810	15:12	15:15:51	1st Charge		3.00	
	15:15	15:35:51	Ran Slinger		20.00	
	15:35	16:15:49	Breakdown		39.97	hydraulic leak on hard pipe to slag side stabilizer (12/8/2023 15:48 Tim Maclin)
	16:30	16:32:53	2nd Charge		1.98	
	17:07	17:17:23	Lance Taphole		10.00	
	17:17	17:25:23	Tapping		8.00	
63234811	17:25	17:28:53	1st Charge		3.50	
	17:43	17:45:27	2nd Charge		2.17	
	18:16	18:17:12	Carbon Boil		1.03	
	18:20	18:20:35	Take Temperature		0.58	
	18:20	18:33:24	Tapping		12.72	
63234812	18:33	18:37:29	1st Charge		4.08	
	18:39	18:48:40	Add Electrode		8.87	
	19:00	19:02:30	2nd Charge		1.68	
	19:33	19:42:07	Tapping		8.15	
63234813	19:42	19:46:11	1st Charge		4.07	
	20:00	20:02:23	2nd Charge		1.77	
	20:34	20:42:08	Tapping		7.42	
63234814	20:42	20:45:36	1st Charge		3.47	
	20:49	20:53:06	Add Electrode		4.02	1651 to tank (12/8/2023 21:21 Tim Maclin)
	21:04	21:05:42	2nd Charge		1.60	
	21:05	21:18:54	Low Water Flow		13.20	1 inch stool water line came off. (12/8/2023 21:20 Tim Maclin)
	21:52	22:06:34	Tapping		14.52	
63234815	22:06	22:09:58	1st Charge		3.40	
	22:13	22:17:38	Add Electrode		4.02	1650 to tank (12/8/2023 22:46 Tim Maclin)
	22:29	22:31:10	2nd Charge		2.10	
	23:03	23:03:45	Lance Taphole		0.52	
	23:04	23:12:16	Tapping		7.42	
63234816	23:12	23:15:02	1st Charge		2.77	
	23:29	23:31:01	2nd Charge		1.73	
	0:05	00:13:17	Tapping		8.12	
63234817	0:13	00:16:19	1st Charge		3.03	
	0:30	00:32:08	2nd Charge		1.70	
	1:07	01:08:54	Take Temperature		1.00	
	1:08	01:10:36	Lance Taphole		1.70	
	1:10	01:19:22	Tapping		8.77	
63234818	1:19	01:21:50	1st Charge		2.47	
	1:36	01:37:45	2nd Charge		1.65	
	2:10	02:12:33	Lance Taphole		1.60	
	2:12	02:20:17	Tapping		7.73	
63234819	2:20	02:23:41	1st Charge		3.40	
	2:36	02:38:27	2nd Charge		1.63	
	3:09	03:09:41	Carbon Boil		0.68	
	3:13	03:21:15	Tapping		8.00	
63234820	3:21	03:25:46	1st Charge		4.52	
	3:39	03:41:38	2nd Charge		1.67	
	4:14	04:21:19	Tapping		6.48	
63234821	4:21	04:24:10	1st Charge		2.85	
	4:38	04:41:37	2nd Charge		3.25	
	5:14	05:21:57	Tapping		7.28	
63234822	5:21	05:24:57	1st Charge		3.00	
	5:24	05:32:58	Gunned Furnace		8.02	
	5:47	05:49:01	2nd Charge		1.80	
	6:23	06:24:46	Take Temperature		1.00	
	6:24	06:32:43	Tapping		7.95	

Days 250.00 70%
Nights 250.00 70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/9/2023

heat	start time	end time	obser	reason	duration	note
63234823	6:32	06:35:43	1st Charge		3.00	
	6:35	06:50:33	Plugged		14.83	
	7:07	07:11:24	2nd Charge		4.90	
	7:43	07:53:32	Tapping		9.98	
63234824	7:53	07:56:48	1st Charge		3.27	
	8:12	08:13:54	2nd Charge		1.45	
	8:47	08:55:16	Tapping		7.67	
63234825	8:55	08:59:37	1st Charge		4.35	
	9:14	09:15:48	2nd Charge		1.50	
	9:15	09:17:35	Breakdown		1.78	move from manual station (12/9/2023 09:23 Tim Maclin)
	9:45	09:48:41	Redump Ladle		2.82	
	9:55	10:00:29	Recarb		5.00	
	10:00	10:09:01	Tapping		8.53	
63234826	10:09	10:12:01	1st Charge		3.00	
	10:12	10:16:00	Breakdown		3.98	lost pin in and out lights (12/9/2023 10:59 Tim Maclin)
	10:31	10:33:09	2nd Charge		1.90	
	11:04	11:05:53	Carbon Boil		1.18	
	11:08	11:21:41	Tapping		12.73	
63234827	11:21	11:24:43	1st Charge		3.03	
	11:39	11:41:31	2nd Charge		1.75	
	12:14	12:25:08	Tapping		10.37	
63234828	12:25	12:28:08	1st Charge		3.00	
	12:28	12:37:32	Breakdown		9.40	
	12:53	12:54:29	2nd Charge		1.42	
	13:30	13:39:35	Tapping		9.55	
63234829	13:39	13:43:31	1st Charge		3.93	
	13:59	14:00:37	2nd Charge		1.53	
	14:26	14:33:01	Blank		6.30	
	14:40	14:44:56	Other		4.90	
	14:44	14:53:15	Other		8.32	
63234830	14:53	14:56:15	1st Charge		3.00	
	14:56	14:59:42	Plugged		3.45	
	15:15	15:17:07	2nd Charge		1.93	
	15:27	15:27:27			0.00	
	15:50	15:50:42	Take Temperature		0.45	
	15:51	15:59:44	Tapping		8.23	
63234831	15:59	16:02:44	1st Charge		3.00	
	16:02	16:05:00	Electrode Slip		2.27	
	16:20	16:22:26	2nd Charge		2.37	
	16:55	17:03:26	Tapping		7.80	
63234832	17:03	17:07:15	1st Charge		3.82	
	17:22	17:24:51	2nd Charge		1.93	
	17:58	18:06:07	Breakdown		7.70	broke pole (12/9/2023 18:33 Tim Maclin)
	18:07	18:11:07	Breakdown		3.20	could get a good temp (12/9/2023 18:36 Tim Maclin)
	18:11	18:19:51	Tapping		8.73	
63234833	18:19	18:22:51	1st Charge		3.00	
	18:22	18:25:04	Other		2.22	putting out fires on the east side (12/9/2023 18:33 Tim Maclin)
	18:41	18:43:07	2nd Charge		1.85	
	19:16	19:23:55	Tapping		7.77	
63234834	19:23	19:27:34	1st Charge		3.65	
	19:42	19:43:46	2nd Charge		1.62	
	19:54	19:54:17	Cave In		0.05	
	20:16	20:18:25	Lance Taphole		1.50	
	20:18	20:24:40	Tapping		6.25	
63234835	20:24	20:29:35	1st Charge		4.92	
	20:32	20:36:01	Add Electrode		3.65	1655 to tank (12/9/2023 21:34 Tim Maclin)
	20:47	20:49:42	2nd Charge		2.42	
	21:02	21:04:46	Pourback		2.38	10 tons, slagged out early (12/9/2023 21:35 Tim Maclin)
	21:28	21:37:04	Tapping		8.53	
63234836	21:37	21:41:48	1st Charge		4.73	
	21:45	21:48:54			3.70	
	22:00	22:02:13	2nd Charge		1.65	
	22:34	22:41:06	Tapping		6.60	
63234837	22:41	22:45:15	1st Charge		4.15	
	22:48	22:53:18			4.55	
	23:04	23:06:09	2nd Charge		1.48	
	23:37	23:45:13	Tapping		7.42	
63234838	23:45	23:49:30	1st Charge		4.28	
	0:03	00:07:14	2nd Charge		3.67	
	0:40	00:46:45	Tapping		6.42	
63234839	0:46	00:49:45	1st Charge		3.00	
	1:03	01:05:39	2nd Charge		1.83	
	1:39	01:41:23	Lance Taphole		1.88	
	1:41	01:50:33	Tapping		9.17	
63234840	1:50	01:53:10	1st Charge		2.62	
	2:06	02:08:35	2nd Charge		1.88	
	2:42	02:49:43	Tapping		6.83	
63234841	2:49	02:53:04	1st Charge		3.35	
	3:07	03:09:14	2nd Charge		1.60	
	3:09	03:18:01	Jammed with Scrap		8.78	Pin bent, bucket would not close. (12/10/2023 23:59 Tim Maclin)
	3:50	03:52:46			2.73	
	3:55	04:03:31	Tapping		8.18	
63234842	4:03	04:06:47	1st Charge		3.27	
	4:21	04:23:39	2nd Charge		1.98	
	4:58	05:00:08			2.00	Sup visually checking bottom floor of ladle. (12/10/2023 05:05 Tim Maclin)
	5:00	05:07:07	Tapping		6.98	
63234843	5:07	05:10:07	1st Charge		3.00	
	5:10	05:10:52	Electrode Slip		0.75	
	5:10	05:11:28	Electrode Slip		0.60	
	5:11	05:12:13	Electrode Slip		0.75	
	5:26	05:28:49	2nd Charge		2.15	
	6:02	06:04:04	Lance Taphole		2.00	
	6:04	06:12:24	Tapping		8.33	
Days				250.00	70%	
Nights				250.00	70%	

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/10/2023

heat	start time	end time	obser	reason	duration	note
63234844	6:12	06:15:24	1st Charge		3.00	
	6:15	06:23:06			7.70	Gunned (12/10/2023 06:36 Tim Maclin)
	6:38	06:40:08	2nd Charge		1.98	
	7:11	07:12:23	Push Door		0.90	
	7:15	07:16:50	Push Door		1.82	
63234845	7:18	07:28:47	Tapping		10.00	
	7:28	07:31:47	1st Charge		3.00	
	7:31	08:33:30	Tundish Change Only		61.72	
	8:49	08:51:18	2nd Charge		1.48	
	9:17	09:29:02	Tundish Change Only		11.40	
63234846	9:39	09:45:45	Tapping		6.00	
	9:45	09:50:04	Lance Taphole		4.32	
	9:50	09:53:46	1st Charge		3.70	
	10:09	10:10:57	2nd Charge		1.50	
	10:10	10:17:27	Mash With Bucket	Dropped Charge Off-Center	6.50	
63234847	10:22	10:26:35	Mag Bezel Ring	Dropped Charge Off-Center	4.40	
	10:55	10:55:26	Take Temperature		0.02	
	10:55	10:56:00	Take Temperature		0.48	
	10:56	11:09:59	Tapping		13.07	
	11:09	11:12:59	1st Charge		3.00	
63234848	11:12	11:14:47	Alloy System Issue		1.80	belt wouldnt come on button was stuck (12/10/2023 11:17 Tim Maclin)
	11:30	11:32:18	2nd Charge		1.65	
	12:05	12:08:11	Push Door		2.43	
	12:09	12:10:00	Take Temperature		0.30	
	12:10	12:18:55	Tapping		8.80	
63234849	12:18	12:23:29	1st Charge		4.57	
	12:39	12:41:19	2nd Charge		1.68	
	13:13	13:24:00	Tapping		10.98	
	13:24	13:28:39	1st Charge		4.65	
	13:44	13:46:03	2nd Charge		1.45	
63234850	14:18	14:19:56	Push Door		1.13	
	14:20	14:27:38	Tapping		6.72	
	14:27	14:30:38	1st Charge		3.00	
	14:47	14:48:37	2nd Charge		1.52	
	15:21	15:25:25	Gun		3.93	
63234851	15:27	15:37:17	Tapping		9.92	
	15:37	15:40:25	1st Charge		3.13	
	15:56	15:58:00	2nd Charge		1.55	
	16:33	16:41:50	Tapping		8.77	
	16:41	16:44:30	1st Charge		2.67	
63234852	17:00	17:03:23	2nd Charge		2.85	
	17:35	17:45:09	Tapping		9.87	
	17:45	17:48:42	1st Charge		3.55	
	18:04	18:06:23	2nd Charge		1.50	
	18:06	18:07:41	Mash With Bucket	Big Scrap on Top	1.30	
63234853	18:39	18:48:57	Tapping		9.42	
	18:48	18:51:43	1st Charge		2.77	
	19:06	19:12:51	2nd Charge		6.00	
	19:13	19:18:16			4.37	
	19:49	19:57:25	Tapping		8.07	
63234854	19:57	20:14:43	1st Charge		17.30	
	20:31	20:32:58	2nd Charge		1.60	
	21:05	21:07:02			1.92	
	21:08	21:12:10			3.57	
	21:12	21:12:19			0.02	
63234855	21:13	21:14:57	Take Temperature		1.00	
	21:14	21:15:57	Lance Taphole		1.00	
	21:15	21:24:29	Tapping		8.53	
	21:24	21:34:30	1st Charge		10.02	
	21:49	21:51:53	2nd Charge		2.02	
63234856	22:25	22:35:08	Tapping		9.88	
	22:35	22:39:20	1st Charge		4.20	
	22:54	22:56:33	2nd Charge		2.18	
	23:29	23:43:06	Tapping		13.60	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/11/2023

heat	start_time	end_time	obser	reason	duration	note
63234858	23:43	01:39:01			1555.92	
	1:58	01:59:53	2nd Charge		1.50	
	1:59	02:05:15	Cold Furnace Start Up		5.37	
	2:25	02:31:03	Cold Furnace Start Up		5.25	
	2:36	02:41:58	Cold Furnace Start Up		5.08	
	2:44	02:50:30	Cold Furnace Start Up		6.02	
	3:03	03:05:27	Lance Taphole		2.43	
	3:07	03:14:52	Tapping		7.87	
63234859	3:14	03:18:27	1st Charge		3.58	
	3:34	03:36:32	2nd Charge		2.05	
	4:13	04:21:56	Tapping		8.17	
63234860	4:21	04:25:15	1st Charge		3.32	
	4:41	04:44:31	2nd Charge		2.97	
	5:18	05:27:36	Tapping		8.75	
63234861	5:27	05:30:36	1st Charge		3.00	
	5:30	05:33:20	Breakdown		2.73	hole in hard pipe by the burner (12/12/2023 05:34 Tim Maclin)
	5:50	05:52:09	2nd Charge		1.82	
	6:26	06:27:55	Take Temperature		1.45	
	6:28	06:38:01	Tapping		9.30	

Days	250.00	70%
Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/12/2023

heat	start time	end time	obser	reason	duration	note
63234862	6:38	06:40:43	1st Charge		2.70	
	6:57	06:59:26	2nd Charge		1.77	
	7:33	07:40:59	Tapping		7.85	
63234863	7:40	07:45:24	1st Charge		4.42	
	7:49	07:53:44	Add Electrode		3.80	1746s..1745b (12/12/2023 07:56 SMITH, ANTHONY)
	8:05	08:07:02	2nd Charge		1.70	
	8:38	08:46:42	Tapping		8.52	
63234864	8:46	08:49:37	1st Charge		2.92	
	9:05	09:07:06	2nd Charge		1.75	
	9:39	09:45:41	Tapping		6.27	
63234865	9:45	09:49:40	1st Charge		3.98	
	10:05	10:07:22	2nd Charge		1.63	
	10:32	10:33:44	Carbon Boil		1.07	
	10:39	10:47:48	Tapping		8.68	
63234866	10:47	10:50:33	1st Charge		2.75	
	11:06	11:08:15	2nd Charge		1.65	
	11:37	11:37:56	Carbon Boil		0.83	
	11:38	11:38:05			0.00	
	11:41	11:48:31	Tapping		7.27	
63234867	11:48	11:51:29	1st Charge		2.97	
	12:06	12:08:20	2nd Charge		1.63	
	12:35	12:35:46	Carbon Boil		0.68	
	12:35	12:35:54			0.05	
	12:41	12:48:56	Tapping		7.65	
63234868	12:48	12:52:57	1st Charge		4.02	
	13:08	13:10:03	2nd Charge		1.60	
	13:41	13:50:47	Tapping		8.90	
63234869	13:50	13:53:32	1st Charge		2.75	
	14:09	14:10:52	2nd Charge		1.65	
	14:42	14:50:34	Tapping		7.65	
63234870	14:50	14:53:34	1st Charge		3.00	
	14:53	15:00:36	Gunned Furnace		7.03	
	15:15	15:17:10	2nd Charge		1.55	
	15:49	15:56:33	Tapping		6.97	
63234871	15:56	15:59:29	1st Charge		2.93	
	16:15	16:17:20	2nd Charge		2.15	
	16:45	16:46:46	Carbon Boil		0.88	
	16:51	16:58:15	Tapping		7.23	
63234872	16:58	17:01:02	1st Charge		2.78	
	17:16	17:18:14	2nd Charge		1.62	
	17:49	17:54:54	Tapping		5.42	
63234873	17:54	17:58:47	1st Charge		3.88	
	18:13	18:15:17	2nd Charge		1.57	
	18:42	18:43:35	Carbon Boil		1.18	
	18:48	18:55:03	Tapping		6.53	
63234874	18:55	18:58:03	1st Charge		3.00	
	18:58	19:07:04	Gunned Furnace		9.02	
	19:22	19:23:57	2nd Charge		1.55	
	19:53	19:54:50	Carbon Boil		1.23	
	19:57	20:07:52	Tapping		9.93	
63234875	20:07	20:10:52	1st Charge		3.00	
	20:10	20:32:45	Ran Slinger		21.88	
	20:48	20:50:03	2nd Charge		1.68	
	21:18	21:19:04	Carbon Boil		0.92	
	21:23	21:24:48	Lance Taphole		1.73	
	21:24	21:31:34	Tapping		6.77	
63234876	21:31	21:33:58	1st Charge		2.40	
	21:41	21:41:26	Electrodes Moving Slow		0.02	
	21:45	21:45:24	Electrodes Moving Slow		0.07	
	21:50	21:52:02	2nd Charge		1.43	
	22:22	22:24:58	Lance Taphole		2.12	
	22:24	22:32:01	Tapping		7.05	
63234877	22:32	22:34:28	1st Charge		2.45	
	22:50	22:51:53	2nd Charge		1.50	
	23:18	23:19:48	Carbon Boil		1.38	
	23:23	23:24:45	Take Temperature		1.72	
	23:26	23:37:37	Plate Change		11.22	
63234878	23:37	23:40:00	1st Charge		2.38	
	23:56	23:57:40	2nd Charge		1.55	
	0:25	00:26:16	Carbon Boil		1.23	
	0:30	00:38:08	Tapping		7.82	
63234879	0:38	00:41:08	1st Charge		3.00	
	0:41	00:42:38	Electrode Slip		1.50	
	0:44	00:48:05	Add Electrode		3.75	s1739 (12/13/2023 00:48 SMITH, ANTHONY)
	1:02	01:04:55	2nd Charge		2.03	
	1:30	01:32:12	Carbon Boil		1.35	
	1:37	01:45:00	Tapping		7.57	
63234880	1:45	01:49:30	1st Charge		4.50	
	2:04	02:06:21	2nd Charge		1.48	
	2:32	02:33:11			1.10	
	2:41	02:48:16	Tapping		7.13	
63234881	2:48	02:51:02	1st Charge		2.77	
	3:07	03:08:39	2nd Charge		1.55	
	3:38	03:40:29	Carbon Boil		1.50	
	3:43	03:51:00	Tapping		7.30	
63234882	3:51	03:54:26	1st Charge		3.43	
	4:10	04:12:48	2nd Charge		2.58	
	4:16	04:25:38	Add Electrode		8.92	s740 (12/13/2023 04:29 SMITH, ANTHONY)
	4:49	05:03:10	Nozzle Change		13.98	
	5:07	05:09:43	Nozzle Change		1.90	
	5:11	05:20:57	Tapping		9.77	
63234883	5:20	05:24:28	1st Charge		3.52	
	5:39	05:40:47	2nd Charge		1.38	
	6:09	06:10:05	Carbon Boil		1.07	
	6:15	06:23:26	Tapping		7.92	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/13/2023

heat	start_time	end_time	obser	reason	duration	note
63234884	6:23	06:26:20	1st Charge		2.90	
	6:41	06:43:27	2nd Charge		1.50	
	7:13	07:14:31	Carbon Boil		1.13	
	7:18	07:25:13	Tapping		6.87	
63234885	7:25	07:28:20	1st Charge		3.12	
	7:43	07:45:11	2nd Charge		1.68	
	8:07	08:22:46	Nozzle Change		15.38	
	8:33	08:41:02	Tapping		7.75	
63234886	8:41	08:44:02	1st Charge		3.00	
	8:44	09:01:46	Gunned Furnace		17.73	tried to run slinger but it was stopped up will try to clean out (12/13/2023 08:55 SMITH, ANTHONY)
	9:17	09:18:42	2nd Charge		1.65	
	9:51	10:00:14	Tapping		8.43	
63234887	10:00	10:06:05	1st Charge		5.85	
	10:07	10:11:42	Add Electrode		3.78	1743s...1739b (12/13/2023 10:09 SMITH, ANTHONY)
	10:24	10:27:22	2nd Charge		2.55	
	10:59	11:05:42	Tapping		6.15	
63234888	11:05	11:12:39	1st Charge		6.95	
	11:28	11:30:13	2nd Charge		2.12	
	12:02	12:02:20			0.23	
	12:03	12:10:01	Tapping		6.43	
63234889	12:10	12:14:51	1st Charge		4.83	
	12:30	12:32:14	2nd Charge		2.13	
	12:59	13:00:47	Carbon Boil		0.98	
	13:06	13:06:23			0.17	
63234890	13:06	13:12:43	Tapping		6.03	
	13:12	13:16:08	1st Charge		3.42	
	13:31	13:36:49	2nd Charge		5.43	
	14:03	14:04:37	Carbon Boil		1.32	
63234891	14:10	14:17:43	Tapping		7.45	
	14:17	14:21:17	1st Charge		3.57	
	14:36	14:39:16	2nd Charge		2.38	
	14:52	14:52:08			0.00	
63234892	15:10	15:11:16	Carbon Boil		0.93	
	15:12	15:14:18	Other		1.37	
	15:15	15:21:24	Tapping		6.20	
	15:21	15:26:34	1st Charge		5.17	
63234893	15:41	15:43:28	2nd Charge		1.63	
	16:15	16:23:32	Tapping		8.10	
	16:23	16:27:00	1st Charge		3.47	
	16:42	16:44:11	2nd Charge		2.15	
63234894	17:11	17:12:15	Carbon Boil		0.78	
	17:12	17:12:22			0.03	
	17:17	17:22:45	Tapping		5.50	
	17:22	17:25:49	1st Charge		3.07	
63234895	17:41	17:42:47	2nd Charge		1.63	
	18:12	18:13:07	Carbon Boil		0.95	
	18:17	18:24:16	Tapping		6.80	
	18:24	18:28:20	1st Charge		4.07	
63234896	18:43	18:45:36	2nd Charge		1.68	
	19:15	19:16:34	Carbon Boil		1.18	
	19:18	19:19:37	Lance Taphole		1.15	
	19:20	19:26:51	Tapping		6.32	
63234897	19:26	19:30:15	1st Charge		3.40	
	19:30	19:31:01	Fill Taphole Hopper		0.77	
	19:46	19:47:51	2nd Charge		1.47	
	20:17	20:18:28	Carbon Boil		1.45	
63234898	20:21	20:22:04	Take Temperature		0.30	
	20:22	20:29:07	Tapping		6.20	
	20:29	20:33:26	1st Charge		4.32	
	20:48	20:50:24	2nd Charge		1.83	
63234899	20:54	21:11:01	Break Out		16.58	
	21:32	21:36:50	Redump Ladle		4.13	
	21:43	21:46:36	Redump Ladle		3.45	
	21:48	21:55:56	Tapping		6.97	
63234900	21:55	21:59:00	1st Charge		3.07	
	22:14	22:16:02	2nd Charge		1.88	
	22:43	22:54:51	Plate Change		11.40	
	23:02	23:10:21	Tapping		7.85	
63234901	23:10	23:13:41	1st Charge		3.33	
	23:18	23:19:05	Electrodes Moving Slow		0.10	
	23:28	23:30:50	2nd Charge		1.90	
	23:59	00:00:09	Carbon Boil		0.55	
63234902	0:02	00:03:43	Carbon Boil		1.32	
	0:06	00:14:40	Tapping		7.90	
	0:14	00:17:40	1st Charge		3.00	
	0:17	03:33:27	Change Mold	Billet Stuck in the mold	195.78	shell in strand 4 (12/14/2023 05:24 SMITH, ANTHONY)
63234903	3:49	03:51:09	2nd Charge		1.78	
	4:21	04:22:41	Carbon Boil		1.27	
	4:30	04:37:24	Tapping		6.98	
	4:37	04:40:29	1st Charge		3.08	
63234904	4:56	04:58:25	2nd Charge		1.87	
	5:25	05:30:11			4.92	
	5:38	05:48:19	Tapping		9.38	
	5:48	05:52:15	1st Charge		3.93	
63234905	6:08	06:10:04	2nd Charge		1.87	
	6:37	06:43:18	Swap to backup ladle		5.68	
	6:43	06:43:25	Swap to backup ladle		0.03	
	6:45	06:46:48	Carbon Boil		1.63	
63234906	6:52	06:59:58	Tapping		7.73	

