

**Turnpike Mining Resource
DRMS Permit No. M-2004-009
Monitoring Well Groundwater Elevations**

Turnpike Monitoring Wells - Groundwater Elevation Readings																	
OW-1 (Schell)		DTW in Field (ft)	Stick-up (ft)	GW Depth (ft bgs)	GW Elevation (amsl)	OW-2 (Timmreck)		DTW in Field (ft)	Stick-up (ft)	GW Depth (ft bgs)	GW Elevation (amsl)	OW-3 (Anderson)		DTW in Field (ft)	Stick-up (ft)	GW Depth (ft bgs)	GW Elevation (amsl)
Surf. Elev. (amsl): Total Depth (ft bgs):	4943.0 22.0					Surf. Elev. (amsl): Total Depth (ft bgs):	4948.2 23.0					Surf. Elev. (amsl): Total Depth (ft bgs):	4950.0 24.0				
2014	11/5/2014	8.54	3.35	5.19	4937.81	2014	11/5/2014	5.20	3.20	2.00	4946.20	2014	11/5/2014	7.30	3.70	3.60	4946.40
	11/7/2014	8.24	3.35	4.89	4938.11		11/7/2014	5.20	3.20	2.00	4946.20		11/7/2014	7.30	3.70	3.60	4946.40
	11/14/2014	9.5	3.35	6.15	4936.85		11/14/2014	--	3.20	--	--		11/14/2014	--	3.70	--	--
	11/24/2014	10.5	3.35	7.15	4935.85		11/24/2014	--	3.20	--	--		11/24/2014	--	3.70	--	--
	12/1/2014	10.7	3.35	7.35	4935.65		12/1/2014	5.65	3.20	2.45	4945.75		12/1/2014	7.40	3.70	3.70	4946.30
2015	1/12/2015	11.55	3.35	8.20	4934.80	2015	1/12/2015	6.35	3.20	3.15	4945.05	2015	1/12/2015	7.70	3.70	4.00	4946.00
	1/23/2015	11.25	3.35	7.90	4935.10		1/23/2015	--	3.20	--	--		1/23/2015	--	3.70	--	--
	2/9/2015	10.35	3.35	7.00	4936.00		2/9/2015	6.55	3.20	3.35	4944.85		2/9/2015	--	3.70	--	--
	2/18/2015	10.6	3.35	7.25	4935.75		2/18/2015	6.55	3.20	3.35	4944.85		2/18/2015	--	3.70	--	--
	3/11/2015	9.85	3.35	6.50	4936.50		3/11/2015	6.55	3.20	3.35	4944.85		3/11/2015	--	3.70	--	--
	3/31/2015	9.6	3.35	6.25	4936.75		3/31/2015	6.60	3.20	3.40	4944.80		3/31/2015	--	3.70	--	--
	4/23/2015	9.5	3.35	6.15	4936.85		4/23/2015	6.30	3.20	3.10	4945.10		4/23/2015	7.50	3.70	3.80	4946.20
	6/24/2015	8.1	3.35	4.75	4938.25		6/24/2015	--	3.20	--	--		6/24/2015	--	3.70	--	--
	8/20/2015	9.0	3.35	5.65	4937.35		8/20/2015	6.40	3.20	--	--		8/20/2015	8.40	3.70	4.70	4945.30
	9/24/2015	9.55	3.35	6.20	4936.80		9/24/2015	--	3.20	--	--		9/24/2015	--	3.70	--	--
2016	10/27/2015	7.6	3.35	4.25	4938.75	2016	10/27/2015	4.80	3.20	--	--	2016	10/27/2015	8.00	3.70	4.30	4945.70
	2/26/2016	7.6	3.35	4.25	4938.75		2/26/2016	6.35	3.20	3.15	4945.05		2/26/2016	8.00	3.70	4.30	4945.70
	3/10/2016	9.2	3.35	5.85	4937.15		3/10/2016	--	3.20	--	--		3/10/2016	--	3.70	--	--
	4/28/2016	10.3	3.35	6.95	4936.05		4/28/2016	6.20	3.20	--	--		4/28/2016	7.60	3.70	3.90	4946.10
	6/17/2016	10.6	3.35	7.25	4935.75		6/17/2016	7.80	3.20	4.60	4943.60		6/17/2016	8.90	3.70	5.20	4944.80
	7/25/2016	8.3	3.35	4.95	4938.05		7/25/2016	7.20	3.20	4.00	4944.20		7/25/2016	9.20	3.70	5.50	4944.50
2017	10/5/2016	8.1	3.35	4.75	4938.25	2017	10/5/2016	12.00	3.20	8.80	4939.40	2017	10/5/2016	--	3.70	--	--
	1/4/2017	7.1	3.35	3.75	4939.25		1/4/2017	12.40	3.20	9.20	4939.00		1/4/2017	10.80	3.70	7.10	4942.90
