



## MINERAL CONCENTRATE SHIPLOADER Water Quality Monitoring Results (mg/L) – Monthly when discharge

October 2025																Comments
Sampled: N/A				Received: N/A				Posted: N/A								No discharge able to be sampled during monitoring period
EPL5 (STW3BDY)								EPL6 (STW2BDY)								
pH	TSS	Cu		pH		TSS		Cu Diss	pH	TSS		Cu		pH		
		Diss	Tot	Diss	Diss	Diss	Tot			Diss	Diss	Diss	Tot	Diss	Tot	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
September 2025																Comments
Sampled: 10/09/25				Received: 16/09/25				Posted: 17/09/25								
EPL5 (STW3BDY)								EPL6 (STW2BDY)								
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn		
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot	
7.32	29	0.09	0.3	0.02	0.26	0.44	0.87	6.8	<5	0.03	0.16	0.03	0.25	0.32	0.80	
August 2025																Comments
Sampled: 01/08/25				Received: 08/08/25				Posted: 08/08/25								
EPL5 (STW3BDY)								EPL6 (STW2BDY)								
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn		
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot	
6.8	28	0.04	0.23	0.04	0.49	1.27	1.76	6.9	<5	0.03	0.08	0.04	0.09	0.71	0.80	
July 2025																Comments
Sampled: N/A				Received: N/A				Posted: N/A								
EPL5 (STW3BDY)								EPL6 (STW2BDY)								
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn		
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot	
6.2	16	0.34	0.45	0.04	0.2	1.9	2.2	6.2	28	0.03	0.22	0.02	0.40	0.86	1.50	

## MINERAL CONCENTRATE SHIPLOADER Water Quality Monitoring Results (mg/L) – Monthly when discharge

June 2025															Comments	
Sampled: N/A					Received: N/A					Posted: N/A					No discharge able to be sampled during monitoring period	
EPL5 (STW3BDY)								EPL6 (STW2BDY)								
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn		
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss		Tot
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
May 2025															Comments	
Sampled: 20/05/25					Received: 04/06/25					Posted: 09/06/25						
EPL5 (STW3BDY)								EPL6 (STW2BDY)								
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn		
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss		Tot
6.7	6	0.06	0.11	0.02	0.07	0.79	0.85	6.5	24	0.21	0.62	0.04	0.47	3.15	3.60	
April 2025															Comments	
Sampled: 23/04/25					Received: 05/05/25					Posted: 08/05/25						
EPL5 (STW3BDY)								EPL6 (STW2BDY)								
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn		
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss		Tot
6.6	5	0.10	0.16	0.05	0.12	0.47	0.49	6.8	65	0.03	0.65	0.01	0.70	0.33	1.40	
March 2025															Comments	
Sampled: 31/03/25					Received: 16/04/25					Posted: 29/04/25					Cu total due to discharge from emergency cleaning of Tippler reporting to STW3BDY. No discharge to harbour and pit cleaned post sampling.	
EPL5 (STW3BDY)								EPL6 (STW2BDY)								
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn		
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss		Tot
6.8	11	0.09	3.98	0.07	0.48	0.87	1.12	6.7	6	0.08	0.09	0.03	0.09	0.65	0.65	