Days 250.00
Nights 250.00

70%
70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/14/2023

heat	start time	end time	obser	reason	duration	note
63234903	6:59	07:07:03	1st Charge		7.08	
	7:21	07:23:00	2nd Charge		1.63	
	7:52	07:53:14	Carbon Boil		1.03	
	7:57	08:04:34	Sanding Machine		7.00	Down, had to throw bags to fill the nozzle. (12/14/2023 08:00 Tim Maclin)
	8:04	08:08:38	Tapping		4.07	
63234904	8:08	08:11:49	1st Charge		3.18	
	8:26	08:28:08	2nd Charge		1.63	
	8:55	08:55:57	Carbon Boil		0.67	
	9:01	09:08:02	Tapping		6.67	
63234905	9:08	09:11:28	1st Charge		3.43	
	9:25	09:27:20	2nd Charge		1.68	
	9:54	09:55:40	Carbon Boil		0.80	
	9:58	10:02:17	Breakdown		3.52	
	10:02	10:02:26	Skull arcing		0.03	
	10:04	10:10:57	Tapping		6.43	
63234906	10:10	10:13:57	1st Charge		3.00	
	10:13	10:14:45	Electrode Slip		0.80	
	10:14	10:15:39	Electrode Slip		0.90	
	10:15	10:16:38	Electrode Slip		0.98	
	10:19	10:23:51	Add Electrode		4.17	1749 to tank (12/14/2023 13:31 Tim Maclin)
	10:35	10:37:05	2nd Charge		1.63	
	11:06	11:08:03	Carbon Boil		1.53	
	11:08	11:13:29	Tapping		4.68	
63234907	11:13	11:16:31	1st Charge		3.03	
	11:30	11:31:42	2nd Charge		1.67	
	12:03	12:04:13	Carbon Boil		0.42	
	12:05	12:10:15	Tapping		4.73	
63234908	12:10	12:13:53	1st Charge		3.63	
	12:13	12:22:21	Gunned Furnace		8.47	
	12:36	12:37:38	2nd Charge		1.63	
	13:11	13:16:13	Blank		5.20	
	13:16	13:22:05	Tapping		5.87	
63234909	13:22	13:25:05	1st Charge		3.00	
	13:25	13:26:33			1.47	Put up runner fill. (12/14/2023 13:32 Tim Maclin)
	13:40	13:41:49	2nd Charge		1.62	
	14:11	14:18:12	Plate Change		6.75	
	14:23	14:25:47	Plate Change		2.50	
	14:25	14:32:00	Tapping		6.22	
63234910	14:32	14:35:00	1st Charge		3.00	
	14:35	14:36:00	Electrode Slip		1.00	
	14:39	14:43:18	Add Electrode		4.12	1750 to tank (12/14/2023 14:44 Tim Maclin)
	14:54	14:56:10	2nd Charge		1.55	
	15:25	15:26:25	Carbon Boil		0.80	
	15:29	15:36:51	Tapping		6.88	
63234911	15:36	15:39:57	1st Charge		3.10	
	15:55	15:57:05	2nd Charge		1.60	
	16:23	16:24:07	Carbon Boil		1.10	
	16:28	16:28:40	Skull arcing		0.22	
	16:30	16:30:28	Skull arcing		0.20	
	16:31	16:31:11	Skull arcing		0.17	
	16:31	16:36:26	Tapping		4.63	
63234912	16:36	16:40:11	1st Charge		3.75	
	16:55	16:57:06	2nd Charge		1.63	
	17:23	17:25:11	Carbon Boil		1.35	
	17:30	17:38:04	Tapping		7.93	
63234913	17:38	17:41:02	1st Charge		2.97	
	17:57	17:58:38	2nd Charge		1.63	
	18:31	18:36:34	Tapping		5.47	
63234914	18:36	18:39:37	1st Charge		3.05	
	18:40	18:47:09	Skull arcing		6.73	Skull between A and B phase. (12/14/2023 18:42 GRAY, CODY)
	19:01	19:03:32	2nd Charge		1.63	
	19:31	19:32:40	Carbon Boil		1.10	
	19:39	19:40:39	Raking tap hole		1.28	
	19:40	19:47:52	Tapping		7.22	
63234915	19:47	19:50:52	1st Charge		3.00	
	19:50	19:51:34	Electrode Slip		0.70	
	19:51	19:52:20	Electrode Slip		0.77	
	20:07	20:09:15	2nd Charge		1.57	
	20:37	20:39:01	Carbon Boil		1.17	
	20:43	20:48:40	Tapping		5.48	
63234916	20:48	20:52:11	1st Charge		3.52	
	21:07	21:09:35	2nd Charge		1.77	
	21:37	21:38:38	Carbon Boil		0.97	
	21:38	21:38:49	Electrodes Moving Slow		0.03	
	21:43	21:44:40	Lance Taphole		1.25	
	21:44	21:50:06	Tapping		5.43	
63234917	21:50	21:54:28	1st Charge		4.37	
	22:10	22:11:54	2nd Charge		1.62	
	22:39	22:40:05	Carbon Boil		0.93	
	22:46	22:46:37	Electrodes Moving Slow		0.40	
	22:47	22:53:01	Tapping		5.72	
63234918	22:53	22:56:01	1st Charge		3.00	
	22:56	23:10:13	Gunned Furnace		14.20	gunned under #2 and drain slope (12/14/2023 23:11 GRAY, CODY)
	23:25	23:27:05	2nd Charge		1.72	
	0:02	00:07:33	Tapping		4.88	
Days				250.00	70%	
Nights				250.00	70%	

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/15/2023

heat	start_time	end_time	obser	reason	duration	note
63234919	0:07	21:10:16	Downday		1262.72	Added 1751 to C phase before starting up. (12/15/2023 21:25 GRAY, CODY)
	21:30	21:32:39	2nd Charge		1.70	
	21:32	21:38:00	Cold Furnace Start Up		5.35	
	21:54	21:59:52	Cold Furnace Start Up		5.22	
	22:09	22:14:46	Cold Furnace Start Up		5.20	
	22:18	22:21:49	Cold Furnace Start Up		3.02	
	22:24	22:27:47	Cold Furnace Start Up		3.03	
	22:31	22:35:17	Cold Furnace Start Up		4.25	Had to redump ladle while waiting. (12/15/2023 22:36 GRAY, CODY)
	22:37	22:40:06	Redump Ladle		2.17	
	22:43	22:46:29	Lance Taphole		3.18	
	22:46	22:56:37	Tapping		10.13	6 inch sleeve. (12/15/2023 22:55 GRAY, CODY)
63234920	22:56	23:01:14	1st Charge		4.62	
	23:16	23:18:40	2nd Charge		1.68	
	23:49	00:52:32	Froze Off		62.70	Level came up on molds. Trainee for got to hit button while panicking. 100 tons left in ladle, DJJ loading 50,000 shred into spare bucket. (12/16/2023 00:46 GRAY, CODY)
	0:56	00:57:22	Carbon Boil		0.63	
	0:59	01:01:20	Froze Off		1.80	Level came up on molds. Trainee for got to hit button while panicking. (12/16/2023 01:00 GRAY, CODY)
	1:04	01:19:09	Lance Taphole		14.23	
63234921	1:19	01:31:09	Pourback	Caster Operational Failure	12.00	Level came up on molds. Trainee for got to hit button while panicking., gunned around door and under number 1. Partial pourback, 100 tons in ladle added 50,000 lbs of shred. (12/16/2023 01:34 GRAY, CODY)
	1:33	01:46:50	Pourback	Caster Operational Failure	13.55	
	1:56	02:22:19	Pourback	Caster Operational Failure	25.85	Level came up on molds. Trainee for got to hit button while panicking. Waiting on casters to get strands going before finishing pourback. Strand 1 and 3 blanked soon as opned. 2 strand caster. (12/16/2023 02:08 GRAY, CODY)
	2:25	02:33:06	Pourback	Caster Operational Failure	7.45	Level came up on molds. Trainee for got to hit button while panicking. 2 strand caster. (12/16/2023 02:38 GRAY, CODY)
	2:37	02:49:28	Lance Taphole		12.30	
63234922	2:49	02:52:41	1st Charge		3.22	
	3:01	03:01:27			0.00	
	3:09	03:10:36	2nd Charge		1.58	
	3:38	03:38:40	Carbon Boil		0.62	
	3:44	03:45:59	Pourback	Caster Operational Failure	1.48	Level came up on molds. Trainee for got to hit button while panicking. 3 strand caster til furnace gets ahead. (12/16/2023 03:51 GRAY, CODY)
	3:46	03:57:29	Tapping		10.58	
63234923	3:57	03:59:51	1st Charge		2.37	
	4:15	04:17:46	2nd Charge		1.83	
	4:17	04:29:26	Blank	Superheat	11.67	3 strands, 2849 temp in tundish. Waiting close to slag out before charging back. (12/16/2023 04:19 GRAY, CODY)
	4:55	04:56:17	Carbon Boil		0.80	
	4:56	04:56:30	Electrodes Moving Slow		0.02	
	5:01	05:05:29	Lance Taphole		4.45	
	5:05	05:15:43	Tapping		10.23	
63234924	5:15	05:18:43	1st Charge		3.00	
	5:18	05:19:31	Other		0.80	Looking at furnace good. (12/16/2023 05:22 GRAY, CODY)
	5:19	05:20:07	Electrode Slip		0.60	
	5:20	05:20:49	Electrode Slip		0.70	
	5:20	05:21:21	Electrode Slip		0.53	
	5:37	05:38:49	2nd Charge		1.75	
	6:08	06:09:42	Carbon Boil		1.58	
	6:13	06:23:53	Tapping		10.55	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/16/2023

heat	start time	end time	observer	reason	duration	note
63234925	6:23	06:26:52	1st Charge		2.98	
	6:40	06:40:19			0.00	
	6:43	06:45:13	Waiting For Crane		2.10	
	6:45	06:47:04	2nd Charge		1.85	
	7:15	07:16:13	Carbon Boil		1.12	
63234926	7:21	07:33:31	Tapping		11.92	
	7:53	07:56:54	1st Charge		3.38	
	7:53	07:56:10	2nd Charge		1.69	
	8:24	08:26:03	Carbon Boil		1.20	
	8:26	08:26:14	Carbon Boil		0.08	
63234927	8:28	08:39:32	Tapping		11.38	
	8:39	08:42:58	1st Charge		3.43	
	8:57	08:58:45	2nd Charge		1.52	
	9:28	09:30:17	Carbon Boil		1.73	
	9:32	09:42:56	Tapping		10.82	
63234928	9:42	09:45:56	1st Charge		3.00	
	9:45	09:46:46	Electrode Slip		0.83	
	9:49	09:53:11	Add Electrode		3.75	s1752 (12/16/2023 09:55 GRAY, CODY)
	10:05	10:07:11	2nd Charge		1.45	
	10:37	10:38:31	Carbon Boil		0.97	
63234929	10:40	10:41:27	Lance Carbon		0.98	
	10:41	10:42:27	Lance Taphole		1.00	
	10:42	10:50:42	Tapping		8.25	
	10:50	10:54:08	1st Charge		3.43	
	11:04	11:04:51			0.00	
63234930	11:09	11:10:34	2nd Charge		1.50	
	11:43	11:44:37	Take Temperature		0.63	
	11:45	11:53:35	Tapping		7.93	
	11:53	11:56:21	1st Charge		2.77	
	12:11	12:12:35	2nd Charge		1.46	
63234931	12:41	12:42:47	Carbon Boil		0.93	
	12:46	12:48:23	Lance Carbon		1.73	
	12:49	12:51:48	Lance Taphole		2.00	
	12:51	12:59:46	Tapping		7.97	
	12:59	13:03:12	1st Charge		3.43	
63234932	13:17	13:18:54	2nd Charge		1.52	
	13:45	13:51:08	Blank	Stream Quality	5.37	
	13:51	13:51:13			0.00	
	13:59	14:08:09	Tapping		8.78	
	14:08	14:11:17	1st Charge		3.13	
63234933	14:25	14:26:41	2nd Charge		1.63	
	15:00	15:12:20	Tapping		11.83	
	15:12	15:15:20	1st Charge		3.00	
	15:15	15:16:26	Electrode Slip		1.10	
	15:19	15:23:05	Add Electrode		3.82	1747 (12/16/2023 15:58 SMITH, ANTHONY)
63234934	15:34	15:35:38	2nd Charge		1.43	
	16:05	16:06:17	Carbon Boil		0.58	
	16:10	16:20:31	Tapping		9.73	
	16:20	16:23:31	1st Charge		3.00	
	16:23	16:30:36	Gunned Furnace		7.08	
63234935	16:45	16:46:47	2nd Charge		1.47	
	17:20	17:21:06	Take Temperature		0.43	
	17:21	17:33:07	Tapping		11.18	
	17:33	17:35:19	1st Charge		2.20	
	17:49	17:51:02	2nd Charge		1.50	
63234936	17:51	17:54:49	Other		3.78	putting out a fire under the east side of the furnace (12/16/2023 17:57 SMITH, ANTHONY)
	18:23	18:25:48	Cleaning Ladle Lip		2.77	
	18:30	18:31:37			0.92	
	18:32	18:42:05	Tapping		9.55	
	18:42	19:02:05	1st Charge		20.00	
63234937	19:02	19:42:36	Gunned Furnace		40.52	pourback, employee missed ladle with alloys (12/16/2023 19:10 SMITH, ANTHONY)
	19:42	19:56:15	Pourback	EAF Operational Failure	13.65	Previous shift let alloys go into pit. (12/16/2023 19:47 GRAY, CODY)
	20:00	20:05:39	Lance Carbon		5.28	
	20:05	20:11:47	Lab-Sample		6.13	
	20:17	20:18:58	Lance Taphole		1.60	
63234938	20:18	20:29:19	Tapping		10.35	
	20:29	20:32:11	1st Charge		2.87	
	20:46	20:48:24	2nd Charge		1.53	
	21:18	21:19:17	Carbon Boil		0.77	
	21:23	21:24:15	Raking tap hole		1.23	
63234939	21:24	21:25:13	Lance Taphole		0.97	
	21:26	21:37:07	Lance Taphole		10.18	Can't get lance to work (12/16/2023 21:30 GRAY, CODY)
	21:38	21:40:17	Lance Taphole		1.00	
	21:40	21:50:01	Tapping		9.73	
	21:50	21:53:19	1st Charge		3.30	
63234940	22:07	22:09:17	2nd Charge		1.62	
	22:43	22:44:29	Lance Taphole		1.15	
	22:44	22:52:48	Tapping		8.33	
	22:52	22:55:19	1st Charge		2.50	
	23:09	23:11:11	2nd Charge		1.65	
63234941	23:44	23:49:17	Blank	Strand Started Late	4.50	Letting furnace get ahead after pourback. Ladle came down late. (12/17/2023 00:57 GRAY, CODY)
	23:49	23:59:20	Tapping		10.05	
	23:59	00:02:31	1st Charge		3.18	
	0:17	00:18:44	2nd Charge		1.58	
	0:51	00:55:18	Blank	Strand Started Late	3.55	Letting furnace get ahead after pourback. Ladle came down late. (12/17/2023 00:55 GRAY, CODY)
63234942	0:55	01:03:07	Tapping		7.62	
	1:03	01:06:07	1st Charge		3.00	
	1:06	01:06:55	Electrode Slip		0.80	Back slip (12/17/2023 01:08 GRAY, CODY)
	1:06	01:07:50	Electrode Slip		0.92	
	1:10	01:14:17	Add Electrode		4.15	1748 (12/17/2023 01:11 GRAY, CODY)
63234943	1:26	01:28:14	2nd Charge		2.08	
	1:54	01:55:15	Carbon Boil		0.62	
	2:01	02:03:06	Lance Taphole		1.45	
	2:03	02:11:13	Tapping		8.12	
	2:11	02:13:28	1st Charge		2.25	
63234944	2:13	02:14:41	Fill Taphole Hopper		1.22	
	2:29	02:31:52	2nd Charge		2.15	
	3:02	03:07:52	Other		5.07	4 strand furnace ahead. (12/17/2023 03:07 GRAY, CODY)
	3:11	03:13:20	Other		2.27	4 strand furnace ahead (12/17/2023 03:13 GRAY, CODY)
	3:13	03:15:21	Lance Taphole		2.02	
63234945	3:15	03:23:00	Tapping		7.65	
	3:23	03:26:08	1st Charge		3.13	
	3:41	03:42:41	2nd Charge		1.58	
	4:14	04:22:08	Tapping		7.38	
	4:22	04:24:36	1st Charge		2.47	
63234946	4:38	04:40:15	2nd Charge		1.55	
	5:11	05:12:48	Take Temperature		1.53	
	5:14	05:16:08	Cleaning Ladle Lip		1.53	
	5:16	05:16:18	Electrodes Moving Slow		0.02	
	5:19	05:21:25	Lance Taphole		2.05	
63234947	5:21	05:29:31	Tapping		8.10	
	5:29	05:33:47	1st Charge		4.27	
	5:48	05:49:56	2nd Charge		1.62	
	6:23	06:31:39	Tapping		8.35	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/17/2023

heat	start time	end time	obser	reason	duration	note
63234946	6:31	06:34:39	1st Charge		3.00	
	6:34	06:45:55	Breakdown		11.27	north gun stopped up (12/17/2023 08:09 GRAY, CODY)
	7:00	07:02:28	2nd Charge		1.65	
	7:35	07:45:42	Tapping		9.80	
63234947	7:45	07:48:42	1st Charge		3.00	
	7:48	07:57:16	Gunned Furnace		8.57	gunning taphole (12/17/2023 07:50 GRAY, CODY)
	8:05	08:05:27	Electrodes Moving Slow		0.02	
	8:13	08:14:54	2nd Charge		1.72	
	8:49	08:50:38	Carbon Boil		0.77	
	8:53	08:53:26	Take Temperature		0.03	
	8:54	09:04:09	Tapping		9.97	
63234948	9:04	09:07:09	1st Charge		3.00	
	9:07	09:08:40	Electrode Slip		1.52	
	9:23	09:24:58	2nd Charge		1.73	
	9:34	09:34:24			0.00	
	10:03	10:12:30	Tapping		8.97	
63234949	10:12	10:17:38	1st Charge		5.13	
	10:32	10:33:57	2nd Charge		1.68	
	11:08	11:17:00	Tapping		8.33	
63234950	11:17	11:19:38	1st Charge		2.63	
	11:35	11:36:51	2nd Charge		1.60	
	12:12	12:20:50	Tapping		8.72	
63234951	12:20	12:26:01	1st Charge		5.18	
	12:40	12:42:20	2nd Charge		1.55	
	13:09	13:10:37	Carbon Boil		0.75	
	13:16	13:26:50	Tapping		10.37	
63234952	13:26	13:29:51	1st Charge		3.02	
	13:44	13:46:33	2nd Charge		1.62	
	14:14	14:15:31	Take Temperature		1.00	
	14:21	14:29:24	Tapping		8.03	
63234953	14:29	14:32:56	1st Charge		3.53	
	14:35	14:39:12	Add Electrode		3.37	s1728 (12/17/2023 14:39 GRAY, CODY)
	14:50	14:52:32	2nd Charge		1.62	
	15:04	15:04:20	Electrodes Moving Slow		0.02	
	15:24	15:25:15	Carbon Boil		1.08	
	15:28	15:38:04	Tapping		9.52	
63234954	15:38	15:40:49	1st Charge		2.75	
	15:55	15:57:26	2nd Charge		1.63	
	16:29	16:30:03	Carbon Boil		0.78	
	16:31	16:31:35	Take Temperature		0.33	
	16:32	16:42:07	Tapping		9.42	
63234955	16:42	16:45:07	1st Charge		3.00	
	16:45	16:59:03	Ran Slinger		13.93	
	17:14	17:16:07	2nd Charge		1.97	
	17:43	17:46:24	Other		2.95	changing stir mech (12/17/2023 17:48 SMITH, ANTHONY)
	17:50	17:51:28			1.02	
	17:53	18:03:33	Tapping		9.67	
63234956	18:03	18:06:57	1st Charge		3.40	
	18:22	18:23:34	2nd Charge		1.45	
	18:54	18:56:04	Carbon Boil		1.28	
	18:57	19:10:17	Tapping		12.37	
63234957	19:10	19:13:34	1st Charge		3.28	
	19:29	19:30:35	2nd Charge		1.55	
	20:03	20:14:10	Lance Taphole		11.03	
63234958	20:14	20:17:24	1st Charge		3.23	
	20:32	20:34:07	2nd Charge		1.50	
	21:06	21:14:35	Tapping		7.62	
63234959	21:14	21:17:08	1st Charge		2.55	
	21:31	21:33:21	2nd Charge		1.60	
	22:00	22:01:42	Carbon Boil		0.92	
	22:01	22:01:52	Electrodes Moving Slow		0.07	
	22:06	22:16:14	Tapping		10.23	
63234960	22:16	22:19:38	1st Charge		3.40	
	22:19	22:20:27	Electrode Slip		0.82	Backslip (12/17/2023 22:21 GRAY, CODY)
	22:21	22:26:34	Add Electrode		4.58	1727 (12/17/2023 22:23 GRAY, CODY)
	22:40	22:42:19	2nd Charge		1.88	
	23:08	23:08:55	Carbon Boil		0.82	
	23:09	23:09:05	Electrodes Moving Slow		0.07	
	23:15	23:16:28	Take Temperature		1.25	
	23:18	23:27:31	Lance Taphole		9.25	
63234961	23:27	23:31:40	1st Charge		4.15	
	23:33	23:38:01	Add Electrode		4.33	1722 (12/17/2023 23:38 GRAY, CODY)
	23:50	23:52:23	2nd Charge		1.58	
	0:19	00:20:25	Carbon Boil		1.10	
	0:25	00:26:46			1.22	
	0:27	00:35:43	Tapping		8.02	
63234962	0:35	00:38:43	1st Charge		3.00	
	0:38	00:45:37			6.90	Radiation alarm started going off while tapping. Maintenance checked it out, false alarm. (12/18/2023 00:46 GRAY, CODY)
	1:00	01:02:06	2nd Charge		1.57	
	1:32	01:33:05	Take Temperature		0.48	
	1:34	01:36:13	Lance Taphole		1.90	
	1:36	01:44:04	Tapping		7.85	
63234963	1:44	01:47:16	1st Charge		3.20	
	2:02	02:03:57	2nd Charge		1.65	
	2:32	02:33:37	Carbon Boil		0.97	
	2:33	02:33:54	Electrodes Moving Slow		0.03	
	2:37	02:37:51	Take Temperature		0.70	
	2:39	02:48:41	Tapping		9.63	
63234964	2:48	02:51:41	1st Charge		3.00	
	2:51	03:05:06	Gunned Furnace		13.42	Ran slinger and spot gun tap hole, under # 3, B wall, and under # 1 (12/18/2023 03:06 GRAY, CODY)
	3:19	03:21:24	2nd Charge		1.42	
	3:53	04:00:25	Tapping		7.28	
63234965	4:00	04:03:14	1st Charge		2.82	
	4:17	04:19:27	2nd Charge		1.58	
	4:47	04:48:34	Carbon Boil		1.13	
	4:48	04:51:56	Skull arcing		3.28	Skull arc, waiting on timer. (12/18/2023 04:51 GRAY, CODY)
	4:59	05:08:05	Tapping		8.92	
63234966	5:08	05:11:22	1st Charge		3.28	
	5:26	05:28:08	2nd Charge		1.68	
	5:58	06:00:12	Carbon Boil		1.48	
	6:04	06:14:05	Lance Taphole		9.82	
					Days	250.00
					Nights	250.00
						70%
						70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/18/2023