	2/2/2017	7.4	3.35	4.05	4938.95		2/2/2017	13.30	3.20	10.10	4938.10		2/2/2017	--	3.70	--	--
	4/12/2017	8.65	3.35	5.30	4937.70		4/12/2017	--	3.20	--	--		4/12/2017	11.30	3.70	7.60	4942.40
2018	6/20/2017	6.7	3.35	3.35	4939.65	2018	6/20/2017	--	3.20	--	--	2018	6/20/2017	13.00	3.70	9.30	4940.70
	4/10/2018	17.15	3.35	13.80	4929.20		4/10/2018	6.45	3.20	3.25	4944.95		4/10/2018	8.62	3.70	4.92	4945.08
	5/14/2018	16.36	3.35	13.01	4929.99		5/14/2018	5.59	3.20	2.39	4945.81		5/14/2018	7.81	3.70	4.11	4945.89
	5/21/2018	16.82	3.35	13.47	4929.53		5/21/2018	5.76	3.20	2.56	4945.64		5/21/2018	8.01	3.70	4.31	4945.69
	6/19/2018	17.01	3.35	13.66	4929.34		6/19/2018	6.18	3.20	2.98	4945.22		6/19/2018	8.59	3.70	4.89	4945.11
	7/9/2018	16.64	3.35	13.29	4929.71		7/9/2018	6.29	3.20	3.09	4945.11		7/9/2018	9.09	3.70	5.39	4944.61
	9/17/2018	16.71	3.35	13.36	4929.64		9/17/2018	7.57	3.20	4.37	4943.83		9/17/2018	9.92	3.70	6.22	4943.78
	10/24/2018	17.04	3.35	13.69	4929.31		10/24/2018	7.11	3.20	3.91	4944.29		10/24/2018	9.38	3.70	5.68	4944.32
2019	11/27/2018	16.63	3.35	13.28	4929.72	2019	11/27/2018	6.63	3.20	3.43	4944.77	2019	11/27/2018	8.81	3.70	5.11	4944.89
	1/4/2019	16.47	3.35	13.12	4929.88		1/4/2019	6.35	3.20	3.15	4945.05		1/4/2019	8.49	3.70	4.79	4945.21
	2/1/2019	16.55	3.35	13.20	4929.80		2/1/2019	6.19	3.20	2.99	4945.21		2/1/2019	8.32	3.70	4.62	4945.38
	3/5/2019	16.45	3.35	13.10	4929.90		3/5/2019	6.21	3.20	3.01	4945.19		3/5/2019	8.21	3.70	4.51	4945.49
	4/1/2019	14.13	3.35	10.78	4932.22		4/1/2019	5.81	3.20	2.61	4945.59		4/1/2019	7.98	3.70	4.28	4945.72
	6/3/2019	10.00	3.35	6.65	4936.35		6/3/2019	5.35	3.20	2.15	4946.05		6/3/2019	7.79	3.70	4.09	4945.91
	7/5/2019	8.78	3.35	5.43	4937.57		7/5/2019	5.16	3.20	1.96	4946.24		7/5/2019	7.78	3.70	4.08	4945.92
	2020	8/1/2019	5.38	3.35	2.03		4940.97	Backfill of mine adjacent to OW-2 was completed by 4/2018. Required water level monitoring of every 2-months for 1 year following backfill adjacent to well (i.e., 4/2018 through 4/2019) was conducted through 7/2019. Required water level monitoring for OW-2 is complete.						Backfill of mine adjacent to OW-3 was completed by 4/2018. Required water level monitoring of every 2-months for 1 year following backfill adjacent to well (i.e., 4/2018 through 4/2019) was conducted through 7/2019. Required water level monitoring for OW-3 is complete.			
11/5/2019		4.44	3.35	1.09	4941.91												
3/12/2020		4.45	3.35	1.10	4941.90												
5/4/2020		4.40	3.35	1.05	4941.95												
2021	9/21/2020	4.98	3.35	1.63	4941.37												
	12/22/2020	5.23	3.35	1.88	4941.12												
	3/31/2021	4.87	3.35	1.52	4941.48												
	5/13/2021	4.38	3.35	1.03	4941.97												
Quarterly monitoring of OW-1 water levels required until backfill of mine adajcent to well is complete.																	