**MINERAL CONCENTRATE SHIPLOADER**  
**Water Quality Monitoring Results (mg/L) – Monthly when discharge**

<b>February 2025</b>															<b>Comments</b>		
<b>Sampled: 12/02/25</b>					<b>Received: 19/02/25</b>					<b>Posted: 19/02/25</b>							
<b>EPL5 (STW3BDY)</b>								<b>EPL6 (STW2BDY)</b>									
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn			
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot		
6.57	50	0.181	0.196	0.084	0.098	1.39	1.45	6.60	9	0.198	0.214	0.206	0.259	1.190	1.220		
<b>January 2025</b>															<b>Comments</b>		
<b>Sampled: 07/01/25</b>					<b>Received: 29/01/25</b>					<b>Posted: 05/02/25</b>							
<b>EPL5 (STW3BDY)</b>								<b>EPL6 (STW2BDY)</b>									
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn			
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot		
7.1	8	0.30	0.39	0.06	0.15	1.22	1.34	6.8	7	0.07	0.11	0.03	0.07	0.67	0.78		
<b>December 2024</b>															<b>Comments</b>		
<b>Sampled: 18/12/24</b>					<b>Received: 27/12/24</b>					<b>Posted: 14/01/25</b>							
<b>EPL5 (STW3BDY)</b>								<b>EPL6 (STW2BDY)</b>									
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn			
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot		
6.8	14	0.34	0.45	0.07	0.23	1.76	2.01	6.4	16	0.10	0.18	0.05	0.12	1.06	1.25		
<b>November 2024</b>															<b>Comments</b>		
<b>Sampled: 07/11/24</b>					<b>Received: 21/11/24</b>					<b>Posted: 06/12/24</b>							
<b>EPL5 (STW3BDY)</b>								<b>EPL6 (STW2BDY)</b>									
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn			
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot		
6.0	35	0.28	0.52	0.06	0.20	1.21	1.78	6.5	71	0.13	0.33	0.05	0.29	1.89	2.40		

## MINERAL CONCENTRATE SHIPLOADER Water Quality Monitoring Results (mg/L) – Monthly when discharge

October 2024															Comments	
Sampled: -					Received: -					Posted: -					No discharge able to be sampled during monitoring period	
EPL5 (STW3BDY)								EPL6 (STW2BDY)								
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn		
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss		Tot
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
September 2024															Comments	
Sampled: 26/09/2024					Received: 08/10/2024					Posted: 11/10/2024						
EPL5 (STW3BDY)								EPL6 (STW2BDY)								
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn		
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss		Tot
6.4	<5	0.13	0.18	0.04	0.11	0.96	1.04	7.0	<5	0.05	0.10	0.03	0.12	0.46	0.56	
August 2024															Comments	
Sampled: -					Received: -					Posted: -					No discharge able to be sampled during monitoring period	
EPL5 (STW3BDY)								EPL6 (STW2BDY)								
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn		
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss		Tot
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
July 2024															Comments	
Sampled: 26/07/2024					Received: 26/07/2024					Posted: 01/08/2024						
EPL5 (STW3BDY)								EPL6 (STW2BDY)								
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn		
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss		Tot
6.6	18	0.16	0.23	0.05	0.20	1.47	1.53	6.8	18	0.03	0.09	0.01	0.11	0.48	0.58	



**MINERAL CONCENTRATE SHIPLOADER**  
**Water Quality Monitoring Results (mg/L) – Monthly when discharge**

<b>February 2024</b>															<b>Comments</b>		
<b>Sampled: 14/02/2024</b>					<b>Received: 20/03/24</b>					<b>Posted: 21/03/24</b>							
<b>EPL5 (STW3BDY)</b>								<b>EPL6 (STW2BDY)</b>									
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn			
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot		
6.1	20	0.16	0.28	0.04	0.22	1.55	1.86	6.1	<5	0.11	0.13	0.09	0.15	0.93	1.02		
<b>January 2024</b>															<b>Comments</b>		
<b>Sampled: 31/01/2024</b>					<b>Received: 22/02/24</b>					<b>Posted: 01/03/24</b>							
<b>EPL5 (STW3BDY)</b>								<b>EPL6 (STW2BDY)</b>									
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn			
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot		
7.0	<5	0.06	0.11	0.03	0.09	0.39	0.43	7.3	<5	0.29	0.34	0.07	0.14	0.76	0.78		
<b>December 2023</b>															<b>Comments</b>		
<b>Sampled: 20/12/2023</b>					<b>Received: 23/01/24</b>					<b>Posted: 23/01/24</b>							
<b>EPL5 (STW3BDY)</b>								<b>EPL6 (STW2BDY)</b>									
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn			
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot		
6.7	7	0.42	0.55	0.09	0.30	1.30	1.41	6.8	<5	0.08	0.10	0.03	0.09	1.04	1.02		
<b>November 2023</b>															<b>Comments</b>		
<b>Sampled: 05/11/2023</b>					<b>Received: 29/10/23</b>					<b>Posted: 29/11/23</b>							
<b>EPL5 (STW3BDY)</b>								<b>EPL6 (STW2BDY)</b>									
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn			
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot		
6.5	26	0.21	0.41	0.05	0.32	0.81	1.05	6.3	27	0.07	0.25	0.02	0.27	0.39	0.55		