heat	start time	end time	obser	reason	duration	note
63234967	6:14	06:17:37	1st Charge		3.53	
	6:31	06:33:42	2nd Charge		1.82	
	7:02	07:04:04	Carbon Boil		1.13	
	7:07	07:09:35			1.72	
	7:10	07:18:56	Tapping		8.72	
63234968	7:18	07:21:36	1st Charge		2.67	
	7:35	07:36:53	2nd Charge		1.48	
	8:08	08:09:36	Carbon Boil		1.30	
	8:13	08:22:13	Tapping		9.20	
63234969	8:22	08:25:13	1st Charge		3.00	
	8:25	08:28:45	Breakdown		3.53	pig tail burnt (12/18/2023 08:56 GRAY, CODY)
	8:28	08:28:54	Electrodes Moving Slow		0.05	
	8:43	08:44:49	2nd Charge		1.50	
	8:44	08:47:30	Breakdown		2.68	
	9:16	09:18:13	Carbon Boil		1.35	
	9:23	09:33:21	Tapping		9.68	
63234970	9:33	09:36:26	1st Charge		3.08	
	9:46	09:46:38	Electrodes Moving Slow		0.05	
	9:51	09:54:43	2nd Charge		2.73	
	10:24	10:25:07	Carbon Boil		0.93	
	10:25	10:25:18	Electrodes Moving Slow		0.05	
	10:28	10:39:11	Tapping		10.33	
63234971	10:39	10:41:49	1st Charge		2.63	
	10:56	10:57:55	2nd Charge		1.57	
	11:25	11:33:58	Break Out	Bad Tube	8.90	
	11:39	11:41:00	Carbon Boil		1.13	
	11:43	11:44:11	Take Temperature		0.38	
	11:45	11:54:54	Tapping		9.67	
63234972	11:54	11:59:05	1st Charge		4.18	
	12:14	12:15:52	2nd Charge		1.53	
	12:39	12:55:46	Break Out	Bad Tube	16.30	
	13:05	13:06:34	Carbon Boil		0.75	
	13:08	13:17:40	Tapping		9.45	
63234973	13:17	13:20:40	1st Charge		3.00	
	13:20	15:29:00	Change Mold	Billet Stuck in the mold	128.33	shell stuck in the mold (12/18/2023 17:49 SMITH, ANTHONY)
	15:46	15:47:42	2nd Charge		1.50	
	15:47	15:53:16	Cold Furnace Start Up		5.57	
	16:04	16:04:29	Electrodes Moving Slow		0.02	
	16:13	16:18:59	Cold Furnace Start Up		5.03	
	16:19	16:19:09	Electrodes Moving Slow		0.05	
	16:25	16:31:24	Cold Furnace Start Up		5.58	
	16:39	16:40:06	Take Temperature		0.47	
	16:41	16:53:29	Tapping		12.25	
63234974	16:53	16:56:29	1st Charge		3.00	
	16:56	16:57:33	Electrode Slip		1.07	
	17:01	17:05:07	Add Electrode		4.02	s1721 (12/18/2023 17:09 SMITH, ANTHONY)
	17:17	17:19:08	2nd Charge		1.53	
	17:51	17:52:31	Carbon Boil		0.98	
	17:52	17:52:40	Carbon Boil		0.02	
	17:55	18:03:44	Tapping		8.15	
63234975	18:03	18:06:35	1st Charge		2.85	
	18:22	18:23:42	2nd Charge		1.55	
	18:51	18:52:20	Carbon Boil		0.93	
	18:58	19:05:06	Tapping		6.63	
63234976	19:05	19:08:06	1st Charge		3.00	
	19:08	19:14:18	Breakdown		6.20	Hose popped off of number one carbon. (12/19/2023 04:41 Tim MacIn)
	19:29	19:31:31	2nd Charge		1.83	
	19:59	20:00:51	Carbon Boil		1.27	
	20:06	20:13:36	Tapping		6.88	
63234977	20:13	20:16:36	1st Charge		3.00	
	20:16	20:23:36	Breakdown		7.00	Changing out banjo on number 1. (12/18/2023 22:20 Tim MacIn)
	20:38	20:41:13	2nd Charge		3.15	
	21:17	21:23:36	Tapping		6.45	
63234978	21:23	21:27:04	1st Charge		3.47	
	21:41	21:42:52	2nd Charge		1.73	
	22:18	22:19:05	Take Temperature		1.00	
	22:19	22:25:04	Tapping		5.98	
63234979	22:25	22:28:04	1st Charge		3.00	
	22:28	22:28:52	Electrode Slip		0.80	
	22:28	22:29:37	Electrode Slip		0.75	
	22:29	22:30:53			1.27	
	22:45	22:47:47	2nd Charge		2.23	
	23:15	23:16:47	Carbon Boil		0.80	
	23:23	23:29:56	Tapping		6.03	
63234980	23:29	23:33:52	1st Charge		3.93	
	23:37	23:41:34	Add Electrode		3.83	1730 to tank (12/19/2023 04:40 Tim MacIn)
	23:52	23:52:43	Skull arcing		0.65	
	23:54	23:56:20	2nd Charge		2.15	
	0:30	00:36:30	Tapping		6.33	
63234981	0:36	00:40:27	1st Charge		3.95	
	0:55	00:56:53	2nd Charge		1.78	
	1:32	01:38:21	Tapping		5.93	
	1:38	01:42:13	1st Charge		3.87	
63234982	1:56	01:58:49	2nd Charge		1.95	
	2:32	02:36:35	Tapping		5.77	
	2:38	02:41:41	1st Charge		3.10	
	2:41	02:43:06	Electrode Slip		1.42	
	2:57	02:59:40	2nd Charge		2.23	
	3:27	03:29:01	Carbon Boil		1.20	
	3:35	03:36:29	Take Temperature		1.00	
	3:36	03:42:44	Tapping		6.25	
63234984	3:42	03:45:39	1st Charge		2.92	
	4:00	04:01:43	2nd Charge		1.67	
	4:30	04:32:02	Carbon Boil		1.05	
	4:37	04:43:23	Tapping		6.35	
63234985	4:43	04:46:29	1st Charge		3.10	
	4:46	04:47:40	Electrode Slip		1.18	
	4:51	04:55:41	Add Electrode		4.60	1729 to tank. (12/19/2023 06:48 Tim MacIn)
	5:06	05:08:05	2nd Charge		1.72	
	5:36	05:37:01	Carbon Boil		0.97	
	5:43	05:49:43	Tapping		6.25	
63234986	5:49	05:53:03	1st Charge		3.33	
	6:07	06:09:41	2nd Charge		2.50	
	6:16	06:18:22	Mag Bezel Ring		2.15	
	6:47	06:53:06	Tapping		5.83	
					Days	250.00
					Nights	250.00
						70%
						70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/19/2023

heat	start time	end time	obsr	reason	duration	note
63234987	6:53	06:56:46	1st Charge		3.67	
	7:11	07:12:48	2nd Charge		1.63	
	7:39	07:45:43	Plate Change		6.20	
	7:48	07:50:11	Carbon Boil		1.50	
	7:50	07:51:36	Plate Change		1.42	
63234988	7:56	08:05:41	Tapping		9.00	
	8:05	08:08:41	1st Charge		3.00	
	8:08	08:13:53	Plugged		5.20	
	8:29	08:30:34	2nd Charge		1.40	
	9:01	09:02:42	Carbon Boil		0.97	
63234989	9:07	09:14:05	Tapping		6.98	
	9:14	09:17:05	1st Charge		3.00	
	9:17	09:37:05	Gunned Furnace		20.00	
	9:37	09:58:06	Breakdown		21.02	reseat roof, couldn't get down light (12/19/2023 10:01 Tim MacIn)
	10:13	10:15:09	2nd Charge		1.47	
63234990	10:46	10:48:12	Carbon Boil		1.27	
	10:51	11:01:25	Tapping		9.57	
	11:01	11:04:25	1st Charge		3.00	
	11:04	11:05:15	Electrode Slip		0.83	
	11:20	11:21:49	2nd Charge		1.43	
63234991	11:50	11:50:50	Carbon Boil		0.70	
	11:50	11:51:00	Electrodes Moving Slow		0.03	
	11:56	11:57:43	Lance Taphole		1.30	
	11:57	12:06:08	Tapping		8.42	
	12:06	12:09:08	1st Charge		3.00	
63234992	12:09	12:09:50	Push Door		0.70	
	12:25	12:26:47	2nd Charge		1.47	
	12:59	13:01:40	Gunned Runner		2.20	
	13:03	13:10:52	Tapping		7.32	
	13:10	13:13:52	1st Charge		3.00	
63234993	13:13	13:34:48	Plugged		20.93	
	13:50	13:51:59	2nd Charge		1.42	
	14:22	14:24:11	Carbon Boil		1.27	
	14:24	14:24:18			0.02	
	14:29	14:36:23	Tapping		7.12	
63234994	14:36	14:39:31	1st Charge		3.13	
	14:49	14:49:20	Electrodes Moving Slow		0.03	
	14:54	14:56:24	2nd Charge		1.42	
	15:25	15:27:01	Carbon Boil		1.52	
	15:33	15:40:52	Tapping		7.13	
63234995	15:40	15:43:52	1st Charge		3.00	
	15:43	15:45:30	Pack Tap Hole		1.63	lance end of runner (12/19/2023 15:47 Tim MacIn)
	16:00	16:02:01	2nd Charge		1.42	
	16:31	16:33:06	Carbon Boil		1.35	
	16:33	16:33:17	Electrodes Moving Slow		0.05	
63234996	16:37	16:44:36	Tapping		7.32	
	16:44	16:47:36	1st Charge		3.00	
	16:47	16:48:21	Breakdown		0.75	hose blew off (12/19/2023 16:55 Tim MacIn)
	16:48	16:49:06	Electrode Slip		0.75	
	16:49	16:49:51	Electrode Slip		0.75	
63234997	17:05	17:06:39	2nd Charge		1.57	
	17:36	17:37:27	Carbon Boil		1.28	
	17:42	17:48:27	Tapping		6.33	
	17:48	17:51:32	1st Charge		3.08	
	18:07	18:08:31	2nd Charge		1.50	
63234998	18:41	18:42:34	Lance Taphole		1.27	
	18:42	18:48:23	Tapping		5.82	
	18:48	18:51:23	1st Charge		3.00	
	18:51	18:52:05	Electrode Slip		0.70	
	18:52	18:52:51	Electrode Slip		0.77	
63234999	19:07	19:09:01	2nd Charge		1.68	
	19:41	19:47:10	Tapping		6.02	
	19:47	19:50:51	1st Charge		3.68	
	20:05	20:07:12	2nd Charge		1.72	
	20:35	20:35:44	Carbon Boil		0.48	
63235000	20:41	20:47:06	Tapping		5.63	
	20:47	20:50:06	1st Charge		3.00	
	20:50	20:51:08	Electrode Slip		1.03	
	20:54	20:58:04	Add Electrode		4.05	1738 to tank (12/19/2023 21:17 Tim MacIn)
	21:09	21:11:44	2nd Charge		1.83	
63235001	21:38	21:39:13	Carbon Boil		0.52	
	21:46	21:47:29	Take Temperature		1.20	
	21:47	21:54:28	Tapping		6.98	
	21:54	21:58:03	1st Charge		3.58	
	22:12	22:13:58	2nd Charge		1.68	
63235002	22:42	22:43:13			0.57	
	22:50	22:56:41	Tapping		6.57	
	22:56	23:00:35	1st Charge		3.90	
	23:03	23:07:41	Add Electrode		3.88	1737 to tank (12/19/2023 23:05 Tim MacIn)
	23:18	23:22:25	2nd Charge		3.65	
63235003	23:50	23:51:41			0.95	
	23:57	00:04:49	Tapping		6.85	
	0:04	00:07:58	1st Charge		3.15	
	0:22	00:24:07	2nd Charge		1.67	
	0:55	00:56:13	Carbon Boil		0.78	
63235004	1:00	01:06:40	Tapping		6.47	
	1:06	01:10:41	1st Charge		4.02	
	1:25	01:27:20	2nd Charge		1.67	
	1:58	02:02:17			3.43	
	2:04	02:10:38	Tapping		6.07	
63235005	2:10	02:13:49	1st Charge		3.18	
	2:28	02:30:00	2nd Charge		1.80	
	2:37	02:37:51			0.02	
	3:00	03:04:53			4.15	
	3:04	03:05:04			0.08	
63235006	3:09	03:16:50	Tapping		7.00	
	3:16	03:19:50	1st Charge		3.00	
	3:19	03:34:59	Gunned Furnace		15.15	
	3:49	03:51:30	2nd Charge		1.70	
	4:22	04:23:44			1.07	
63235007	4:28	04:35:31	Tapping		6.83	
	4:35	04:39:53	1st Charge		4.37	
	4:54	04:56:06	2nd Charge		1.78	
	5:26	05:28:04			1.20	
	5:31	05:38:29	Tapping		6.77	
63235008	5:38	05:42:41	1st Charge		4.20	
	5:56	05:58:35	2nd Charge		1.70	
	6:32	06:32:54			0.55	
	6:33	06:39:30	Tapping		5.97	

Days
Nights250.00
250.0070%
70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 1

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/20/2023

heat	start time	end time	obser	reason	duration	note
63235008	6:39	06:42:39	1st Charge		3.15	
	6:58	06:59:32	2nd Charge		1.53	
	7:31	07:32:44	Carbon Boil		1.33	
	7:34	07:42:05	Tapping		7.72	
63235009	7:42	07:46:21	1st Charge		4.27	
	8:00	08:02:28	2nd Charge		1.52	
	8:11	08:11:40			0.00	
	8:34	08:35:19	Carbon Boil		1.28	
	8:38	08:45:39	Tapping		6.90	
63235010	8:45	08:48:39	1st Charge		3.00	
	8:48	08:49:42	Electrode Slip		1.05	backslip (12/20/2023 08:50 Tim Maclin)
	8:52	08:55:56	Add Electrode		3.57	1735 (12/20/2023 08:58 Tim Maclin)
	9:08	09:09:51	2nd Charge		1.65	
	9:39	09:40:12	Carbon Boil		1.12	
	9:40	09:40:34	Take Temperature		0.18	
	9:45	09:52:24	Tapping		7.03	
63235011	9:52	09:55:47	1st Charge		3.38	
	10:10	10:12:29	2nd Charge		1.58	
	10:44	10:54:16	Lance Carbon		9.57	
	10:54	11:00:40	Tapping		6.40	
63235012	11:00	11:03:46	1st Charge		3.10	
	11:19	11:20:40	2nd Charge		1.45	
	11:52	11:54:27	Carbon Boil		1.70	
	11:57	11:59:06	Lance Carbon		1.95	
	11:59	12:05:26	Tapping		6.33	
63235013	12:05	12:08:26	1st Charge		3.00	
	12:08	12:09:02	Electrode Slip		0.60	
	12:24	12:26:24	2nd Charge		1.42	
	12:58	12:59:46	Carbon Boil		1.53	
	13:02	13:03:41	Lance Taphole		1.57	
	13:03	13:10:02	Tapping		6.35	
63235014	13:10	13:13:02	1st Charge		3.00	
	13:13	13:27:24	Ran Slinger		14.37	gunned furnace (12/20/2023 13:28 Tim Maclin)
	13:35	13:35:51			0.00	
	13:42	13:43:47	2nd Charge		1.48	
	14:14	14:15:58	Carbon Boil		1.43	
	14:19	14:19:44	Take Temperature		0.42	
	14:20	14:27:09	Tapping		6.33	
63235015	14:27	14:30:29	1st Charge		3.33	
	14:46	14:47:55	2nd Charge		1.58	
	15:19	15:20:33	Carbon Boil		0.97	
	15:23	15:29:50	Tapping		6.80	
63235016	15:29	15:33:45	1st Charge		3.92	
	15:48	15:49:44	2nd Charge		1.60	
	16:18	16:19:56	Carbon Boil		1.47	
	16:24	16:31:00	Tapping		6.43	
63235017	16:31	16:35:46	1st Charge		4.77	
	16:49	16:51:29	2nd Charge		1.60	
	17:21	17:22:22			1.20	
	17:25	17:33:09	Tapping		7.28	
63235018	17:33	17:36:09	1st Charge		3.00	
	17:36	17:39:26	Other		3.28	tap hole looked funny had to look at it (12/20/2023 17:51 DELOACH, DANIEL)
	17:54	17:56:02	2nd Charge		1.60	
	18:29	18:30:17			1.27	
	18:32	18:39:59	Tapping		7.27	
63235019	18:39	18:43:50	1st Charge		3.85	
	18:51	18:51:13			0.02	
	18:58	18:59:51	2nd Charge		1.70	
	19:28	19:29:34			1.12	
	19:35	19:41:33	Tapping		6.37	
63235020	19:41	19:44:57	1st Charge		3.40	
	19:44	19:46:30	Electrode Slip		1.55	
	19:49	19:52:38	Add Electrode		3.57	1736 to tank (12/20/2023 19:54 Tim Maclin)
	20:04	20:06:22	2nd Charge		1.57	
	20:33	20:34:30			0.75	
	20:41	20:48:04	Tapping		6.75	
63235021	20:48	21:05:09	1st Charge		17.08	
	21:19	21:20:45	2nd Charge		1.53	
	21:52	21:53:19	Carbon Boil		0.92	
	21:57	21:59:08	Lance Taphole		1.40	
	22:01	22:06:41	Lance Taphole		5.45	
	22:06	22:14:22	Tapping		7.68	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/21/2023

heat	start_time	end_time	obser	reason	duration	note
63235022	22:14	09:51:51	1st Charge		697.48	1731 added to A phase, added hot. (12/21/2023 02:27 Tim Maclin)
	10:09	10:15:42	2nd Charge		5.83	
	10:50	10:51:20	Take Temperature		0.65	
	10:55	10:55:22	Take Temperature		0.18	
	10:56	10:56:44	Take Temperature		0.23	
63235023	10:58	11:08:25	Tapping		10.38	Low Temperature
	11:08	11:39:44	Pourback		31.32	
	11:44	11:50:47	Lance Carbon		6.00	
	11:50	11:56:34	Taking Sample TMSD		5.78	
	12:01	12:08:50	Tapping		7.65	
63235024	12:08	12:11:47	1st Charge		2.95	
	12:27	12:28:46	2nd Charge		1.57	
	12:59	13:06:05	Other		6.62	
	13:09	13:10:12	Carbon Boil		1.15	waiting for strands to disconnect (12/21/2023 13:02 Tim Maclin)
	13:14	13:15:30	Lance Taphole		0.68	
	13:15	13:22:32	Tapping		7.03	
	13:22	13:25:44	1st Charge		3.20	
63235025	13:40	13:42:31	2nd Charge		1.55	Speed
	14:06	14:37:07	Break Out		30.75	
	14:44	14:45:38	Carbon Boil		1.53	
	14:51	14:54:51	Lance Taphole		3.33	
	14:54	15:01:37	Tapping		6.77	
63235026	15:01	15:04:37	1st Charge		3.00	
	15:04	15:05:36	Pack Tap Hole		0.98	
	15:20	15:22:19	2nd Charge		1.58	
	15:46	15:59:41	Break Out	Speed	13.22	
	16:06	16:07:56	Carbon Boil		1.40	
63235027	16:13	16:20:24	Tapping		7.27	
	16:20	16:23:24	1st Charge		3.00	
	16:23	16:24:09	Other		0.75	
	16:24	16:24:39	Electrode Slip		0.50	
	16:39	16:41:15	2nd Charge		1.55	
63235028	17:13	17:14:34	Carbon Boil		1.12	look at furnace (12/21/2023 16:25 DELOACH, DANIEL)
	17:16	17:26:08	Tapping		9.20	
	17:26	17:29:08	1st Charge		3.00	
	17:29	17:30:11			1.05	
	17:45	17:47:04	2nd Charge		1.53	
63235029	18:16	18:18:38	Carbon Boil		1.77	lanced end of runner (12/21/2023 17:41 DELOACH, DANIEL)
	18:22	18:25:43	Lance Taphole		2.88	
	18:25	18:32:25	Tapping		6.70	
	18:32	18:35:32	1st Charge		3.12	
	18:51	18:53:10	2nd Charge		1.63	
63235030	19:16	19:27:29	Other		10.98	
	19:37	19:40:13	Carbon Boil		3.05	
	19:41	19:42:09	Lance Carbon		0.75	
	19:43	19:50:50	Tapping		7.50	
	19:50	19:54:29	1st Charge		3.65	
63235031	20:10	20:12:39	2nd Charge		2.23	
	20:42	20:43:47			1.13	
	20:49	20:57:34	Tapping		8.10	
	20:57	21:02:16	1st Charge		4.70	
	21:17	21:19:38	2nd Charge		2.28	
63235032	21:49	21:50:53	Carbon Boil		1.80	
	21:55	22:03:05	Tapping		7.90	
	22:03	22:06:27	1st Charge		3.37	
	22:22	22:24:23	2nd Charge		2.25	
	22:52	22:54:14	Carbon Boil		1.43	
63235033	23:00	23:08:20	Tapping		7.78	
	23:08	23:14:07	1st Charge		5.78	
	23:29	23:31:19	2nd Charge		1.72	
	00:00	00:01:33	Carbon Boil		1.47	
	00:04	00:05:14			1.18	
63235034	00:06	00:14:54	Tapping		7.98	
	00:14	00:16:24	1st Charge		1.50	
	00:16	00:26:41	Plugged		10.28	
	00:42	00:44:18	2nd Charge		1.93	
	1:12	01:14:37	Carbon Boil		1.68	
63235035	1:20	01:27:02	Tapping		6.75	
	1:27	01:30:44	1st Charge		3.70	
	1:46	01:48:22	2nd Charge		2.18	
	2:17	02:18:53	Carbon Boil		1.53	
	2:24	02:31:44	Tapping		7.43	
63235036	2:31	02:36:30	1st Charge		4.77	1736b...s1732 (12/22/2023 03:28 DELOACH, DANIEL)
	2:39	02:43:32	Add Electrode		4.30	
	2:56	02:57:41	2nd Charge		1.68	
	3:27	03:29:20	Carbon Boil		1.58	
	3:34	03:42:22	Tapping		7.63	
63235037	3:42	03:47:39	1st Charge		5.28	
	4:03	04:05:17	2nd Charge		2.23	
	4:34	04:36:21	Carbon Boil		1.67	
	4:41	04:48:21	Tapping		6.95	
	4:48	04:49:51	1st Charge		1.50	
63235038	4:49	05:02:59	Ran Slinger		13.13	gunned around taphole and slung the furnace (12/22/2023 05:12 DELOACH, DANIEL)
	5:17	05:19:43	2nd Charge		1.73	
	5:49	05:51:08	Carbon Boil		1.73	
	5:56	05:57:03			1.05	
	5:58	06:04:20	Tapping		6.13	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/22/2023

heat	start_time	end_time	obser	reason	duration	note
63235039	6:04	06:06:59	1st Charge		2.65	
	6:21	06:23:43	2nd Charge		1.73	
	6:48	06:51:25	Other		2.85	Swapping crane operators. (12/22/2023 08:26 GRAY, CODY)
	6:56	06:58:34	Carbon Boil		1.72	
	7:03	07:11:29	Tapping		7.78	
63235040	7:11	07:15:12	1st Charge		3.72	
	7:30	07:31:53	2nd Charge		1.60	
	8:03	08:13:14	Lance Carbon		9.62	
63235041	8:13	08:16:14	1st Charge		3.00	
	8:16	08:17:02	Electrode Slip		0.80	
	8:17	08:18:05	Electrode Slip		1.05	Back slip. (12/22/2023 08:18 GRAY, CODY)
	8:19	08:24:53	Add Electrode		5.10	1734 (12/22/2023 08:26 GRAY, CODY)
	8:38	08:39:56	2nd Charge		1.53	
	9:08	09:09:57	Carbon Boil		1.30	
	9:13	09:14:24	Lance Taphole		0.83	
	9:14	09:21:04	Tapping		6.67	
63235042	9:21	09:24:11	1st Charge		3.12	
	9:39	09:41:24	2nd Charge		1.63	
	10:05	10:07:10	Carbon Boil		1.20	
	10:14	10:15:46	Lance Taphole		0.83	
	10:15	10:23:27	Tapping		7.68	
63235043	10:23	10:30:27	Gunned Furnace		7.00	Gun messed up, charging back and swapping guns and loading slinger for next heat. (12/22/2023 11:56 GRAY, CODY)
	10:30	10:34:20	Drop Start Bucket		3.88	
	10:40	10:42:27	Mag Bezel Ring	Dropped Charge Off Center	2.32	Trolley brakes need tightening up. (12/22/2023 10:41 GRAY, CODY)
	10:52	10:53:54	Breakdown		1.00	Brakes being adjusted (12/22/2023 11:05 GRAY, CODY)
	10:53	10:55:41	2nd Charge		1.78	
	11:22	11:24:01	Carbon Boil		1.05	
	11:28	11:35:01	Tapping		6.18	
63235044	11:35	12:00:04	Gunned Furnace		25.05	Gunned taphole and under #3, ran slinger. (12/22/2023 11:57 GRAY, CODY)
	12:15	12:17:28	2nd Charge		1.93	
	12:45	12:46:54	Carbon Boil		1.37	
	12:52	12:52:15	Tapping		0.13	
	12:53	13:00:12	Tapping		7.12	
63235045	13:00	13:04:08	1st Charge		3.93	
	13:19	13:21:36	2nd Charge		2.03	
	13:49	13:50:24	Carbon Boil		1.08	
	13:52	13:54:10	Take Temperature		1.43	
	13:55	13:57:56	Lance Taphole		2.75	
	13:57	14:05:05	Tapping		7.15	
63235046	14:05	14:07:05	1st Charge		2.00	
	14:07	14:16:35	Gunned Furnace		9.50	Number 1 brick started showing brick 2 heats after slinging. (12/22/2023 14:22 GRAY, CODY)
	14:16	14:17:59	Drop Start Bucket		1.40	
	14:17	14:18:47	Electrode Slip		0.80	Back slip. (12/22/2023 14:23 GRAY, CODY)
	14:20	14:24:09	Add Electrode		4.15	1733 (12/22/2023 14:24 GRAY, CODY)
	14:37	14:39:22	2nd Charge		1.65	
	15:11	15:19:05	Tapping		7.20	
63235047	15:19	15:22:05	1st Charge		3.00	
	15:22	15:26:56	Other		4.85	Fires on shunk cables, heel in furnace. (12/22/2023 15:28 GRAY, CODY)
	15:41	15:43:41	2nd Charge		1.88	
	16:14	16:15:29	Carbon Boil		0.95	
	16:18	16:19:57	Lance Taphole		0.98	
	16:19	16:26:53	Tapping		6.93	
63235048	16:26	16:29:03	1st Charge		2.17	
	16:29	16:36:21	Plugged		7.30	
	16:36	16:39:15			2.90	Forcing roof down light. (12/22/2023 16:41 GRAY, CODY)
	16:39	16:40:32	Drop Start Bucket		1.28	
	16:55	16:57:21	2nd Charge		1.98	
	17:29	17:30:19	Carbon Boil		1.20	
	17:31	17:33:22	Take Temperature		2.03	No green light on catfish. (12/22/2023 17:34 GRAY, CODY)
	17:34	17:43:03	Tapping		8.17	
63235049	17:43	17:46:19	1st Charge		3.27	
	18:01	18:03:03	2nd Charge		1.87	
	18:10	18:10:06	Electrodes Moving Slow		0.05	
	18:32	18:33:44	Carbon Boil		1.15	
	18:37	18:40:26	Sanding Machine		3.08	
	18:40	18:47:13	Tapping		6.78	
63235050	18:47	18:52:05	1st Charge		4.97	
	19:07	19:09:28	2nd Charge		1.68	
	19:38	19:39:32	Carbon Boil		1.45	
	19:44	19:44:20	Other		0.02	
	19:44	19:52:43	Tapping		8.28	
63235051	19:52	19:56:03	1st Charge		3.33	
	20:10	20:12:57	2nd Charge		2.10	
	20:45	20:47:20	Carbon Boil		2.33	
	20:49	20:49:42	Take Temperature		0.15	
	20:50	20:50:35	Take Temperature		0.12	
	20:51	20:58:42	Tapping		7.60	
63235052	20:58	21:00:12	1st Charge		1.50	
	21:00	21:02:12	Fill Taphole Hopper		2.00	
	21:02	21:05:42	Skull arcing		3.50	skull fell on hose spraying water (12/22/2023 21:29 GRAY, CODY) (12/22/2023 21:29 GRAY, CODY)
	21:05	21:51:32	Water Hoses		45.83	skull fell on hose (12/22/2023 21:29 GRAY, CODY)
	22:07	22:09:07	2nd Charge		2.12	
	22:41	22:43:21	Carbon Boil		2.03	
	22:46	22:54:02	Tapping		7.95	
63235053	22:54	22:59:11	1st Charge		5.15	
	23:14	23:15:46	2nd Charge		1.50	
	23:15	23:28:40	1st Charge		12.90	
	23:51	00:20:12	Pourback	Chemistry	28.55	carbon came in to high turning around gone go head and change over (12/22/2023 23:53 GRAY, CODY)
	0:34	00:42:25	Tapping		7.55	
63235054	0:42	01:08:57	1st Charge		26.53	
	1:14	01:37:54	Lance Carbon		23.57	
	1:40	01:44:32	Take Temperature		3.97	
	1:45	01:53:18	Tapping		7.70	
63235055	1:53	01:56:32	Drop Start Bucket		3.23	
	2:11	02:14:02	2nd Charge		2.32	
	2:36	02:47:37	Other		10.85	caster waiting to crank up 4 was to hot to go to 4 strands (12/23/2023 02:37 GRAY, CODY)
	2:57	03:04:31	Tapping		6.65	
63235056	3:04	03:08:16	1st Charge		3.78	
	3:23	03:25:28	2nd Charge		2.13	
	3:47	03:55:50	Swap to backup ladle		8.25	
	4:06	04:08:46	Carbon Boil		2.38	
	4:12	04:20:04	Tapping		7.35	
63235057	4:20	04:23:27	1st Charge		3.38	
	4:39	04:41:26	2nd Charge		2.20	
	5:13	05:23:51	Carbon Boil		10.27	
63235058	5:23	05:29:46	1st Charge		5.95	
	5:44	05:46:44	2nd Charge		2.10	
	6:14	06:15:31	Carbon Boil		1.35	
	6:21	06:29:01	Carbon Boil		7.75	
				Days	250.00	70%
				Nights	250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Daily Log Monitoring Operations for Compliance purposes for Source 02

Date 12/23/2023

heat	start time	end time	obser	reason	duration	note
63235059	6:29	06:31:23	1st Charge		2.37	
	6:46	06:48:38	2nd Charge		1.75	
	7:20	07:20:48	Take Temperature		0.80	
	7:23	07:23:38	Carbon Boil		1.63	
	7:23	07:28:03	Lance Carbon		4.42	
	7:28	07:34:41	Tapping		6.63	
63235060	7:34	07:38:09	1st Charge		3.47	
	7:53	07:55:13	2nd Charge		1.67	
	8:26	08:38:20	Other		11.93	Skull in ladle, had to lance nozzle out. (12/23/2023 08:34 GRAY, CODY)
	8:41	08:49:57	Lance Taphole		8.40	
63235061	8:49	09:55:00	Gunned Furnace		65.05	Gun furnace and ran slinger. Floor guys said slinger wasn't working. Gunned under number 2 with south gun. Gunned under number 3 with south gun and it ran empty, would not fill up. Swapped to north gun and hardly any material would come out. I swapped peice on slinger hose and slinger was fine. Filled up slinger while working on north gun and got it working, then slung and finised gunning tap hole and B wall. Brick 4-7 row of brick was showing under mnumber 1 and 3. Bricks below slag line was showing on B wall. 2 sections of sleeve was showing. Did not want to charge back until furnace was taken care of incase of burn through. (12/23/2023 09:58 GRAY, CODY)
	10:10	10:12:38	2nd Charge		1.65	
	10:46	10:48:11	Raking tap hole		1.85	
	10:48	10:54:47	Tapping		6.60	
63235062	10:54	10:57:47	1st Charge		3.00	
	10:57	10:58:35	Electrode Slip		0.80	Back slip. (12/23/2023 11:07 GRAY, CODY)
	10:58	10:59:17	Electrode Slip		0.70	
	10:59	11:00:16	Mag Bezel Ring	Other	0.98	Roof would not sit all the way down. Forced light and started up til lowder was ready to knock scrape off. (12/23/2023 11:08 GRAY, CODY)
	11:03	11:06:03	Mag Bezel Ring	Excessive Build-Up	2.55	
	11:09	11:16:27	Add Electrode		6.70	Added with charge crane, furnace behind caster after gunning and slingling previous heat. Took ladle up first to make sequence. Electrode number is 1723. (12/23/2023 11:18 GRAY, CODY)
	11:24	11:26:42	2nd Charge		1.75	
	11:53	11:54:53	Carbon Boil		1.20	
	11:58	11:59:09	Take Temperature		0.17	
	12:00	12:00:58	Take Temperature		0.62	
	12:02	12:09:50	Tapping		7.53	
63235063	12:09	12:12:50	1st Charge		3.00	
	12:12	12:13:56	Electrode Slip		1.10	
	12:28	12:30:25	2nd Charge		2.00	
	12:57	12:58:56	Carbon Boil		1.28	
	13:02	13:04:19	Door Sticking		1.87	
	13:06	13:06:53	Take Temperature		0.27	
	13:07	13:10:22	Raking tap hole		2.55	
	13:10	13:10:56	Lance Taphole		0.57	
	13:10	13:17:43	Tapping		6.78	
63235064	13:17	13:21:39	1st Charge		3.93	
	13:37	13:38:59	2nd Charge		1.78	
	14:06	14:07:51	Carbon Boil		1.17	
	14:10	14:11:50	Take Temperature		0.95	
	14:13	14:13:39	Take Temperature		0.17	
	14:14	14:14:37	Take Temperature		0.07	
	14:15	14:21:52	Tapping		6.40	
63235065	14:21	14:52:17	Water Hoses		30.42	
	15:07	15:09:26	2nd Charge		2.00	
	15:42	15:43:53	Lance Taphole		1.52	
	15:43	15:48:53	Tapping		5.00	
63235066	15:48	15:52:29	1st Charge		3.60	
	15:52	15:53:23	Electrode Slip		0.90	Back slip (12/23/2023 15:55 GRAY, CODY)
	15:53	15:53:41			0.30	Force roof down light. (12/23/2023 15:56 GRAY, CODY)
	15:58	16:06:01	Add Electrode		7.90	1724 (12/23/2023 16:02 GRAY, CODY)
	16:16	16:18:16	2nd Charge		1.82	
	16:53	16:55:34	Recarb		2.48	
	16:55	17:01:07	Tapping		5.55	
63235067	17:01	17:05:30	1st Charge		4.38	
	17:19	17:21:31	2nd Charge		1.73	
	17:55	18:02:01	Tapping		6.82	
63235068	18:02	18:05:01	1st Charge		3.00	
	18:05	18:16:50	Gunned Furnace		11.82	Gun taphole and under #3 (12/23/2023 18:18 GRAY, CODY)
	18:30	18:32:27	2nd Charge		1.73	
	19:10	19:16:20	Tapping		5.58	
63235069	19:16	19:21:19	1st Charge		4.98	
	19:23	19:28:07	Add Electrode		4.20	1126s (12/23/2023 19:25 GRAY, CODY)
	19:40	19:42:07	2nd Charge		1.67	
	20:18	20:24:31	Tapping		5.75	
63235070	20:24	20:29:09	1st Charge		4.63	
	20:43	20:45:08	2nd Charge		1.73	
	21:15	21:19:44			3.87	
	21:23	21:33:53	Tapping		10.28	
63235071	21:33	21:37:22	1st Charge		3.48	
	21:52	21:53:50	2nd Charge		1.63	
	22:16	22:23:30	Breakdown		6.90	number 4 run out roll (12/23/2023 22:17 GRAY, CODY)
	22:34	22:42:46	Carbon Boil		8.32	
63235072	22:42	22:46:32	1st Charge		3.77	
	23:01	23:03:26	2nd Charge		1.82	
	23:30	23:31:22	Carbon Boil		0.90	
	23:37	23:38:17			0.40	
	23:38	23:38:22			0.00	
	23:38	23:45:47	Tapping		7.12	
63235073	23:45	23:49:23	1st Charge		3.60	
	0:04	00:06:29	2nd Charge		1.77	
	0:28	00:39:31			11.05	
	0:49	00:59:52	Tapping		10.30	
63235074	0:59	01:03:31	1st Charge		3.65	
	1:18	01:20:00	2nd Charge		1.77	
	1:52	01:59:08	Tapping		6.48	
63235075	1:59	02:03:37	1st Charge		4.48	
	2:18	02:20:22	2nd Charge		1.78	
	2:43	02:45:44			2.60	
	2:53	02:59:21	Tapping		5.62	
Days					250.00	70%
Nights					250.00	70%

*Check and record the control system fan motor amperes and record damper positions once per shift

Log 2
Monthly Operational Status Inspection Log for Source 02

Month	Year	Observations and Deficiencies			Maintenance Performed **	Date Maintenance Performed	Name of Person Performing Maintenance
		Visual Inspection of ductwork and mechanical parts *	Dampers	Damper Switches			
July	2023	Canopy & 4th hole ductwork okay and expansion joints okay, Fans okay	okay	okay	Welded small patches on the dry duct and welded up a leak in the vertical duct	7/20/23 and 7/27/23	Gerdau Melt Shop Maintenance
August	2023	Canopy & 4th hole ductwork okay and expansion joints okay, Fans okay	okay	okay	None	None	NA
September	2023	Canopy & 4th hole ductwork okay and expansion joints okay, Fans okay	okay	okay	None	None	NA
October	2023	Canopy & 4th hole ductwork okay and expansion joints okay, Fans okay	okay	okay	None	None	NA
November	2023	Canopy & 4th hole ductwork okay and expansion joints okay, Fans okay	okay	okay	expansion joint #3 thru elbow #3 was replaced and the main canopy duct including the expansion joint C the the transition Y was replaced, replaced scroll liner on East Main Fan, replaced	11-6-23 though 11- 17-23	Process Barron and ICC Commonwealth and MWP and Robinson Fans and Gerdau Maintenance
December	2023	Canopy & 4th hole ductwork okay and expansion joints okay, Fans okay	okay	okay	None	None	NA

Note:

* Physical appearance: presence of hole in ductwork or hoods, flow constrictions caused by dents or accumulated dust in ductwork, fan erosion, etc.

** Record what maintenance was performed, by whom, and when. (See log 15 or 16 for log on maintenance performed).

Log 3
Log of Pollutant Emission Tonnage for Source 01 for Fee and Compliance Purposes
Shredder/Non-Ferrous

Month/Year	Hours of Operation Shredder	Input Tons	Hours of Operation Non-Ferrous Material Handling & Separation and Sorting Hubs	PM (lbs) Shredder	PM (lbs) Non-Ferrous	PM (lbs) Total	Input Tons Non Ferrous and Sorting Hubs	Shredder Input tons/hour	Non-Ferrous Input tons/hour
July 2023	114.80	25729.57	620.00	2870.00	2021.20	4891.20	12550.00	224	20
August 2023	161.57	36972.96	600.00	4039.25	1956.00	5995.25	15626.00	229	26
September 2023	143.74	30501.92	580.00	3593.50	1890.80	5484.30	16372.00	212	28
October 2023	134.13	30266.84	600.00	3353.25	1956.00	5309.25	15949.00	226	27
November 2023	102.17	20451.16	560.00	2554.25	1825.60	4379.85	11469.00	200	20
December 2023	138.79	29388.56	600.00	3469.75	1956.00	5425.75	17275.00	212	29
12 Month Total	795.20	173311.01	3560.00	69068.00	11605.60	31485.60			
12 Month Total (tons)				34.53	5.80	15.74			

Note: To calculate particulate emission multiply the number of hours operated by 25.0 lbs/hr

Note: To calculate particulate emission multiply the number of hours

Log 4

Log of Steel Production and Pollutant Emissions for Source 02 for fee Purposes and Annual Emission
Rate Compliance
Period of July 1, 2023 to December 31, 2023

Month/Year	Tons of Steel Produced	SO2		VOC		NOx		CO	
		Tons	Tons/12 Months	Tons	Tons/12 Months	Tons	Tons/12 Months	Tons	Tons/12 Months
July 2023	55287.55	1.94	28.62	9.12	97.17	8.57	51.26	43.40	224.84
August 2023	60358.36	2.11	28.00	9.96	98.11	9.36	56.24	47.38	253.63
September 2023	58010.93	2.03	27.70	9.57	99.99	8.99	61.50	45.54	283.32
October 2023	63829.08	2.23	27.43	10.53	102.27	9.89	67.39	50.11	316.41
November 2023	32847.31	1.15	27.07	5.42	102.72	5.09	70.08	25.79	331.97
December 2023	50073.60	1.75	26.97	8.26	104.85	7.76	74.87	39.31	358.63

Source 57-0189

Note: CO is NOT included for billing purposes, only for compliance purposes.

The emission factors to be used are in pounds emission / ton of steel produced and are provided in Attachment 3.

The "tons/12 months" values are the sum of the pollutants emissions in the 11 months preceding the month just completed + the pollutant emission in the month just completed. If data is not available for the 11 months preceding the initial use of this table, this value will be equal for tons per month. For the second month it will be the sum of the first month and the second month. Indicate in parentheses the number of months summed.

[i.e., 6 (2) represents 6 tons emitted in 2 months].