**MINERAL CONCENTRATE SHIPLOADER**  
**Water Quality Monitoring Results (mg/L) – Monthly when discharge**

June 2023																Comments	
Sampled: 23/06/2023				Received: 14/07/23				Posted: 25/07/23									
EPL5 (STW3BDY)								EPL6 (STW2BDY)									
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn			
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot		
7.1	43	0.19	0.48	0.02	0.47	1.40	1.70	7.3	41	0.11	0.39	0.04	0.51	0.85	1.09		
May 2023																Comments	
Sampled: 17/05/2023				Received: 15/06/23				Posted: 16/06/23									
EPL5 (STW3BDY)								EPL6 (STW2BDY)									
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn			
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot		
6.8	<5	0.20	0.27	0.08	0.19	1.67	1.74	7.0	19	0.07	0.18	0.01	0.16	0.86	0.97		
April 2023																Comments	
Sampled: 20/04/2023				Received: 26/05/23				Posted: 16/06/23									
EPL5 (STW3BDY)								EPL6 (STW2BDY)									
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn			
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot		
6.5	23	0.22	0.46	0.07	0.83	1.22	1.69	6.6	<5	0.03	0.06	0.03	0.09	0.49	0.57		
March 2023																Comments	
Sampled: 14/03/2022				Received: 01/05/23				Posted: 16/06/23									
EPL5 (STW3BDY)								EPL6 (STW2BDY)									
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn			
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot		
6.5	11	0.15	0.24	0.02	0.11	0.57	0.70	7.2	<5	0.05	0.08	0.01	0.05	0.37	0.43		

## MINERAL CONCENTRATE SHIPLOADER Water Quality Monitoring Results (mg/L) – Monthly when discharge

<b>February 2023</b>															<b>Comments</b>				
<b>Sampled: 14/02/2023</b>					<b>Received: 24/02/23</b>					<b>Posted: 27/02/23</b>									
<b>EPL5 (STW3BDY)</b>								<b>EPL6 (STW2BDY)</b>											
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn					
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot				
6.8	<5	0.43	0.52	0.03	0.07	0.97	1.04	7.0	23	0.06	0.17	0.01	0.21	0.52	0.74				
<b>January 2023</b>															<b>Comments</b>				
<b>Sampled: 30/01/2023</b>					<b>Received: 24/02/23</b>					<b>Posted: 27/02/23</b>									
<b>EPL5 (STW3BDY)</b>								<b>EPL6 (STW2BDY)</b>											
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn					
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot				
7.0	35	0.06	0.57	0.02	0.29	0.50	0.91	7.1	<5	0.05	0.07	0.02	0.06	0.32	0.32				
<b>December 2022</b>															<b>Comments</b>				
<b>Sampled: 01/12/2022</b>					<b>Received: 18/01/23</b>					<b>Posted: 25/01/23</b>									
<b>EPL5 (STW3BDY)</b>								<b>EPL6 (STW2BDY)</b>								No discharge during monitoring period			
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn					
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot				
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
<b>November 2022</b>															<b>Comments</b>				
<b>Sampled: 13/11/2022</b>					<b>Received: 23/12/22</b>					<b>Posted: 23/12/22</b>									
<b>EPL5 (STW3BDY)</b>								<b>EPL6 (STW2BDY)</b>											
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn					
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot				
7.1	5	0.06	0.12	0.02	0.09	0.46	0.61	7.0	6	0.05	0.09	0.01	0.04	0.42	0.52				