**Changed to Stack Test 2018 results.

Permitted		Stack Test Results from June 2006		Stack Test Results from May 2011	
SO2	0.3 lbs/tn	0.18 lbs/tn		0.05 lbs/tn	
NOx	0.54 lbs/tn	0.39 lbs/tn		0.16 lbs/tn	
VOC	0.33 lbs/tn	NA lbs/tn		NA lbs/tn	
CO	7 lbs/tn	2.38 lbs/tn		3.55 lbs/tn	
		Stack Test Results from July 2013		Stack Test Results from April 2018	
SO2	0.3 lbs/tn	0.07 lbs/tn		0.10 lbs/tn	
NOx	0.54 lbs/tn	0.16 lbs/tn		0.16 lbs/tn	
VOC	0.33 lbs/tn	NA lbs/tn		NA lbs/tn	
CO	7 lbs/tn	3.32 lbs/tn		0.68 lbs/tn	
		Stack Test Results from April 2023			
SO2	0.3 lbs/tn	0.07 lbs/tn			
NOx	0.54 lbs/tn	0.31 lbs/tn			
VOC	0.33 lbs/tn	NA lbs/tn			
CO	7 lbs/tn	1.57 lbs/tn			

	SO2	VOC	NOx	CO
Hours	lbs/hr	lbs/hr	lbs/hr	lbs/hr
647.96	6.0	28.2	26.5	134.0
610.53	6.9	32.6	30.6	155.2
573.41	7.1	33.4	31.4	158.8
621.30	7.2	33.9	31.8	161.3
327.93	7.0	33.1	31.1	157.3
490.98	7.1	33.7	31.6	160.1

Permitted: 40.5 44.5 72.9 945

Log 5
Log of Particulate and Lead Emission Tonnage for Source 02 for general Fee purposes and for
Compliance with the Annual Limit for Particulate Not Passing Through the Control Device

Period of July 1, 2023 to December 31, 2023

Month/Year	Steel Produced		PM not passing through the Control System		Total Hours Of Operation	PM Passing through the Control Device		Total PM tons	Lead tons (5)	Lead lb/hr	Lead Limit lb/hr	PM Limit lb/hr
	tons	tons/12 Months	tons (2)	tons/12 Months (5)		tons (3)	tons/12 Months (4)					
July 2023	55287.55	588933.19	0.77	8.25	647.96	11.17	27.53	35.77	0.05	0.00008	1.12	2.39
August 2023	60358.36	594616.70	0.85	8.32	610.53	10.53	36.30	44.63	0.05	0.00008	1.12	2.77
September 2023	58010.93	605998.68	0.81	8.48	573.41	9.89	44.73	53.21	0.05	0.00008	1.12	2.83
October 2023	63829.08	619791.85	0.89	8.68	621.30	10.71	53.85	62.53	0.05	0.00008	1.12	2.88
November 2023	32847.31	622554.67	0.46	8.72	327.93	5.66	58.71	67.43	0.03	0.00008	1.12	2.80
December 2023	50073.60	635441.14	0.70	8.90	490.98	8.47	65.94	74.83	0.04	0.00008	1.12	2.86

- Note:
- 1 - Only the column tons/12 months for Steel Produced and PM not passing through the control device shall be used for compliance purposes
 - 2 - To calculate emission in tons/month use the equation: EF X Material Input where EF is 0.000014 for fugitive emissions.
 - 3 - The "tons/12 months" values are the sum of the pollutants emissions in the 11 months preceding the month just completed + the pollutant emissions in the month just completed. If data is not available for the 11 months preceding the initial use of this table, this value will be equal to the value for tons per month. For the second month it will be the sum of the first month and the second month. Indicate in parentheses the number of months summed [i.e., 6 (2) represents 6 tons emitted in 2 months].
 - 4 - Calculate emission in tons/month use the equation: EF X Hours of Operation where EF is 0.02038.
 - 5 - Lead emissions are 2.6 percent of particulate, per the permit application. Fee for particulate matter emission include lead emission.

Stack Test Results from June 2006

Particulate	9.7 lbs/hr	0.00485 tons/hr
Lead	0.11 lbs/hr	0.000055 tons/hr

Stack Test Results from May 2011

Particulate	25.6 lbs/hr	0.0128 tons/hr
Lead	0.83 lbs/hr	0.000415 tons/hr

Stack Test Results from July 2013

Particulate	8.45 lbs/hr	0.004225 tons/hr
Lead	0.06 lbs/hr	0.00005 tons/hr

Stack Test Results from April 2018

Particulate	5.73 lbs/hr	0.002865 tons/hr
Lead	0.08 lbs/hr	0.00004 tons/hr

Stack Test Results from April 2023

Particulate	34.49 lbs/hr	0.002865 tons/hr
Lead	0.16 lbs/hr	0.00004 tons/hr

Log 6
Log of Pollutant Emission Tonnage for Source 04 for Fee Purposes and for
Compliance Purposes for the Annual Use of Fuel Oil

Month/ Year	Fuel Usage			Emissions				Emissions lb/hr			
	Natural Gas (million ft3)	Fuel Oil (1000 gals)	Rolling Mill Hours	PM lbs	SO2 lbs	VOC lbs	NOx lbs	PM lbs/hr	SO2 lbs/hr	VOC lbs/hr	NOx lbs/hr
July 23	45.80	0	591.27	87.02	27.48	251.90	18320.00	0.15	0.05	0.43	30.98
August 23	58.38	0	600.73	110.92	35.03	321.09	23352.00	0.18	0.06	0.53	38.87
September 23	55.99	0	631.64	106.38	33.59	307.95	22396.00	0.17	0.05	0.49	35.46
October 23	50.52	0	542.08	95.99	30.31	277.86	20208.00	0.18	0.06	0.51	37.28
November 23	48.46	0	528.73	92.07	29.08	266.53	19384.00	0.17	0.05	0.50	36.66
December 23	50.10	0	533.04	95.19	30.06	275.55	20040.00	0.18	0.06	0.52	37.60
12 Month Total lbs	309.25	0		587.58	185.55	1700.88	123700.00	1.03	0.33	2.98	216.85
12 Month Total tons				0.29	0.09	0.85	61.85	0.00	0.00	0.00	0.11

Note: Emission Factors to be used are as follows:
Pollutant Natural gas (lbs/million cubic feet)

PM	1.9
SO2	0.6
VOC	5.5
NOx	400.0

Note: N/P=No Production
Fuel Oil (lbs/1000 gallons)

	2.0
	142.0 (s) where S is the sulfur content in percent
	0.2
	20.0

CO is not included above since it is not a billable pollutant

Log 7

Product Straightener Baghouse Pressure Drop (Delta P) for Source 05

Month July
 Year 2023

Date	Delt P in H2O	Operator Initials	Straightener Product
1-Jul-23	not in use	not in use	not is use
2-Jul-23	not in use	not in use	not is use
3-Jul-23	not in use	not in use	not is use
4-Jul-23	not in use	not in use	not is use
5-Jul-23	not in use	not in use	not is use
6-Jul-23	3.88	TB	Angle
7-Jul-23	4	RC	Angle
8-Jul-23	5	RC	Angle
9-Jul-23	4.2	RC	Angle
10-Jul-23	4.9	BB	Angle
11-Jul-23	3.1	BB	Flats
12-Jul-23	not in use	not in use	not is use
13-Jul-23	2.4	BB	Flats
14-Jul-23	1.9	CS	Flats
15-Jul-23	1.8	CS	Flats
16-Jul-23	1.9	CS	Flats
17-Jul-23	2.1	RC	Flats
18-Jul-23	1.9	RC	Flats
19-Jul-23	not in use	not in use	not is use
20-Jul-23	1.8	RC	Flats
21-Jul-23	1.7	TB	Flats
22-Jul-23	not in use	TB	Flats
23-Jul-23	not in use	TB	Flats
24-Jul-23	not in use	CS	Rounds
25-Jul-23	not in use	CS	Rounds
26-Jul-23	not in use	CS	Rounds
27-Jul-23	not in use	CS	Rounds
28-Jul-23	not in use	CS	Rounds
29-Jul-23	not in use	BB	Rounds
30-Jul-23	2.2	TB	Channel
31-Jul-23	3.5	TB	Channel

*** IF READING BELOW ONE INCH (1") CONTACT
 ENVIRONMENTAL DEPARTMENT

Log 7**Product Straightener Baghouse Pressure Drop (Delta P) for Source 05**

Month August
 Year 2023

Date	Delt P in H2O	Operator Initials	Straightener Product
1-Aug-23	2.5	TB	Channel
2-Aug-23	not in use	Down Day	Down Day
3-Aug-23	5.2	TB	Angle
4-Aug-23	3.9	RC	Angle
5-Aug-23	5.2	RC	Angle
6-Aug-23	4.1	RC	Angle
7-Aug-23	4.3	BB	Angle
8-Aug-23	3.9	BB	Angle
9-Aug-23	4.2	BB	Angle
10-Aug-23	5.2	BB	Angle
11-Aug-23	5.6	CS	Angle
12-Aug-23	5.2	CS	Angle
13-Aug-23	4.8	CS	Angle
14-Aug-23	2.8	RC	Rebar
15-Aug-23	not in use	Down Day	Down Day
16-Aug-23	not in use	Down Day	Down Day
17-Aug-23	not in use	Down Day	Down Day
18-Aug-23	5.1	TB	Angle
19-Aug-23	5	TB	Angle
20-Aug-23	4.6	TB	Angle
21-Aug-23	4.6	CS	Angle
22-Aug-23	5.4	CS	Angle
23-Aug-23	4.4	CS	Angle
24-Aug-23	4.5	CS	Angle
25-Aug-23	4.6	CS	Channel
26-Aug-23	4.5	TB	Channel
27-Aug-23	4.6	TB	Channel
28-Aug-23	3.8	TB	Channel
29-Aug-23	3.9	TB	Channel
30-Aug-23	not in use	TB	Channel
31-Aug-23	4.6	TB	Channel

*** IF READING BELOW ONE INCH (1") CONTACT
 ENVIRONMENTAL DEPARTMENT

Log 7
Product Straightener Baghouse Pressure Drop (Delta P) for Source 05

Month September
Year 2023

Date	Delt P in H2O	Operator Initials	Straightener Product
1-Sep-23	4.6	RC	Channel
2-Sep-23	4.3	RC	Channel
3-Sep-23	not in use	CRH	Rebar
4-Sep-23	not in use	CRH	Rebar
5-Sep-23	not in use	CRH	Rebar
6-Sep-23	not in use	RC	Rebar
7-Sep-23	not in use	RC	Rebar
8-Sep-23	not in use	Down Day	Down Day
9-Sep-23	4.8	CS	Angle
10-Sep-23	4.9	CS	Angle
11-Sep-23	5.2	RC	Angle
12-Sep-23	5.3	RC	Angle
13-Sep-23	3.6	RC	Angle
14-Sep-23	2.9	RC	Angle
15-Sep-23	not in use	TB	Flats
16-Sep-23	not in use	TB	Flats
17-Sep-23	not in use	TB	Flats
18-Sep-23	not in use	CS	Flats
19-Sep-23	not in use	CS	Flats
20-Sep-23	not in use	CRH	Flats
21-Sep-23	not in use	CRH	Flats
22-Sep-23	not in use	CRH	Flats
23-Sep-23	not in use	KS	Flats
24-Sep-23	not in use	TB	Flats
25-Sep-23	not in use	TB	Flats
26-Sep-23	5.1	TB	Channel
27-Sep-23	4.9	TB	Channel
28-Sep-23	3.9	TB	Channel
29-Sep-23	4.6	RC	Angle
30-Sep-23	4.5	RC	Angle

***** IF READING BELOW ONE INCH (1") CONTACT
ENVIRONMENTAL DEPARTMENT**

Log 7**Product Straightener Baghouse Pressure Drop (Delta P) for Source 05**

Month October
Year 2023

Date	Delt P in H2O	Operator Initials	Straightener Product
1-Oct-23	3.8	RC	Odd Leg Angle
2-Oct-23	5.03	CRH	Odd Leg Angle
3-Oct-23	3.1	TB	Angle
4-Oct-23	4.6	CRH	Angle
5-Oct-23	3.9	CS	Angle
6-Oct-23	4.5	CS	Angle
7-Oct-23	4.7	CS	Angle
8-Oct-23	4.1	CS	Angle
9-Oct-23	2.3	RC	Rounds
10-Oct-23	1.2	RC	Rounds
11-Oct-23	not in use	not in use	Rounds
12-Oct-23	not in use	not in use	Rounds
13-Oct-23	not in use	not in use	Rounds
14-Oct-23	not in use	not in use	Rounds
15-Oct-23	not in use	not in use	not in use
16-Oct-23	not in use	not in use	not in use
17-Oct-23	not in use	not in use	not in use
18-Oct-23	not in use	not in use	not in use
19-Oct-23	not in use	not in use	not in use
20-Oct-23	3.6	CRH	Rounds
21-Oct-23	2.7	CRH	Rounds
22-Oct-23	4.2	TB	Angle
23-Oct-23	not in use	Down Day	Down Day
24-Oct-23	5.4	TB	Angle
25-Oct-23	not in use	not in use	not in use
26-Oct-23	3.8	TB	Angle
27-Oct-23	4.2	RC	Odd Leg Angle
28-Oct-23	4.3	RC	Channel
29-Oct-23	4.2	RC	Channel
30-Oct-23	3.8	JB	Channel
31-Oct-23	4.2	JB	Channel

Log 7**Product Straightener Baghouse Pressure Drop (Delta P) for Source 05**

Month November
 Year 2023

Date	Delt P in H2O	Operator Initials	Straightener Product
1-Nov-23	not in use	Down Day	Down Day
2-Nov-23	3.5	CS	Channel
3-Nov-23	3.8	CS	Channel
4-Nov-23	4.4	CS	Channel
5-Nov-23	4.5	CS	Channel
6-Nov-23	3.7	RC	Channel
7-Nov-23	4.2	RC	Channel
8-Nov-23	4.8	RC	Channel
9-Nov-23	3.3	ED/ABA	Channel / Angle
10-Nov-23	4.5	TB	Angle
11-Nov-23	3.2	TB	Angle
12-Nov-23	4.2	TB	Angle
13-Nov-23	4	CS	Angle
14-Nov-23	not in use	not in use	Flats
15-Nov-23	not in use	Down Day	Down Day
16-Nov-23	not in use	not in use	Flats
17-Nov-23	not in use	not in use	Flats
18-Nov-23	not in use	not in use	Flats
19-Nov-23	not in use	not in use	Flats
20-Nov-23	not in use	not in use	Flats
21-Nov-23	not in use	not in use	Flats
22-Nov-23	not in use	not in use	Flats
23-Nov-23	not in use	Down Day	Thanksgiving Holiday
24-Nov-23	not in use	Down Day	Thanksgiving Holiday
25-Nov-23	not in use	not in use	Flats
26-Nov-23	not in use	not in use	Flats
27-Nov-23	not in use	not in use	Flats
28-Nov-23	not in use	not in use	Flats
29-Nov-23	not in use	not in use	Flats
30-Nov-23	2.5	CS	Flats

***** IF READING BELOW ONE INCH (1") CONTACT
 ENVIRONMENTAL DEPARTMENT**

Log 7
Product Straightener Baghouse Pressure Drop (Delta P) for Source 05

Month December
Year 2023

Date	Delt P in H2O	Operator Initials	Straightener Product
1-Dec-23	2.5	CS	Flats
2-Dec-23	2.2	CS	Flats
3-Dec-23	2.3	CS	Flats
4-Dec-23	2	RC	Flats
5-Dec-23	1.95	RC	Flats
6-Dec-23	1.99	RC	Square
7-Dec-23	1.87	TB	Rounds
8-Dec-23	2	TB	Rounds
9-Dec-23	2.07	TB	Rounds
10-Dec-23	2.2	TB	Rounds
11-Dec-23	2.2	CS	Square
12-Dec-23	4.1	CS	Channel
13-Dec-23	not in use	Down Day	Down Day
14-Dec-23	4.2	CS	Channel
15-Dec-23	4.1	BB	Channel
16-Dec-23	4.3	BB	Angle
17-Dec-23	4.6	BB	Angle
18-Dec-23	4.1	TB	Angle
19-Dec-23	4.1	TB	Angle
20-Dec-23	4.8	TB	Angle
21-Dec-23	4.6	TB	Angle
22-Dec-23	5.1	RC	Angle
23-Dec-23	5.3	RC	Angle
24-Dec-23	not in use	not in use	not in use
25-Dec-23	not in use	not in use	not in use
26-Dec-23	not in use	not in use	not in use
27-Dec-23	not in use	not in use	not in use
28-Dec-23	not in use	not in use	not in use
29-Dec-23	not in use	not in use	not in use
30-Dec-23	not in use	not in use	not in use
31-Dec-23	not in use	not in use	not in use

***** IF READING BELOW ONE INCH (1") CONTACT
ENVIRONMENTAL DEPARTMENT**

Log 8
Log of Pollutant Emission Tonnage for Source 05 for Fee Purposes
Product Straightener

Month/Year	Hours of Operation	Input Tons	PM (lbs)
July 2023	591.27	35595.51	1271.23
August 2023	600.73	45708.07	1291.57
September 2023	631.64	44226.69	1358.03
October 2023	542.08	39893.35	1165.47
November 2023	528.73	37988.85	1136.77
December 2023	533.04	39296.39	1146.04
12 Month Total (lbs)			7369.10
12 Month Total (tons)			3.68

Note: To calculate particulate emission multiply the number of hours operated
by 2.15 lbs/hr

Log 9
Log of Opacity Observations for Source 02 for Compliance Purposes
Outlet Baghouse 1

	Date	Time Start	Time Stop	Read By	Mode of Operation	Sky Conditions	Wind MPH	6Min Avg	Prod. Day	Comments
x	1-Jul-23	12:10 PM	12:28 PM	MT	Melting	Cloudy	5-10	0.00%	1	
x	2-Jul-23	09:22 AM	09:40 AM	MT	Melting	Clear	10-15	0.00%	1	
x	3-Jul-23	04:00 PM	04:18 PM	CR	Melting	Clear	5-10	0.00%	1	
x	4-Jul-23	09:00 AM	09:18 AM	CR	Melting	Cloudy	0-5	0.00%	1	
x	5-Jul-23	07:20 AM	07:38 AM	CR	Melting	P.Cloudy	0-5	0.00%	1	
	6-Jul-23								1	No Daylight Operations
x	7-Jul-23	10:50 AM	11:08 AM	RC	Melting	Cloudy	0-5	0.00%	1	
x	8-Jul-23	01:00 PM	01:18 PM	TP	Melting	Cloudy	5-10	0.00%	1	
x	9-Jul-23	02:10 PM	02:28 PM	TP	Melting	Cloudy	6	0.00%	1	
x	10-Jul-23	11:20 AM	11:38 AM	CR	Melting	P.Cloudy	5-10	0.00%	1	
x	11-Jul-23	12:00 PM	12:18 PM	CR	Melting	P.Cloudy	0-5	0.00%	1	
x	12-Jul-23	01:20 PM	01:38 PM	RC	Melting	P.Cloudy	0-5	0.00%	1	
	13-Jul-23								1	No Daylight Operations
x	14-Jul-23	08:20 AM	08:38 AM	ZM	Melting	Cloudy	0-5	0.00%	1	
x	15-Jul-23	01:20 PM	01:38 PM	MT	Melting	Cloudy	10-15	0.00%	1	
x	16-Jul-23	07:10 AM	07:28 AM	MT	Melting	Clear	0-5	0.00%	1	
x	17-Jul-23	01:25 PM	01:43 PM	RC	Melting	Sunny	5-10	0.00%	1	
x	18-Jul-23	09:40 AM	09:58 AM	RC	Melting	P.Cloudy	5-10	0.00%	1	
	19-Jul-23								0	No Production
x	20-Jul-23	12:00 PM	12:18 PM	RC	Melting	Cloudy	10-15	0.00%	1	
x	21-Jul-23	08:20 AM	08:38 AM	RC	Melting	Cloudy	0-5	0.00%	1	
x	22-Jul-23	01:30 PM	01:48 PM	TP	Melting	Clear	5-10	0.00%	1	
x	23-Jul-23	11:30 AM	11:48 AM	TP	Melting	Clear	0-5	0.00%	1	
x	24-Jul-23	12:20 PM	12:38 PM	RC	Melting	Sunny	5-10	0.00%	1	
x	25-Jul-23	09:30 AM	09:48 AM	CR	Melting	Clear	5-10	0.00%	1	
x	26-Jul-23	11:50 AM	12:08 AM	CR	Melting	Overcast	5-10	0.00%	1	
	27-Jul-23								0	No Production
	28-Jul-23								0	No Production
x	29-Jul-23	06:35 PM	06:53 PM	BK	Melting	Sunny	5-10	0.00%	1	
	30-Jul-23								1	No Daylight Operations
x	31-Jul-23	09:40 AM	09:58 AM	CR	Melting	Sunny	0-5	0.00%	1	
x	1-Aug-23	12:10 PM	12:28 PM	RC	Melting	P.Cloudy	0-5	0.00%	1	
x	2-Aug-23	11:50 AM	12:08 PM	CR	Melting	Rain	0-5	0.00%	1	
	3-Aug-23								1	No Daylight Operations
x	4-Aug-23	12:00 PM	12:18 PM	CR	Melting	Rain	0-5	0.00%	1	
x	5-Aug-23	01:00 PM	01:18 PM	TP	Melting	Clear	5-10	0.00%	1	
x	6-Aug-23	12:30 PM	12:48 PM	TP	Melting	Clear	5-10	0.00%	1	
x	7-Aug-23	12:55 PM	01:13 PM	RC	Melting	P.Cloudy	10-15	0.00%	1	
x	8-Aug-23	08:10 AM	08:28 AM	CR	Melting	Overcast	0-5	0.00%	1	
x	9-Aug-23	09:00 AM	09:18 AM	CR	Melting	Rain	5-10	0.00%	1	
	10-Aug-23								0	No Production
x	11-Aug-23	02:50 PM	03:08 PM	MT	Melting	Cloudy	5-10	0.00%	1	
x	12-Aug-23	12:50 PM	01:08 PM	MT	Melting	Cloudy	5-10	0.00%	1	
x	13-Aug-23	12:35 PM	12:53 PM	MT	Melting	Cloudy	5-10	0.00%	1	
x	14-Aug-23	07:00 AM	07:18 AM	CR	Melting	Rain	5-10	0.00%	1	
x	15-Aug-23	09:30 AM	09:48 AM	CR	Melting	Sunny	5-10	0.00%	1	
x	16-Aug-23	08:20 AM	08:38 AM	CR	Melting	Sunny	0-5	0.00%	1	
	17-Aug-23								0	No Production
x	18-Aug-23	10:20 AM	10:38 AM	CR	Melting	Sunny	5-10	0.00%	1	
x	19-Aug-23	01:05 PM	01:23 PM	TP	Melting	Clear	0-5	0.00%	1	
x	20-Aug-23	03:20 PM	03:38 PM	TP	Melting	Sunny	5-10	0.00%	1	
x	21-Aug-23	08:40 AM	08:58 AM	RC	Melting	Sunny	0-5	0.00%	1	
x	22-Aug-23	10:40 AM	10:58 AM	CR	Melting	Clear	0-5	0.00%	1	
x	23-Aug-23	07:20 AM	07:38 AM	RC	Melting	Sunny	0-5	0.00%	1	
	24-Aug-23								1	No Daylight Operations
x	25-Aug-23	07:50 AM	08:08 AM	ZM	Melting	Sunny	0-5	0.00%	1	
x	26-Aug-23	07:37 AM	07:55 AM	MT	Melting	Clear	0-5	0.00%	1	
x	27-Aug-23	09:10 AM	09:28 AM	MT	Melting	Cloudy	0-5	0.00%	1	
x	28-Aug-23	10:40 AM	10:58 AM	CR	Melting	Cloudy	10-15	0.00%	1	
x	29-Aug-23	08:40 AM	08:58 AM	CR	Melting	Overcast	0-5	0.00%	1	
x	30-Aug-23	10:30 AM	10:48 AM	CR	Melting	Sunny	10-15	0.00%	1	
	31-Aug-23								1	No Daylight Operations
x	1-Sep-23	09:20 AM	09:38 AM	CR	Melting	Clear	0-5	0.00%	1	
x	2-Sep-23	02:10 PM	02:28 PM	TP	Melting	Sunny	5-10	0.00%	1	
x	3-Sep-23	01:30 PM	01:48 PM	TP	Melting	Sunny	5-10	0.00%	1	
	4-Sep-23								0	No Production
	5-Sep-23								0	No Production
	6-Sep-23								1	No Daylight Operations
x	7-Sep-23	09:00 AM	09:18 AM	CR	Melting	Clear	5-10	0.00%	1	
x	8-Sep-23	08:10 AM	08:28 AM	ZM	Melting	Cloudy	0-5	0.00%	1	
x	9-Sep-23	09:20 AM	09:38 AM	MT	Melting	Clear	5-10	0.00%	1	
x	10-Sep-23	08:30 AM	08:48 AM	MT	Melting	Clear	5-10	0.00%	1	
x	11-Sep-23	10:45 AM	11:03 AM	CR	Melting	Sunny	0-5	0.00%	1	
x	12-Sep-23	09:40 AM	09:58 AM	CR	Melting	Overcast	5-10	0.00%	1	
x	13-Sep-23	09:00 AM	09:18 AM	CR	Melting	Sunny	5-10	0.00%	1	
	14-Sep-23								1	No Daylight Operations
x	15-Sep-23	08:05 AM	08:23 AM	CR	Melting	Cloudy	5-10	0.00%	1	
x	16-Sep-23	08:32 AM	08:50 AM	MT	Melting	Clear	0-5	0.00%	1	
x	17-Sep-23	08:15 AM	08:33 AM	MT	Melting	Clear	0-5	0.00%	1	
x	18-Sep-23	09:10 AM	09:28 AM	CR	Melting	Cloudy	5-10	0.00%	1	
x	19-Sep-23	09:30 AM	09:48 AM	ZM	Melting	Sunny	0-5	0.00%	1	
x	20-Sep-23	11:20 AM	11:38 AM	CR	Melting	Sunny	0-5	0.00%	1	
	21-Sep-23								1	No Daylight Operations
x	22-Sep-23	07:20 AM	07:38 AM	CR	Melting	Overcast	0-5	0.00%	1	
x	23-Sep-23	09:22 AM	09:40 AM	MT	Melting	Clear	0-5	0.00%	1	
x	24-Sep-23	09:27 AM	09:45 AM	MT	Melting	Clear	5-10	0.00%	1	
x	25-Sep-23	11:20 AM	11:38 AM	CR	Melting	Sunny	0-5	0.00%	1	
x	26-Sep-23	09:55 AM	10:13 AM	RC	Melting	P.Cloudy	0-5	0.00%	1	
x	27-Sep-23	09:30 AM	09:48 AM	CR	Melting	Sunny	5-10	0.00%	1	
	28-Sep-23								1	No Daylight Operations
x	29-Sep-23	11:10 AM	11:28 AM	ZM	Melting	Sunny	0-5	0.00%	1	
x	30-Sep-23	01:10 PM	01:28 PM	TP	Melting	Sunny	0-5	0.00%	1	

75

85

75 reading/85 production days - 100% production days monitored
10 - No Daylight Production
0 - No normal continuous run-maintenance issues on startup

Log 9
Log of Opacity Observations for Source 02 for Compliance Purposes
Outlet Baghouse 1

	Date	Time Start	Time Stop	Read By	Mode of Operation	Sky Conditions	Wind MPH	6Min Avg	Prod. Day	Comments
x	1-Oct-23	02:15 PM	02:33 PM	TP	Melting	Sunny	5-10	0.00%	1	
x	2-Oct-23	11:30 AM	11:48 AM	CR	Melting	Sunny	0-5	0.00%	1	
x	3-Oct-23	10:55 AM	11:13 AM	CR	Melting	Clear	5-10	0.00%	1	
x	4-Oct-23	09:30 AM	09:48 AM	CR	Melting	Cloudy	10-15	0.00%	1	
	5-Oct-23								1	No Daylight Operations
x	6-Oct-23	07:50 AM	08:08 AM	RC	Melting	Sunny	5-10	0.00%	1	
x	7-Oct-23	09:50 AM	10:08 AM	MT	Melting	Clear	0-5	0.00%	1	
x	8-Oct-23	07:50 AM	08:08 AM	MT	Melting	Clear	5-10	0.00%	1	
x	9-Oct-23	09:55 AM	10:13 AM	RC	Melting	Sunny	10-15	0.00%	1	
x	10-Oct-23	12:10 PM	12:28 PM	RC	Melting	Sunny	5-10	0.00%	1	
x	11-Oct-23	01:20 PM	01:38 PM	RC	Melting	Cloudy	0-5	0.00%	1	
	12-Oct-23								1	No Daylight Operations
x	13-Oct-23	11:00 AM	11:18 AM	RC	Melting	Cloudy	5-10	0.00%	1	
x	14-Oct-23	08:20 AM	08:38 AM	MT	Melting	Cloudy	10-15	0.00%	1	
x	15-Oct-23	11:50 AM	12:08 PM	MT	Melting	Cloudy	10-15	0.00%	1	
x	16-Oct-23	09:40 AM	09:58 AM	CR	Melting	Cloudy	10-15	0.00%	1	
x	17-Oct-23	12:10 PM	12:28 PM	RC	Melting	Sunny	0-5	0.00%	1	
	18-Oct-23								0	No Production
	19-Oct-23								1	No Daylight Operations
x	20-Oct-23	09:10 AM	09:28 AM	ZM	Melting	Clear	0-5	0.00%	1	
x	21-Oct-23	09:17 AM	09:35 AM	MT	Melting	Clear	10-15	0.00%	1	
x	22-Oct-23	08:37 AM	08:55 AM	MT	Melting	Clear	0-5	0.00%	1	
x	23-Oct-23	01:55 PM	02:13 PM	RC	Melting	Sunny	0-5	0.00%	1	
x	24-Oct-23	12:00 PM	12:18 PM	CR	Melting	Sunny	5-10	0.00%	1	
x	25-Oct-23	07:30 AM	07:48 AM	CR	Melting	Clear	5-10	0.00%	1	
	26-Oct-23								0	No Production
x	27-Oct-23	01:40 PM	01:58 PM	CR	Melting	Rain	5-10	0.00%	1	
x	28-Oct-23	10:20 AM	10:38 AM	TP	Melting	P. Cloudy	5-10	0.00%	1	
x	29-Oct-23	10:40 AM	10:58 AM	TP	Melting	Cloudy	5-10	0.00%	1	
x	30-Oct-23	07:30 AM	07:48 AM	RC	Melting	Cloudy	10-15	0.00%	1	
x	31-Oct-23	08:10 AM	08:28 AM	CR	Melting	Cloudy	0-5	0.00%	1	
x	1-Nov-23	10:45 AM	11:03 AM	CR	Melting	Cloudy	0-5	0.00%	1	
	2-Nov-23								1	No Daylight Operations
x	3-Nov-23	09:40 AM	09:58 AM	CR	Melting	Overcast	10-15	0.00%	1	
x	4-Nov-23	07:30 AM	07:48 AM	MT	Melting	Clear	5-10	0.00%	1	
x	5-Nov-23	07:30 AM	07:48 AM	MT	Melting	Clear	0-5	0.00%	1	
	6-Nov-23								0	Outage
	7-Nov-23								0	Outage
	8-Nov-23								0	Outage
	9-Nov-23								0	Outage
	10-Nov-23								0	Outage
	11-Nov-23								0	Outage
	12-Nov-23								0	Outage
	13-Nov-23								0	Outage
	14-Nov-23								0	Outage
	15-Nov-23								0	Outage
	16-Nov-23								0	Outage
	17-Nov-23								0	Outage
x	18-Nov-23	08:42 AM	09:00 AM	MT	Melting	Clear	5-10	0.00%	1	
	19-Nov-23								0	No Production
x	20-Nov-23	09:12 AM	09:20 AM	CR	Melting	Rain	5-10	0.00%	1	
x	21-Nov-23	07:20 AM	07:38 AM	RC	Melting	Cloudy	10-15	0.00%	1	
x	22-Nov-23	09:12 AM	09:30 AM	CR	Melting	Overcast	5-10	0.00%	1	
	23-Nov-23								0	No Production
x	24-Nov-23	10:35 AM	10:53 AM	CR	Melting	Cloudy	5-10	0.00%	1	
x	25-Nov-23	01:25 PM	01:43 PM	TP	Melting	Clear	5-10	0.00%	1	
x	26-Nov-23	01:30 PM	01:48 PM	TP	Melting	Cloudy	5-10	0.00%	1	
x	27-Nov-23	10:10 AM	10:28 AM	RC	Melting	Cloudy	5-10	0.00%	1	
x	28-Nov-23	08:30 AM	08:48 AM	CR	Melting	P. Cloudy	5-10	0.00%	1	
x	29-Nov-23	12:20 PM	12:38 PM	CR	Melting	Clear	10-15	0.00%	1	
	30-Nov-23								1	No Daylight Operations
x	1-Dec-23	01:30 PM	01:48 PM	ZM	Melting	Cloudy	10-15	0.00%	1	
x	2-Dec-23	09:50 AM	10:08 AM	CR	Melting	Clear	5-10	0.00%	1	
x	3-Dec-23	10:40 AM	10:58 AM	MT	Melting	Clear	0-5	0.00%	1	
x	4-Dec-23	11:50 AM	12:08 AM	CR	Melting	Cloudy	10-15	0.00%	1	
x	5-Dec-23	11:40 AM	11:58 AM	RC	Melting	Sunny	15-20	0.00%	1	
x	6-Dec-23	09:20 AM	09:38 AM	CR	Melting	Sunny	0-5	0.00%	1	
	7-Dec-23								1	No Daylight Operations
x	8-Dec-23	11:12 AM	11:30 AM	RC	Melting	Cloudy	10-15	0.00%	1	
x	9-Dec-23	08:15 AM	08:33 AM	TP	Melting	Cloudy	5-10	0.00%	1	
x	10-Dec-23	01:50 PM	02:08 PM	TP	Melting	Sunny	5-10	0.00%	1	
	11-Dec-23								1	No Daylight Operations
x	12-Dec-23	09:10 AM	09:28 AM	CR	Melting	Clear	0-5	0.00%	1	
x	13-Dec-23	07:45 AM	08:03 AM	CR	Melting	Clear	5-10	0.00%	1	
x	14-Dec-23	12:40 AM	12:58 AM	CR	Melting	Clear	5-10	0.00%	1	
	15-Dec-23								1	No Daylight Operations
x	16-Dec-23	09:00 AM	09:18 AM	MT	Melting	Cloudy	5-10	0.00%	1	
x	17-Dec-23	11:40 AM	11:58 AM	MT	Melting	Cloudy	5-10	0.00%	1	
x	18-Dec-23	10:00 AM	10:18 AM	ZM	Melting	Sunny	10-15	0.00%	1	
x	19-Dec-23	10:20 AM	10:38 AM	RC	Melting	P. Cloudy	5-10	0.00%	1	
x	20-Dec-23	10:20 AM	10:38 AM	CR	Melting	Overcast	5-10	0.00%	1	
x	21-Dec-23	10:30 AM	10:48 AM	CR	Melting	Clear	5-10	0.00%	1	
x	22-Dec-23	07:35 AM	07:53 AM	RC	Melting	Sunny	0-5	0.00%	1	
x	23-Dec-23	01:40 PM	01:58 PM	TP	Melting	Cloudy	5-10	0.00%	1	
	24-Dec-23								0	No Production
	25-Dec-23								0	No Production
	26-Dec-23								0	No Production
	27-Dec-23								0	No Production
	28-Dec-23								0	No Production
	29-Dec-23								0	No Production
	30-Dec-23								0	No Production
	31-Dec-23								0	No Production

60

68

60 reading/68 production days - 100% production days monitored
8 - No Daylight Production
0 - No normal continuous run-maintenance issues throughout day

Log 9
Log of Opacity Observations for Source 02 for Compliance Purposes
Outlet Baghouse 2

	Date	Time Start	Time Stop	Read By	Mode of Operation	Sky Conditions	Wind MPH	6Min Avg	Prod. Day	Comments
x	1-Jul-23	12:10 PM	12:28 PM	MT	Melting	Cloudy	5-10	0.00%	1	
x	2-Jul-23	09:22 AM	09:40 AM	MT	Melting	Clear	10-15	0.00%	1	
x	3-Jul-23	04:00 PM	04:18 PM	CR	Melting	Clear	5-10	0.00%	1	
x	4-Jul-23	09:00 AM	09:18 AM	CR	Melting	Cloudy	0-5	0.00%	1	
x	5-Jul-23	07:20 AM	07:38 AM	CR	Melting	P.Cloudy	0-5	0.00%	1	
	6-Jul-23								1	No Daylight Operations
x	7-Jul-23	10:50 AM	11:08 AM	RC	Melting	Cloudy	0-5	0.00%	1	
x	8-Jul-23	01:00 PM	01:18 PM	TP	Melting	Cloudy	5-10	0.00%	1	
x	9-Jul-23	02:10 PM	02:28 PM	TP	Melting	Cloudy	6	0.00%	1	
x	10-Jul-23	11:20 AM	11:38 AM	CR	Melting	P.Cloudy	5-10	0.00%	1	
x	11-Jul-23	12:00 PM	12:18 PM	CR	Melting	P.Cloudy	0-5	0.00%	1	
x	12-Jul-23	01:20 PM	01:38 PM	RC	Melting	P.Cloudy	0-5	0.00%	1	
	13-Jul-23								1	No Daylight Operations
x	14-Jul-23	08:20 AM	08:38 AM	ZM	Melting	Cloudy	0-5	0.00%	1	
x	15-Jul-23	01:20 PM	01:38 PM	MT	Melting	Cloudy	10-15	0.00%	1	
x	16-Jul-23	07:10 AM	07:28 AM	MT	Melting	Clear	0-5	0.00%	1	
x	17-Jul-23	01:25 PM	01:43 PM	RC	Melting	Sunny	5-10	0.00%	1	
x	18-Jul-23	09:40 AM	09:58 AM	RC	Melting	P.Cloudy	5-10	0.00%	1	
	19-Jul-23								0	No Production
x	20-Jul-23	12:00 PM	12:18 PM	RC	Melting	Cloudy	10-15	0.00%	1	
x	21-Jul-23	08:20 AM	08:38 AM	RC	Melting	Cloudy	0-5	0.00%	1	
x	22-Jul-23	01:30 PM	01:48 PM	TP	Melting	Clear	5-10	0.00%	1	
x	23-Jul-23	11:30 AM	11:48 AM	TP	Melting	Clear	0-5	0.00%	1	
x	24-Jul-23	12:20 PM	12:38 PM	RC	Melting	Sunny	5-10	0.00%	1	
x	25-Jul-23	09:30 AM	09:48 AM	CR	Melting	Clear	5-10	0.00%	1	
x	26-Jul-23	11:50 AM	12:08 AM	CR	Melting	Overcast	5-10	0.00%	1	
	27-Jul-23								0	No Production
	28-Jul-23								0	No Production
x	29-Jul-23	06:35 PM	06:53 PM	BK	Melting	Sunny	5-10	0.00%	1	
	30-Jul-23								1	No Daylight Operations
x	31-Jul-23	09:40 AM	09:58 AM	CR	Melting	Sunny	0-5	0.00%	1	
x	1-Aug-23	12:10 PM	12:28 PM	RC	Melting	P.Cloudy	0-5	0.00%	1	
x	2-Aug-23	11:50 AM	12:08 PM	CR	Melting	Rain	0-5	0.00%	1	
	3-Aug-23								1	No Daylight Operations
x	4-Aug-23	12:00 PM	12:18 PM	CR	Melting	Rain	0-5	0.00%	1	
x	5-Aug-23	01:00 PM	01:18 PM	TP	Melting	Clear	5-10	0.00%	1	
x	6-Aug-23	12:30 PM	12:48 PM	TP	Melting	Clear	5-10	0.00%	1	
x	7-Aug-23	12:55 PM	01:13 PM	RC	Melting	P.Cloudy	10-15	0.00%	1	
x	8-Aug-23	08:10 AM	08:28 AM	CR	Melting	Overcast	0-5	0.00%	1	
x	9-Aug-23	09:00 AM	09:18 AM	CR	Melting	Rain	5-10	0.00%	1	
	10-Aug-23								0	No Production
x	11-Aug-23	02:50 PM	03:08 PM	MT	Melting	Cloudy	5-10	0.00%	1	
x	12-Aug-23	12:50 PM	01:08 PM	MT	Melting	Cloudy	5-10	0.00%	1	
x	13-Aug-23	12:35 PM	12:53 PM	MT	Melting	Cloudy	5-10	0.00%	1	
x	14-Aug-23	07:00 AM	07:18 AM	CR	Melting	Rain	5-10	0.00%	1	
x	15-Aug-23	09:30 AM	09:48 AM	CR	Melting	Sunny	5-10	0.00%	1	
x	16-Aug-23	08:20 AM	08:38 AM	CR	Melting	Sunny	0-5	0.00%	1	
	17-Aug-23								0	No Production
x	18-Aug-23	10:20 AM	10:38 AM	CR	Melting	Sunny	5-10	0.00%	1	
x	19-Aug-23	01:05 PM	01:23 PM	TP	Melting	Clear	0-5	0.00%	1	
x	20-Aug-23	03:20 PM	03:38 PM	TP	Melting	Sunny	5-10	0.00%	1	
x	21-Aug-23	08:40 AM	08:58 AM	RC	Melting	Sunny	0-5	0.00%	1	
x	22-Aug-23	10:40 AM	10:58 AM	CR	Melting	Clear	0-5	0.00%	1	
x	23-Aug-23	07:20 AM	07:38 AM	RC	Melting	Sunny	0-5	0.00%	1	
	24-Aug-23								1	No Daylight Operations
x	25-Aug-23	07:50 AM	08:08 AM	ZM	Melting	Sunny	0-5	0.00%	1	
x	26-Aug-23	07:37 AM	07:55 AM	MT	Melting	Clear	0-5	0.00%	1	
x	27-Aug-23	09:10 AM	09:28 AM	MT	Melting	Cloudy	0-5	0.00%	1	
x	28-Aug-23	10:40 AM	10:58 AM	CR	Melting	Cloudy	10-15	0.00%	1	
x	29-Aug-23	08:40 AM	08:58 AM	CR	Melting	Overcast	0-5	0.00%	1	
x	30-Aug-23	10:30 AM	10:48 AM	CR	Melting	Sunny	10-15	0.00%	1	
	31-Aug-23								1	No Daylight Operations
x	1-Sep-23	09:20 AM	09:38 AM	CR	Melting	Clear	0-5	0.00%	1	
x	2-Sep-23	02:10 PM	02:28 PM	TP	Melting	Sunny	5-10	0.00%	1	
x	3-Sep-23	01:30 PM	01:48 PM	TP	Melting	Sunny	5-10	0.00%	1	
	4-Sep-23								0	No Production
	5-Sep-23								0	No Production
	6-Sep-23								1	No Daylight Operations
x	7-Sep-23	09:00 AM	09:18 AM	CR	Melting	Clear	5-10	0.00%	1	
x	8-Sep-23	08:10 AM	08:28 AM	ZM	Melting	Cloudy	0-5	0.00%	1	
x	9-Sep-23	09:20 AM	09:38 AM	MT	Melting	Clear	5-10	0.00%	1	
x	10-Sep-23	08:30 AM	08:48 AM	MT	Melting	Clear	5-10	0.00%	1	
x	11-Sep-23	10:45 AM	11:03 AM	CR	Melting	Sunny	0-5	0.00%	1	
x	12-Sep-23	09:40 AM	09:58 AM	CR	Melting	Overcast	5-10	0.00%	1	
x	13-Sep-23	09:00 AM	09:18 AM	CR	Melting	Sunny	5-10	0.00%	1	
	14-Sep-23								1	No Daylight Operations
x	15-Sep-23	08:05 AM	08:23 AM	CR	Melting	Cloudy	5-10	0.00%	1	
x	16-Sep-23	08:32 AM	08:50 AM	MT	Melting	Clear	0-5	0.00%	1	
x	17-Sep-23	08:15 AM	08:33 AM	MT	Melting	Clear	0-5	0.00%	1	
x	18-Sep-23	09:10 AM	09:28 AM	CR	Melting	Cloudy	5-10	0.00%	1	
x	19-Sep-23	09:30 AM	09:48 AM	ZM	Melting	Sunny	0-5	0.00%	1	
x	20-Sep-23	11:20 AM	11:38 AM	CR	Melting	Sunny	0-5	0.00%	1	
	21-Sep-23								1	No Daylight Operations
x	22-Sep-23	07:20 AM	07:38 AM	CR	Melting	Overcast	0-5	0.00%	1	
x	23-Sep-23	09:22 AM	09:40 AM	MT	Melting	Clear	0-5	0.00%	1	
x	24-Sep-23	09:27 AM	09:45 AM	MT	Melting	Clear	5-10	0.00%	1	
x	25-Sep-23	11:20 AM	11:38 AM	CR	Melting	Sunny	0-5	0.00%	1	
x	26-Sep-23	09:55 AM	10:13 AM	RC	Melting	P.Cloudy	0-5	0.00%	1	
x	27-Sep-23	09:30 AM	09:48 AM	CR	Melting	Sunny	5-10	0.00%	1	
	28-Sep-23								1	No Daylight Operations
x	29-Sep-23	11:10 AM	11:28 AM	ZM	Melting	Sunny	0-5	0.00%	1	
x	30-Sep-23	01:10 PM	01:28 PM	TP	Melting	Sunny	0-5	0.00%	1	

75

85

75 reading/85 production days - 100% production days monitored
10 - No Daylight Production
0 - No normal continuous run-maintenance issues on startup

Log 9
Log of Opacity Observations for Source 02 for Compliance Purposes
Outlet Baghouse 2