**MINERAL CONCENTRATE SHIPLOADER**  
**Water Quality Monitoring Results (mg/L) – Monthly when discharge**

October 2022															Comments	
Sampled: NA					Received: 30/11/22					Posted: 08/12/22					No discharge during monitoring period	
EPL5 (STW3BDY)								EPL6 (STW2BDY)								
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn		
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
September 2022															Comments	
Sampled: NA					Received: 25/10/22					Posted: 25/10/22					No discharge during monitoring period	
EPL5 (STW3BDY)								EPL6 (STW2BDY)								
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn		
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
August 2022															Comments	
Sampled: 23/08/2022					Received: 21/09/2022					Posted: 23/09/2022					None	
EPL5 (STW3BDY)								EPL6 (STW2BDY)								
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn		
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot	
7.0	18	0.31	0.41	0.03	0.14	1.52	1.69	7.0	7	0.65	0.73	0.13	0.25	2.80	2.81	
July 2022															Comments	
Sampled: 05/07/2022					Received: 26/07/2022					Posted: 27/07/2022					None	
EPL5 (STW3BDY)								EPL6 (STW2BDY)								
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn		
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot	
7.5	10	0.26	0.62	0.03	0.16	2.22	2.90	6.6	22	0.02	0.17	0.01	0.15	0.30	0.48	

**MINERAL CONCENTRATE SHIPLOADER**  
**Water Quality Monitoring Results (mg/L) – Monthly when discharge**

<b>June 2022</b>																<b>Comments</b>
<b>Sampled: 27/06/2022</b>				<b>Received: 07/07/2022</b>				<b>Posted: 27/07/2022</b>				None				
<b>EPL5 (STW3BDY)</b>								<b>EPL6 (STW2BDY)</b>								
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu			Pb		Zn	
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot		Diss	Tot	Diss	Tot
7.0	30	0.08	0.22	0.01	0.17	0.80	1.04	6.9	64	0.06	0.34	0.01	0.25	0.44	0.72	
<b>May 2022</b>																<b>Comments</b>
<b>Sampled: 23/05/2022</b>				<b>Received: 16/06/2022</b>				<b>Posted: 16/06/2022</b>				None				
<b>EPL5 (STW3BDY)</b>								<b>EPL6 (STW2BDY)</b>								
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu			Pb		Zn	
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot		Diss	Tot	Diss	Tot
7.0	<5	0.11	0.13	0.03	0.07	0.78	0.83	7.2	<5	0.09	0.12	0.03	0.03	0.26	0.28	
<b>April 2022</b>																<b>Comments</b>
<b>Sampled: 24/04/2022</b>				<b>Received: 11/05/2022</b>				<b>Posted: 12/05/2022</b>				None				
<b>EPL5 (STW3BDY)</b>								<b>EPL6 (STW2BDY)</b>								
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu			Pb		Zn	
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot		Diss	Tot	Diss	Tot
6.9	6	0.05	0.17	0.02	0.08	1.46	1.63	6.8	<5	0.02	0.06	0.02	0.05	0.21	0.24	
<b>March 2022</b>																<b>Comments</b>
<b>Sampled: 03/03/2022</b>				<b>Received: 24/03/2022</b>				<b>Posted: 25/03/2022</b>				None				
<b>EPL5 (STW3BDY)</b>								<b>EPL6 (STW2BDY)</b>								
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu			Pb		Zn	
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot		Diss	Tot	Diss	Tot
7.1	10	0.49	0.64	0.07	0.23	1.84	2.04	7.7	11	0.03	0.08	0.05	0.13	0.29	0.40	

**MINERAL CONCENTRATE SHIPLOADER**  
**Water Quality Monitoring Results (mg/L) – Monthly when discharge**

February 2022															Comments
Sampled: 02/02/2022					Received: 22/02/2022					Posted: 23/02/2022					None
EPL5 (STW3BDY)							EPL6 (STW2BDY)								
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn	
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot
8.0	<5	0.09	0.16	0.03	0.10	1.26	1.36	7.1	<5	0.02	0.03	0.03	0.05	0.29	0.30
January 2022															Comments
Sampled: 19/01/2022					Received: 02/02/2022					Posted: 03/02/2022					None
EPL5 (STW3BDY)							EPL6 (STW2BDY)								
pH	TSS	Cu		Pb		Zn		pH	TSS	Cu		Pb		Zn	
		Diss	Tot	Diss	Tot	Diss	Tot			Diss	Tot	Diss	Tot	Diss	Tot
6.6	24	0.26	0.24	0.02	0.11	0.60	0.50	6.9	18	0.01	0.04	0.02	0.14	0.16	0.28