	Date	Time Start	Time Stop	Read By	Mode of Operation	Sky Conditions	Wind MPH	6Min Avg	Prod. Day	Comments
x	1-Oct-23	02:15 PM	02:33 PM	TP	Melting	Sunny	5-10	0.00%	1	
x	2-Oct-23	11:30 AM	11:48 AM	CR	Melting	Sunny	0-5	0.00%	1	
x	3-Oct-23	10:55 AM	11:13 AM	CR	Melting	Clear	5-10	0.00%	1	
x	4-Oct-23	09:30 AM	09:48 AM	CR	Melting	Cloudy	10-15	0.00%	1	
	5-Oct-23								1	No Daylight Operations
x	6-Oct-23	07:50 AM	08:08 AM	RC	Melting	Sunny	5-10	0.00%	1	
x	7-Oct-23	09:50 AM	10:08 AM	MT	Melting	Clear	0-5	0.00%	1	
x	8-Oct-23	07:50 AM	08:08 AM	MT	Melting	Clear	5-10	0.00%	1	
x	9-Oct-23	09:55 AM	10:13 AM	RC	Melting	Sunny	10-15	0.00%	1	
x	10-Oct-23	12:10 PM	12:28 PM	RC	Melting	Sunny	5-10	0.00%	1	
x	11-Oct-23	01:20 PM	01:38 PM	RC	Melting	Cloudy	0-5	0.00%	1	
	12-Oct-23								1	No Daylight Operations
x	13-Oct-23	11:00 AM	11:18 AM	RC	Melting	Cloudy	5-10	0.00%	1	
x	14-Oct-23	08:20 AM	08:38 AM	MT	Melting	Cloudy	10-15	0.00%	1	
x	15-Oct-23	11:50 AM	12:08 PM	MT	Melting	Cloudy	10-15	0.00%	1	
x	16-Oct-23	09:40 AM	09:58 AM	CR	Melting	Cloudy	10-15	0.00%	1	
x	17-Oct-23	12:10 PM	12:28 PM	RC	Melting	Sunny	0-5	0.00%	1	
	18-Oct-23								0	No Production
	19-Oct-23								1	No Daylight Operations
x	20-Oct-23	09:10 AM	09:28 AM	ZM	Melting	Clear	0-5	0.00%	1	
x	21-Oct-23	09:17 AM	09:35 AM	MT	Melting	Clear	10-15	0.00%	1	
x	22-Oct-23	08:37 AM	08:55 AM	MT	Melting	Clear	0-5	0.00%	1	
x	23-Oct-23	01:55 PM	02:13 PM	RC	Melting	Sunny	0-5	0.00%	1	
x	24-Oct-23	12:00 PM	12:18 PM	CR	Melting	Sunny	5-10	0.00%	1	
x	25-Oct-23	07:30 AM	07:48 AM	CR	Melting	Clear	5-10	0.00%	1	
	26-Oct-23								0	No Production
x	27-Oct-23	01:40 PM	01:58 PM	CR	Melting	Rain	5-10	0.00%	1	
x	28-Oct-23	10:20 AM	10:38 AM	TP	Melting	P. Cloudy	5-10	0.00%	1	
x	29-Oct-23	10:40 AM	10:58 AM	TP	Melting	Cloudy	5-10	0.00%	1	
x	30-Oct-23	07:30 AM	07:48 AM	RC	Melting	Cloudy	10-15	0.00%	1	
x	31-Oct-23	08:10 AM	08:28 AM	CR	Melting	Cloudy	0-5	0.00%	1	
x	1-Nov-23	10:45 AM	11:03 AM	CR	Melting	Cloudy	0-5	0.00%	1	
	2-Nov-23								1	No Daylight Operations
x	3-Nov-23	09:40 AM	09:58 AM	CR	Melting	Overcast	10-15	0.00%	1	
x	4-Nov-23	07:30 AM	07:48 AM	MT	Melting	Clear	5-10	0.00%	1	
x	5-Nov-23	07:30 AM	07:48 AM	MT	Melting	Clear	0-5	0.00%	1	
	6-Nov-23								0	Outage
	7-Nov-23								0	Outage
	8-Nov-23								0	Outage
	9-Nov-23								0	Outage
	10-Nov-23								0	Outage
	11-Nov-23								0	Outage
	12-Nov-23								0	Outage
	13-Nov-23								0	Outage
	14-Nov-23								0	Outage
	15-Nov-23								0	Outage
	16-Nov-23								0	Outage
	17-Nov-23								0	Outage
x	18-Nov-23	08:42 AM	09:00 AM	MT	Melting	Clear	5-10	0.00%	1	
	19-Nov-23								0	No Production
x	20-Nov-23	09:12 AM	09:20 AM	CR	Melting	Rain	5-10	0.00%	1	
x	21-Nov-23	07:20 AM	07:38 AM	RC	Melting	Cloudy	10-15	0.00%	1	
x	22-Nov-23	09:12 AM	09:30 AM	CR	Melting	Overcast	5-10	0.00%	1	
	23-Nov-23								0	No Production
x	24-Nov-23	10:35 AM	10:53 AM	CR	Melting	Cloudy	5-10	0.00%	1	
x	25-Nov-23	01:25 PM	01:43 PM	TP	Melting	Clear	5-10	0.00%	1	
x	26-Nov-23	01:30 PM	01:48 PM	TP	Melting	Cloudy	5-10	0.00%	1	
x	27-Nov-23	10:10 AM	10:28 AM	RC	Melting	Cloudy	5-10	0.00%	1	
x	28-Nov-23	08:30 AM	08:48 AM	CR	Melting	P. Cloudy	5-10	0.00%	1	
x	29-Nov-23	12:20 PM	12:38 PM	CR	Melting	Clear	10-15	0.00%	1	
	30-Nov-23								1	No Daylight Operations
x	1-Dec-23	01:30 PM	01:48 PM	ZM	Melting	Cloudy	10-15	0.00%	1	
x	2-Dec-23	09:50 AM	10:08 AM	CR	Melting	Clear	5-10	0.00%	1	
x	3-Dec-23	10:40 AM	10:58 AM	MT	Melting	Clear	0-5	0.00%	1	
x	4-Dec-23	11:50 AM	12:08 PM	CR	Melting	Cloudy	10-15	0.00%	1	
x	5-Dec-23	11:40 AM	11:58 AM	RC	Melting	Sunny	15-20	0.00%	1	
x	6-Dec-23	09:20 AM	09:38 AM	CR	Melting	Sunny	0-5	0.00%	1	
	7-Dec-23								1	No Daylight Operations
x	8-Dec-23	11:12 AM	11:30 AM	RC	Melting	Cloudy	10-15	0.00%	1	
x	9-Dec-23	08:15 AM	08:33 AM	TP	Melting	Cloudy	5-10	0.00%	1	
x	10-Dec-23	01:50 PM	02:08 PM	TP	Melting	Sunny	5-10	0.00%	1	
	11-Dec-23								1	No Daylight Operations
x	12-Dec-23	09:10 AM	09:28 AM	CR	Melting	Clear	0-5	0.00%	1	
x	13-Dec-23	07:45 AM	08:03 AM	CR	Melting	Clear	5-10	0.00%	1	
x	14-Dec-23	12:40 PM	12:58 PM	CR	Melting	Clear	5-10	0.00%	1	
	15-Dec-23								1	No Daylight Operations
x	16-Dec-23	09:00 AM	09:18 AM	MT	Melting	Cloudy	5-10	0.00%	1	
x	17-Dec-23	11:40 AM	11:58 AM	MT	Melting	Cloudy	5-10	0.00%	1	
x	18-Dec-23	10:00 AM	10:18 AM	ZM	Melting	Sunny	10-15	0.00%	1	
x	19-Dec-23	10:20 AM	10:38 AM	RC	Melting	P. Cloudy	5-10	0.00%	1	
x	20-Dec-23	10:20 AM	10:38 AM	CR	Melting	Overcast	5-10	0.00%	1	
x	21-Dec-23	10:30 AM	10:48 AM	CR	Melting	Clear	5-10	0.00%	1	
x	22-Dec-23	07:35 AM	07:53 AM	RC	Melting	Sunny	0-5	0.00%	1	
x	23-Dec-23	01:40 PM	01:58 PM	TP	Melting	Cloudy	5-10	0.00%	1	
	24-Dec-23								0	No Production
	25-Dec-23								0	No Production
	26-Dec-23								0	No Production
	27-Dec-23								0	No Production
	28-Dec-23								0	No Production
	29-Dec-23								0	No Production
	30-Dec-23								0	No Production
	31-Dec-23								0	No Production

60

68

60 reading/68 production days - 100% production days monitored
8 - No Daylight Production
0 - No normal continuous run-maintenance issues throughout day

Log 9
Log of Opacity Observations for Source 02 for Compliance Purposes
Outlet Meltshop Canopy

	Date	Time Start	Time Stop	Read By	Mode of Operation	Sky Conditions	Wind MPH	6Min Avg	Prod. Day	Comments
x	1-Jul-23	12:10 PM	12:16 PM	MT	Melting	Cloudy	5-10	0.00%	1	
x	2-Jul-23	09:22 AM	09:28 AM	MT	Melting	Clear	10-15	0.00%	1	
x	3-Jul-23	04:00 PM	04:06 PM	CR	Melting	Clear	5-10	0.00%	1	
x	4-Jul-23	09:00 AM	09:06 AM	CR	Melting	Cloudy	0-5	0.00%	1	
x	5-Jul-23	07:20 AM	07:26 AM	CR	Melting	P.Cloudy	0-5	0.00%	1	
	6-Jul-23								1	No Daylight Operations
x	7-Jul-23	10:50 AM	11:56 AM	RC	Melting	Cloudy	0-5	0.00%	1	
x	8-Jul-23	01:00 PM	01:06 PM	TP	Melting	Cloudy	5-10	0.00%	1	
x	9-Jul-23	02:10 PM	02:16 PM	TP	Melting	Cloudy	6	0.00%	1	
x	10-Jul-23	11:20 AM	11:26 AM	CR	Melting	P.Cloudy	5-10	0.00%	1	
x	11-Jul-23	12:00 PM	12:06 PM	CR	Melting	P.Cloudy	0-5	0.00%	1	
x	12-Jul-23	01:20 PM	01:26 PM	RC	Melting	P.Cloudy	0-5	0.00%	1	
	13-Jul-23								1	No Daylight Operations
x	14-Jul-23	08:20 AM	08:26 AM	ZM	Melting	Cloudy	0-5	0.00%	1	
x	15-Jul-23	01:20 PM	01:26 PM	MT	Melting	Cloudy	10-15	0.00%	1	
x	16-Jul-23	07:10 AM	07:16 AM	MT	Melting	Clear	0-5	0.00%	1	
x	17-Jul-23	01:25 PM	01:31 PM	RC	Melting	Sunny	5-10	0.00%	1	
x	18-Jul-23	09:40 AM	09:46 AM	RC	Melting	P.Cloudy	5-10	0.00%	1	
	19-Jul-23								0	No Production
x	20-Jul-23	12:00 PM	12:06 PM	RC	Melting	Cloudy	10-15	0.00%	1	
x	21-Jul-23	08:20 AM	08:26 AM	RC	Melting	Cloudy	0-5	0.00%	1	
x	22-Jul-23	01:30 PM	01:36 PM	TP	Melting	Clear	5-10	0.00%	1	
x	23-Jul-23	11:30 AM	11:36 AM	TP	Melting	Clear	0-5	0.00%	1	
x	24-Jul-23	12:20 PM	12:26 PM	RC	Melting	Sunny	5-10	0.00%	1	
x	25-Jul-23	09:30 AM	09:36 AM	CR	Melting	Clear	5-10	0.00%	1	
x	26-Jul-23	11:50 AM	11:56 AM	CR	Melting	Overcast	5-10	0.00%	1	
	27-Jul-23								0	No Production
	28-Jul-23								0	No Production
x	29-Jul-23	06:35 PM	06:41 PM	BK	Melting	Sunny	5-10	0.00%	1	
	30-Jul-23								1	No Daylight Operations
x	31-Jul-23	09:40 AM	09:46 AM	CR	Melting	Sunny	0-5	0.00%	1	
x	1-Aug-23	12:10 PM	12:16 PM	RC	Melting	P.Cloudy	0-5	0.00%	1	
x	2-Aug-23	11:50 AM	11:56 AM	CR	Melting	Rain	0-5	0.00%	1	
	3-Aug-23								1	No Daylight Operations
x	4-Aug-23	12:00 PM	12:06 PM	CR	Melting	Rain	0-5	0.00%	1	
x	5-Aug-23	01:00 PM	01:06 PM	TP	Melting	Clear	5-10	0.00%	1	
x	6-Aug-23	12:30 PM	12:36 PM	TP	Melting	Clear	5-10	0.00%	1	
x	7-Aug-23	12:55 PM	01:01 PM	RC	Melting	P.Cloudy	10-15	0.00%	1	
x	8-Aug-23	08:10 AM	08:16 AM	CR	Melting	Overcast	0-5	0.00%	1	
x	9-Aug-23	09:00 AM	09:06 AM	CR	Melting	Rain	5-10	0.00%	1	
	10-Aug-23								0	No Production
x	11-Aug-23	02:50 PM	02:56 PM	MT	Melting	Cloudy	5-10	0.00%	1	
x	12-Aug-23	12:50 PM	12:56 PM	MT	Melting	Cloudy	5-10	0.00%	1	
x	13-Aug-23	12:35 PM	12:41 PM	MT	Melting	Cloudy	5-10	0.00%	1	
x	14-Aug-23	07:00 AM	07:06 AM	CR	Melting	Rain	5-10	0.00%	1	
x	15-Aug-23	09:30 AM	09:36 AM	CR	Melting	Sunny	5-10	0.00%	1	
x	16-Aug-23	08:20 AM	08:26 AM	CR	Melting	Sunny	0-5	0.00%	1	
	17-Aug-23								0	No Production
x	18-Aug-23	10:20 AM	10:26 AM	CR	Melting	Sunny	5-10	0.00%	1	
x	19-Aug-23	01:05 PM	01:11 PM	TP	Melting	Clear	0-5	0.00%	1	
x	20-Aug-23	03:20 PM	03:26 PM	TP	Melting	Sunny	5-10	0.00%	1	
x	21-Aug-23	08:40 AM	08:46 AM	RC	Melting	Sunny	0-5	0.00%	1	
x	22-Aug-23	10:40 AM	10:46 AM	CR	Melting	Clear	0-5	0.00%	1	
x	23-Aug-23	07:20 AM	07:26 AM	RC	Melting	Sunny	0-5	0.00%	1	
	24-Aug-23								1	No Daylight Operations
x	25-Aug-23	07:50 AM	07:56 AM	ZM	Melting	Sunny	0-5	0.00%	1	
x	26-Aug-23	07:37 AM	07:43 AM	MT	Melting	Clear	0-5	0.00%	1	
x	27-Aug-23	09:10 AM	09:16 AM	MT	Melting	Cloudy	0-5	0.00%	1	
x	28-Aug-23	10:40 AM	10:46 AM	CR	Melting	Cloudy	10-15	0.00%	1	
x	29-Aug-23	08:40 AM	08:46 AM	CR	Melting	Overcast	0-5	0.00%	1	
x	30-Aug-23	10:30 AM	10:36 AM	CR	Melting	Sunny	10-15	0.00%	1	
	31-Aug-23								1	No Daylight Operations
x	1-Sep-23	09:20 AM	09:26 AM	CR	Melting	Clear	0-5	0.00%	1	
x	2-Sep-23	02:10 PM	02:16 PM	TP	Melting	Sunny	5-10	0.00%	1	
x	3-Sep-23	01:30 PM	01:36 PM	TP	Melting	Sunny	5-10	0.00%	1	
	4-Sep-23								0	No Production
	5-Sep-23								0	No Production
	6-Sep-23								1	No Daylight Operations
x	7-Sep-23	09:00 AM	09:06 AM	CR	Melting	Clear	5-10	0.00%	1	
x	8-Sep-23	08:10 AM	08:16 AM	ZM	Melting	Cloudy	0-5	0.00%	1	
x	9-Sep-23	09:20 AM	09:26 AM	MT	Melting	Clear	5-10	0.00%	1	
x	10-Sep-23	08:30 AM	08:36 AM	MT	Melting	Clear	5-10	0.00%	1	
x	11-Sep-23	10:45 AM	10:51 AM	CR	Melting	Sunny	0-5	0.00%	1	
x	12-Sep-23	09:40 AM	09:46 AM	CR	Melting	Overcast	5-10	0.00%	1	
x	13-Sep-23	09:00 AM	09:06 AM	CR	Melting	Sunny	5-10	0.00%	1	
	14-Sep-23								1	No Daylight Operations
x	15-Sep-23	08:05 AM	08:11 AM	CR	Melting	Cloudy	5-10	0.00%	1	
x	16-Sep-23	08:32 AM	08:38 AM	MT	Melting	Clear	0-5	0.00%	1	
x	17-Sep-23	08:15 AM	08:21 AM	MT	Melting	Clear	0-5	0.00%	1	
x	18-Sep-23	09:10 AM	09:16 AM	CR	Melting	Cloudy	5-10	0.00%	1	
x	19-Sep-23	09:30 AM	09:36 AM	ZM	Melting	Sunny	0-5	0.00%	1	
x	20-Sep-23	11:20 AM	11:26 AM	CR	Melting	Sunny	0-5	0.00%	1	
	21-Sep-23								1	No Daylight Operations
x	22-Sep-23	07:20 AM	07:26 AM	CR	Melting	Overcast	0-5	0.00%	1	
x	23-Sep-23	09:22 AM	09:28 AM	MT	Melting	Clear	0-5	0.00%	1	
x	24-Sep-23	09:27 AM	09:33 AM	MT	Melting	Clear	5-10	0.00%	1	
x	25-Sep-23	11:20 AM	11:26 AM	CR	Melting	Sunny	0-5	0.00%	1	
x	26-Sep-23	09:55 AM	10:01 AM	RC	Melting	P.Cloudy	0-5	0.00%	1	
x	27-Sep-23	09:30 AM	09:36 AM	CR	Melting	Sunny	5-10	0.00%	1	
	28-Sep-23								1	No Daylight Operations
x	29-Sep-23	11:10 AM	11:16 AM	ZM	Melting	Sunny	0-5	0.00%	1	
x	30-Sep-23	01:10 PM	01:16 PM	TP	Melting	Sunny	0-5	0.00%	1	

75

75 reading/85 production days - 100% production days monitored
10 - No Daylight Production
0 - No normal continuous run-maintenance issues on startup

85

Log 9
Log of Opacity Observations for Source 02 for Compliance Purposes
Outlet Meltshop Canopy

	Date	Time Start	Time Stop	Read By	Mode of Operation	Sky Conditions	Wind MPH	6Min Avg	Prod. Day	Comments
x	1-Oct-23	02:15 PM	02:21 PM	TP	Melting	Sunny	5-10	0.00%	1	
x	2-Oct-23	11:30 AM	11:36 AM	CR	Melting	Sunny	0-5	0.00%	1	
x	3-Oct-23	10:55 AM	11:01 AM	CR	Melting	Clear	5-10	0.00%	1	
x	4-Oct-23	09:30 AM	09:36 AM	CR	Melting	Cloudy	10-15	0.00%	1	
	5-Oct-23								1	No Daylight Operations
x	6-Oct-23	07:50 AM	07:56 AM	RC	Melting	Sunny	5-10	0.00%	1	
x	7-Oct-23	09:50 AM	09:56 AM	MT	Melting	Clear	0-5	0.00%	1	
x	8-Oct-23	07:50 AM	07:56 AM	MT	Melting	Clear	5-10	0.00%	1	
x	9-Oct-23	09:55 AM	10:01 AM	RC	Melting	Sunny	10-15	0.00%	1	
x	10-Oct-23	12:10 PM	12:16 PM	RC	Melting	Sunny	5-10	0.00%	1	
x	11-Oct-23	01:20 PM	01:26 PM	RC	Melting	Cloudy	0-5	0.00%	1	
	12-Oct-23								1	No Daylight Operations
x	13-Oct-23	11:00 AM	11:06 AM	RC	Melting	Cloudy	5-10	0.00%	1	
x	14-Oct-23	08:20 AM	08:26 AM	MT	Melting	Cloudy	10-15	0.00%	1	
x	15-Oct-23	11:50 AM	11:56 AM	MT	Melting	Cloudy	10-15	0.00%	1	
x	16-Oct-23	09:40 AM	09:46 AM	CR	Melting	Cloudy	10-15	0.00%	1	
x	17-Oct-23	12:10 PM	12:16 PM	RC	Melting	Sunny	0-5	0.00%	1	
	18-Oct-23								0	No Production
	19-Oct-23								1	No Daylight Operations
x	20-Oct-23	09:10 AM	09:16 AM	ZM	Melting	Clear	0-5	0.00%	1	
x	21-Oct-23	09:17 AM	09:23 AM	MT	Melting	Clear	10-15	0.00%	1	
x	22-Oct-23	08:37 AM	08:43 AM	MT	Melting	Clear	0-5	0.00%	1	
x	23-Oct-23	01:55 PM	02:01 PM	RC	Melting	Sunny	0-5	0.00%	1	
x	24-Oct-23	12:00 PM	12:06 PM	CR	Melting	Sunny	5-10	0.00%	1	
x	25-Oct-23	07:30 AM	07:36 AM	CR	Melting	Clear	5-10	0.00%	1	
	26-Oct-23								0	No Production
x	27-Oct-23	01:40 PM	01:46 PM	CR	Melting	Rain	5-10	0.00%	1	
x	28-Oct-23	10:20 AM	10:26 AM	TP	Melting	P. Cloudy	5-10	0.00%	1	
x	29-Oct-23	10:40 AM	10:46 AM	TP	Melting	Cloudy	5-10	0.00%	1	
x	30-Oct-23	07:30 AM	07:36 AM	RC	Melting	Cloudy	10-15	0.00%	1	
x	31-Oct-23	08:10 AM	08:16 AM	CR	Melting	Cloudy	0-5	0.00%	1	
x	1-Nov-23	10:45 AM	10:51 AM	CR	Melting	Cloudy	0-5	0.00%	1	
	2-Nov-23								1	No Daylight Operations
x	3-Nov-23	09:40 AM	09:46 AM	CR	Melting	Overcast	10-15	0.00%	1	
x	4-Nov-23	07:30 AM	07:36 AM	MT	Melting	Clear	5-10	0.00%	1	
x	5-Nov-23	07:30 AM	07:36 AM	MT	Melting	Clear	0-5	0.00%	1	
	6-Nov-23								0	Outage
	7-Nov-23								0	Outage
	8-Nov-23								0	Outage
	9-Nov-23								0	Outage
	10-Nov-23								0	Outage
	11-Nov-23								0	Outage
	12-Nov-23								0	Outage
	13-Nov-23								0	Outage
	14-Nov-23								0	Outage
	15-Nov-23								0	Outage
	16-Nov-23								0	Outage
	17-Nov-23								0	Outage
x	18-Nov-23	08:42 AM	08:48 AM	MT	Melting	Clear	5-10	0.00%	1	
	19-Nov-23								0	No Production
x	20-Nov-23	09:12 AM	09:18 AM	CR	Melting	Rain	5-10	0.00%	1	
x	21-Nov-23	07:20 AM	7:26 AM	RC	Melting	Cloudy	10-15	0.00%	1	
x	22-Nov-23	09:12 AM	09:18 AM	CR	Melting	Overcast	5-10	0.00%	1	
	23-Nov-23								0	No Production
x	24-Nov-23	10:35 AM	10:41 AM	CR	Melting	Cloudy	5-10	0.00%	1	
x	25-Nov-23	01:25 PM	01:31 PM	TP	Melting	Clear	5-10	0.00%	1	
x	26-Nov-23	01:30 PM	01:36 PM	TP	Melting	Cloudy	5-10	0.00%	1	
x	27-Nov-23	10:10 AM	10:16 AM	RC	Melting	Cloudy	5-10	0.00%	1	
x	28-Nov-23	08:30 AM	08:36 AM	CR	Melting	P. Cloudy	5-10	0.00%	1	
x	29-Nov-23	12:20 PM	12:26 PM	CR	Melting	Clear	10-15	0.00%	1	
	30-Nov-23								1	No Daylight Operations
x	1-Dec-23	01:30 PM	01:36 PM	ZM	Melting	Cloudy	10-15	0.00%	1	
x	2-Dec-23	09:50 AM	09:56 AM	CR	Melting	Clear	5-10	0.00%	1	
x	3-Dec-23	10:40 AM	10:46 AM	MT	Melting	Clear	0-5	0.00%	1	
x	4-Dec-23	11:50 AM	11:56 AM	CR	Melting	Cloudy	10-15	0.00%	1	
x	5-Dec-23	11:40 AM	11:46 AM	RC	Melting	Sunny	15-20	0.00%	1	
x	6-Dec-23	09:20 AM	09:26 AM	CR	Melting	Sunny	0-5	0.00%	1	
	7-Dec-23								1	No Daylight Operations
x	8-Dec-23	11:12 AM	11:18 AM	RC	Melting	Cloudy	10-15	0.00%	1	
x	9-Dec-23	08:15 AM	08:21 AM	TP	Melting	Cloudy	5-10	0.00%	1	
x	10-Dec-23	01:50 PM	01:56 PM	TP	Melting	Sunny	5-10	0.00%	1	
	11-Dec-23								1	No Daylight Operations
x	12-Dec-23	09:10 AM	09:16 AM	CR	Melting	Clear	0-5	0.00%	1	
x	13-Dec-23	07:45 AM	07:51 AM	CR	Melting	Clear	5-10	0.00%	1	
x	14-Dec-23	12:40 PM	12:46 PM	CR	Melting	Clear	5-10	0.00%	1	
	15-Dec-23								1	No Daylight Operations
x	16-Dec-23	09:00 AM	09:06 AM	MT	Melting	Cloudy	5-10	0.00%	1	
x	17-Dec-23	11:40 AM	11:46 AM	MT	Melting	Cloudy	5-10	0.00%	1	
x	18-Dec-23	10:00 AM	10:06 AM	ZM	Melting	Sunny	10-15	0.00%	1	
x	19-Dec-23	10:20 AM	10:26 AM	RC	Melting	P. Cloudy	5-10	0.00%	1	
x	20-Dec-23	10:20 AM	10:26 AM	CR	Melting	Overcast	5-10	0.00%	1	
x	21-Dec-23	10:30 AM	10:36 AM	CR	Melting	Clear	5-10	0.00%	1	
x	22-Dec-23	07:35 AM	07:41 AM	RC	Melting	Sunny	0-5	0.00%	1	
x	23-Dec-23	01:40 PM	01:46 PM	TP	Melting	Cloudy	5-10	0.00%	1	
	24-Dec-23								0	No Production
	25-Dec-23								0	No Production
	26-Dec-23								0	No Production
	27-Dec-23								0	No Production
	28-Dec-23								0	No Production
	29-Dec-23								0	No Production
	30-Dec-23								0	No Production
	31-Dec-23								0	No Production

60

68

60 reading/68 production days - 100% production days monitored
8 - No Daylight Production
0 - No normal continuous run-maintenance issues throughout day

NFSS Step 10 Baghouse DP from 12/31/2022 2/1/2023

RECORDED DATE	VALUE, Inches W/C	Operating?
12 / 31 / 2022	0.08	YES
1 / 1 / 2023	0.08	NO
1 / 2 / 2023	0.08	YES
1 / 3 / 2023	0.08	YES
1 / 4 / 2023	0.08	YES
1 / 5 / 2023	0.08	YES
1 / 6 / 2023	0.08	NO
1 / 7 / 2023	0.08	NO
1 / 8 / 2023	0.07	NO
1 / 9 / 2023	0.07	NO
1 / 10 / 2023	0.08	NO
1 / 11 / 2023	0.12	YES
1 / 12 / 2023	0.43	YES
1 / 13 / 2023	0.51	YES
1 / 14 / 2023	0.50	YES
1 / 15 / 2023	0.51	YES
1 / 16 / 2023	0.41	YES
1 / 17 / 2023	0.51	YES
1 / 18 / 2023	0.51	YES
1 / 19 / 2023	0.50	YES
1 / 20 / 2023	0.51	YES
1 / 21 / 2023	0.51	YES
1 / 22 / 2023	0.51	YES
1 / 23 / 2023	0.43	YES
1 / 24 / 2023	0.51	YES
1 / 25 / 2023	0.49	YES
1 / 26 / 2023	0.45	YES
1 / 27 / 2023	0.39	YES
1 / 28 / 2023	0.51	YES
1 / 29 / 2023	0.51	YES
1 / 30 / 2023	0.49	YES
1 / 31 / 2023	0.51	YES

NFSS Step 10 Baghouse DP from 1/28/2023 3/1/2023

RECORDED DATE	VALUE, Inches W/C	Operating?
1 / 28 / 2023	0.51	YES
1 / 29 / 2023	0.51	YES
1 / 30 / 2023	0.49	YES
1 / 31 / 2023	0.51	YES
2 / 1 / 2023	0.51	YES
2 / 2 / 2023	0.50	YES
2 / 3 / 2023	0.45	YES
2 / 4 / 2023	0.51	YES
2 / 5 / 2023	0.51	YES
2 / 6 / 2023	0.24	YES
2 / 7 / 2023	0.29	YES
2 / 8 / 2023	0.51	YES
2 / 9 / 2023	0.51	YES
2 / 10 / 2023	0.51	YES
2 / 11 / 2023	0.39	YES
2 / 12 / 2023	0.22	YES
2 / 13 / 2023	0.21	YES
2 / 14 / 2023	0.51	YES
2 / 15 / 2023	0.51	YES
2 / 16 / 2023	0.51	YES
2 / 17 / 2023	0.50	YES
2 / 18 / 2023	0.49	YES
2 / 19 / 2023	0.51	YES
2 / 20 / 2023	0.20	YES
2 / 21 / 2023	0.08	NO
2 / 22 / 2023	0.20	YES
2 / 23 / 2023	0.32	YES
2 / 24 / 2023	0.31	YES
2 / 25 / 2023	0.08	YES
2 / 26 / 2023	0.08	NO
2 / 27 / 2023	0.08	NO
2 / 28 / 2023	0.08	NO

NFSS Step 10 Baghouse DP from 2/28/2023 4/1/2023

RECORDED DATE	VALUE, Inches W/C	Operating?
2 / 28 / 2023	0.09	NO
3 / 1 / 2023	0.08	NO
3 / 2 / 2023	0.08	NO
3 / 3 / 2023	0.08	NO
3 / 4 / 2023	0.08	NO
3 / 5 / 2023	0.08	NO
3 / 6 / 2023	0.08	NO
3 / 7 / 2023	0.08	NO
3 / 8 / 2023	0.29	YES
3 / 9 / 2023	0.35	YES
3 / 10 / 2023	0.50	YES
3 / 11 / 2023	0.39	YES
3 / 12 / 2023	0.46	YES
3 / 13 / 2023	0.07	NO
3 / 14 / 2023	0.07	NO
3 / 15 / 2023	0.07	NO
3 / 16 / 2023	0.03	NO
3 / 17 / 2023	0.04	NO
3 / 18 / 2023	0.07	NO
3 / 19 / 2023	0.07	NO
3 / 20 / 2023	0.07	NO
3 / 21 / 2023	0.07	NO
3 / 22 / 2023	0.08	NO
3 / 23 / 2023	0.09	NO
3 / 24 / 2023	0.09	NO
3 / 25 / 2023	0.08	NO
3 / 26 / 2023	0.08	NO
3 / 27 / 2023	0.08	NO
3 / 28 / 2023	0.25	YES
3 / 29 / 2023	0.25	YES
3 / 30 / 2023	0.08	NO
3 / 31 / 2023	0.37	YES

NFSS Step 10 Baghouse DP from 3/30/2023 5/1/2023

RECORDED DATE	VALUE, Inches W/C	Operating?
3 / 30 / 2023	0.09	NO
3 / 31 / 2023	0.35	YES
4 / 1 / 2023	0.28	YES
4 / 2 / 2023	0.41	YES
4 / 3 / 2023	0.41	YES
4 / 4 / 2023	0.49	YES
4 / 5 / 2023	0.48	YES
4 / 6 / 2023	0.51	YES
4 / 7 / 2023	0.50	YES
4 / 8 / 2023	0.50	YES
4 / 9 / 2023	0.16	YES
4 / 10 / 2023	0.00	NO
4 / 11 / 2023	0.29	YES
4 / 12 / 2023	0.51	YES
4 / 13 / 2023	0.28	YES
4 / 14 / 2023	0.11	YES
4 / 15 / 2023	0.11	YES
4 / 16 / 2023	0.19	YES
4 / 17 / 2023	0.49	YES
4 / 18 / 2023	0.51	YES
4 / 19 / 2023	0.50	YES
4 / 20 / 2023	0.43	YES
4 / 21 / 2023	0.50	YES
4 / 22 / 2023	0.48	YES
4 / 23 / 2023	0.51	YES
4 / 24 / 2023	0.51	YES
4 / 25 / 2023	0.51	YES
4 / 26 / 2023	0.50	YES
4 / 27 / 2023	0.29	YES
4 / 28 / 2023	0.44	YES
4 / 29 / 2023	0.51	YES
4 / 30 / 2023	0.51	YES

NFSS Step 10 Baghouse DP from 4/30/2023 6/1/2023

RECORDED DATE	VALUE, Inches W/C	Operating?
4 / 30 / 2023	0.51	YES
5 / 1 / 2023	0.44	YES
5 / 2 / 2023	0.51	YES
5 / 3 / 2023	0.51	YES
5 / 4 / 2023	0.49	YES
5 / 5 / 2023	0.51	YES
5 / 6 / 2023	0.49	YES
5 / 7 / 2023	0.48	YES
5 / 8 / 2023	0.28	YES
5 / 9 / 2023	0.37	YES
5 / 10 / 2023	0.51	YES
5 / 11 / 2023	0.31	YES
5 / 12 / 2023	0.85	YES
5 / 13 / 2023	7.25	YES
5 / 14 / 2023	1.31	YES
5 / 15 / 2023	0.00	NO
5 / 16 / 2023	1.01	YES
5 / 17 / 2023	3.67	YES
5 / 18 / 2023	1.40	YES
5 / 19 / 2023	0.13	YES
5 / 20 / 2023	0.00	NO
5 / 21 / 2023	0.00	NO
5 / 22 / 2023	4.35	YES
5 / 23 / 2023	3.71	YES
5 / 24 / 2023	1.47	YES
5 / 25 / 2023	1.35	YES
5 / 26 / 2023	2.25	YES
5 / 27 / 2023	3.46	YES
5 / 28 / 2023	3.99	YES
5 / 29 / 2023	2.24	YES
5 / 30 / 2023	0.25	YES
5 / 31 / 2023	9.43	YES

NFSS Step 10 Baghouse DP from 5/30/2023 7/1/2023

RECORDED DATE	VALUE, Inches W/C	Operating?
5 / 30 / 2023	0.33	YES
5 / 31 / 2023	9.43	YES
6 / 1 / 2023	2.86	YES
6 / 2 / 2023	3.20	YES
6 / 3 / 2023	0.00	NO
6 / 4 / 2023	0.00	NO
6 / 5 / 2023	0.00	NO
6 / 6 / 2023	0.00	NO
6 / 7 / 2023	0.00	NO
6 / 8 / 2023	0.00	NO
6 / 9 / 2023	0.00	NO
6 / 10 / 2023	0.00	NO
6 / 11 / 2023	0.00	NO
6 / 12 / 2023	0.00	NO
6 / 13 / 2023	0.00	NO
6 / 14 / 2023	0.86	YES
6 / 15 / 2023	0.83	YES
6 / 16 / 2023	0.52	YES
6 / 17 / 2023	0.00	NO
6 / 18 / 2023	1.37	YES
6 / 19 / 2023	3.20	YES
6 / 20 / 2023	4.74	YES
6 / 21 / 2023	3.03	YES
6 / 22 / 2023	1.89	YES
6 / 23 / 2023	3.36	YES
6 / 24 / 2023	3.12	YES
6 / 25 / 2023	0.26	YES
6 / 26 / 2023	0.00	NO
6 / 27 / 2023	0.00	NO
6 / 28 / 2023	0.32	YES
6 / 29 / 2023	0.00	NO
6 / 30 / 2023	0.00	NO

NFSS Step 10 Baghouse DP from 6/30/2023 8/1/2023

RECORDED DATE	VALUE, Inches W/C	Operating?
6 / 30 / 2023	0.00	NO
7 / 1 / 2023	0.00	NO
7 / 2 / 2023	0.00	NO
7 / 3 / 2023	0.50	YES
7 / 4 / 2023	1.45	YES
7 / 5 / 2023	3.25	YES
7 / 6 / 2023	2.71	YES
7 / 7 / 2023	0.00	NO
7 / 8 / 2023	3.60	YES
7 / 9 / 2023	0.44	YES
7 / 10 / 2023	0.00	NO
7 / 11 / 2023	0.00	NO
7 / 12 / 2023	0.00	NO
7 / 13 / 2023	0.00	NO
7 / 14 / 2023	4.50	YES
7 / 15 / 2023	16.58	YES
7 / 16 / 2023	19.92	YES
7 / 17 / 2023	7.44	YES
7 / 18 / 2023	3.82	YES
7 / 19 / 2023	5.75	YES
7 / 20 / 2023	2.53	YES
7 / 21 / 2023	2.74	YES
7 / 22 / 2023	6.62	YES
7 / 23 / 2023	14.86	YES
7 / 24 / 2023	1.72	YES
7 / 25 / 2023	8.25	YES
7 / 26 / 2023	5.66	YES
7 / 27 / 2023	14.98	YES
7 / 28 / 2023	0.00	NO
7 / 29 / 2023	0.00	NO
7 / 30 / 2023	4.92	YES
7 / 31 / 2023	9.30	YES

NFSS Step 10 Baghouse DP from 7/31/2023 9/1/2023

RECORDED DATE	VALUE, Inches W/C	Operating?
7 / 31 / 2023	7.91	YES
8 / 1 / 2023	6.45	YES
8 / 2 / 2023	2.25	YES
8 / 3 / 2023	0.62	YES
8 / 4 / 2023	1.69	YES
8 / 5 / 2023	0.60	YES
8 / 6 / 2023	2.51	YES
8 / 7 / 2023	2.43	YES
8 / 8 / 2023	2.78	YES
8 / 9 / 2023	2.76	YES
8 / 10 / 2023	2.46	YES
8 / 11 / 2023	2.86	YES
8 / 12 / 2023	5.01	YES
8 / 13 / 2023	5.77	YES
8 / 14 / 2023	10.65	YES
8 / 15 / 2023	2.36	YES
8 / 16 / 2023	2.03	YES
8 / 17 / 2023	0.93	YES
8 / 18 / 2023	2.42	YES
8 / 19 / 2023	1.52	YES
8 / 20 / 2023	0.83	YES
8 / 21 / 2023	1.97	YES
8 / 22 / 2023	3.10	YES
8 / 23 / 2023	3.40	YES
8 / 24 / 2023	2.88	YES
8 / 25 / 2023	3.39	YES
8 / 26 / 2023	4.57	YES
8 / 27 / 2023	8.03	YES
8 / 28 / 2023	11.42	YES
8 / 29 / 2023	9.16	YES
8 / 30 / 2023	3.61	YES
8 / 31 / 2023	2.94	YES

NFSS Step 10 Baghouse DP from 8/30/2023 10/1/2023

RECORDED DATE	VALUE, Inches W/C	Operating?
8 / 30 / 2023	3.16	YES
8 / 31 / 2023	2.94	YES
9 / 1 / 2023	7.67	YES
9 / 2 / 2023	6.60	YES
9 / 3 / 2023	11.65	YES
9 / 4 / 2023	0.00	NO
9 / 5 / 2023	2.67	YES
9 / 6 / 2023	0.00	NO
9 / 7 / 2023	0.00	NO
9 / 8 / 2023	0.08	YES
9 / 9 / 2023	5.77	YES
9 / 10 / 2023	15.13	YES
9 / 11 / 2023	8.03	YES
9 / 12 / 2023	11.86	YES
9 / 13 / 2023	13.78	YES
9 / 14 / 2023	5.78	YES
9 / 15 / 2023	4.37	YES
9 / 16 / 2023	4.21	YES
9 / 17 / 2023	10.69	YES
9 / 18 / 2023	11.76	YES
9 / 19 / 2023	13.31	YES
9 / 20 / 2023	14.37	YES
9 / 21 / 2023	15.31	YES
9 / 22 / 2023	15.78	YES
9 / 23 / 2023	16.32	YES
9 / 24 / 2023	9.53	YES
9 / 25 / 2023	6.10	YES
9 / 26 / 2023	2.78	YES
9 / 27 / 2023	4.35	YES
9 / 28 / 2023	2.81	YES
9 / 29 / 2023	3.85	YES
9 / 30 / 2023	5.61	YES

NFSS Step 10 Baghouse DP from 9/30/2023 11/1/2023

RECORDED DATE	VALUE, Inches W/C	Operating?
9 / 30 / 2023	6.19	YES
10 / 1 / 2023	6.23	YES
10 / 2 / 2023	3.39	YES
10 / 3 / 2023	6.45	YES
10 / 4 / 2023	7.68	YES
10 / 5 / 2023	1.79	NO
10 / 6 / 2023	0.00	NO
10 / 7 / 2023	1.30	NO
10 / 8 / 2023	1.60	NO
10 / 9 / 2023	11.10	YES
10 / 10 / 2023	7.22	YES
10 / 11 / 2023	12.19	YES
10 / 12 / 2023	1.10	NO
10 / 13 / 2023	3.37	YES
10 / 14 / 2023	3.32	YES
10 / 15 / 2023	15.82	YES
10 / 16 / 2023	14.82	YES
10 / 17 / 2023	11.59	NO
10 / 18 / 2023	2.58	NO
10 / 19 / 2023	0.00	NO
10 / 20 / 2023	0.00	NO
10 / 21 / 2023	7.21	YES
10 / 22 / 2023	13.62	YES
10 / 23 / 2023	16.90	YES
10 / 24 / 2023	15.69	YES
10 / 25 / 2023	0.00	NO
10 / 26 / 2023	0.00	NO
10 / 27 / 2023	4.79	NO
10 / 28 / 2023	2.13	NO
10 / 29 / 2023	13.91	YES
10 / 30 / 2023	13.19	YES
10 / 31 / 2023	16.94	YES

NFSS Step 10 Baghouse DP from 10/30/2023 12/1/2023

RECORDED DATE	VALUE, Inches W/C	Operating?
10 / 30 / 2023	14.98	YES
10 / 31 / 2023	16.94	YES
11 / 1 / 2023	17.53	YES
11 / 2 / 2023	12.03	YES
11 / 3 / 2023	7.35	YES
11 / 4 / 2023	8.61	NO
11 / 5 / 2023	14.96	YES
11 / 6 / 2023	17.48	YES
11 / 7 / 2023	15.97	YES
11 / 8 / 2023	15.82	YES
11 / 9 / 2023	5.59	YES
11 / 10 / 2023	1.98	NO
11 / 11 / 2023	12.76	YES
11 / 12 / 2023	16.03	YES
11 / 13 / 2023	15.58	YES
11 / 14 / 2023	9.98	NO
11 / 15 / 2023	7.79	NO
11 / 16 / 2023	7.34	NO
11 / 17 / 2023	10.91	YES
11 / 18 / 2023	4.74	NO
11 / 19 / 2023	3.85	NO
11 / 20 / 2023	14.92	YES
11 / 21 / 2023	12.83	YES
11 / 22 / 2023	9.95	NO
11 / 23 / 2023	2.05	NO
11 / 24 / 2023	0.00	NO
11 / 25 / 2023	8.24	YES
11 / 26 / 2023	15.64	YES
11 / 27 / 2023	6.23	YES
11 / 28 / 2023	13.71	YES
11 / 29 / 2023	12.65	NO
11 / 30 / 2023	9.22	YES

NFSS Step 10 Baghouse DP from 11/30/2023 1/1/2024

RECORDED DATE	VALUE, Inches W/C	Operating?
11 / 30 / 2023	9.32	YES
12 / 1 / 2023	12.25	YES
12 / 2 / 2023	8.54	YES
12 / 3 / 2023	9.64	YES
12 / 4 / 2023	2.76	NO
12 / 5 / 2023	10.49	YES
12 / 6 / 2023	12.03	YES
12 / 7 / 2023	5.33	YES
12 / 8 / 2023	1.45	YES
12 / 9 / 2023	1.98	YES
12 / 10 / 2023	0.00	NO
12 / 11 / 2023	0.00	NO
12 / 12 / 2023	0.00	NO
12 / 13 / 2023	0.00	NO
12 / 14 / 2023	0.00	NO
12 / 15 / 2023	0.00	NO
12 / 16 / 2023	0.00	NO
12 / 17 / 2023	0.00	NO
12 / 18 / 2023	0.00	NO
12 / 19 / 2023	0.00	NO
12 / 20 / 2023	0.00	NO
12 / 21 / 2023	3.00	NO
12 / 22 / 2023	3.22	YES
12 / 23 / 2023	7.23	YES
12 / 24 / 2023	1.41	NO
12 / 25 / 2023	0.00	NO
12 / 26 / 2023	3.79	YES
12 / 27 / 2023	10.84	YES
12 / 28 / 2023	6.20	YES
12 / 29 / 2023	7.69	YES
12 / 30 / 2023	7.73	YES
12 / 31 / 2023	9.08	YES

Log 16 Hours of Operation, 12 Month Total

Source # 11

*Cannot exceed more than 4,700 hours over any consecutive 12 month period.

[illegible]

*Cannot exceed more than 4,700 hours over any consecutive 12 month period.