

# Jackfish WL MV2019L1-0001 Surveillance Network Program Monthly Data Monitoring

May, 2022

## Water Circulated for Plant Cooling

	Cat Plant Water Used (m <sup>3</sup> )	EMD Plant Water Used (m <sup>3</sup> )	K Plant Water Used (m <sup>3</sup> )	Total Water Used (m <sup>3</sup> )
2022-05-01	2,132	8,807	5,736	<b>16,675</b>
2022-05-02	1,884	8,799	5,731	<b>16,415</b>
2022-05-03	2,513	8,786	5,731	<b>17,030</b>
2022-05-04	2,840	8,781	5,730	<b>17,351</b>
2022-05-05	2,429	8,783	5,729	<b>16,940</b>
2022-05-06	2,472	8,785	5,723	<b>16,981</b>
2022-05-07	2,559	8,785	5,718	<b>17,062</b>
2022-05-08	2,557	8,792	5,714	<b>17,063</b>
2022-05-09	2,552	8,793	5,714	<b>17,059</b>
2022-05-10	2,548	8,795	5,708	<b>17,051</b>
2022-05-11	2,542	8,803	5,695	<b>17,040</b>
2022-05-12	2,511	8,800	5,666	<b>16,977</b>
2022-05-13	2,458	8,786	5,638	<b>16,882</b>
2022-05-14	2,425	8,779	5,628	<b>16,832</b>
2022-05-15	2,355	8,778	5,624	<b>16,757</b>
2022-05-16	2,337	8,775	5,624	<b>16,735</b>
2022-05-17	2,330	8,774	5,625	<b>16,729</b>
2022-05-18	2,337	8,776	5,629	<b>16,741</b>
2022-05-19	2,348	8,783	5,635	<b>16,766</b>
2022-05-20	2,404	8,788	5,643	<b>16,835</b>
2022-05-21	2,421	8,784	5,649	<b>16,854</b>
2022-05-22	2,400	8,785	5,654	<b>16,839</b>
2022-05-23	2,393	8,790	5,662	<b>16,845</b>
2022-05-24	2,373	8,791	5,665	<b>16,829</b>
2022-05-25	2,360	8,790	5,671	<b>16,821</b>
2022-05-26	2,433	8,790	5,673	<b>16,896</b>
2022-05-27	2,508	8,791	5,678	<b>16,977</b>
2022-05-28	2,506	8,794	5,676	<b>16,976</b>
2022-05-29	2,512	8,798	5,679	<b>16,989</b>
2022-05-30	2,514	8,804	5,680	<b>16,998</b>
2022-05-31	2,486	8,803	5,684	<b>16,973</b>
<b>Total</b>	<b>75,437</b>	<b>272,466</b>	<b>176,014</b>	<b>523,918</b>

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May, 2022

	Intake Water Temperatures			Discharge Water Temperatures			
	Cat Plant Intake (°C)	EMD Plant Intake (°C)	K Plant Intake (°C)	Average	Cat Plant Discharge (°C)	EMD Plant Discharge (°C)	K Plant Discharge (°C)
				Intake Temperature (°C)			
2022-05-01	1.9	1.3	1.9	<b>1.8</b>	1.6	1.7	1.7
2022-05-02	1.9	1.3	1.9	<b>1.8</b>	2.0	1.7	1.7
2022-05-03	1.9	1.3	1.9	<b>1.8</b>	2.0	1.7	1.6
2022-05-04	1.9	1.3	1.9	<b>1.8</b>	1.5	1.7	1.6
2022-05-05	1.9	1.4	2.0	<b>1.8</b>	1.5	1.7	1.8
2022-05-06	1.9	1.4	2.0	<b>1.8</b>	1.5	1.7	1.8
2022-05-07	2.0	1.4	2.0	<b>1.9</b>	1.6	1.7	1.7
2022-05-08	1.9	1.4	2.0	<b>1.8</b>	1.5	1.7	1.7
2022-05-09	1.9	1.3	2.0	<b>1.8</b>	1.5	1.7	1.7
2022-05-10	1.9	1.3	1.9	<b>1.8</b>	1.5	1.7	1.7
2022-05-11	2.0	1.4	2.1	<b>1.9</b>	1.6	1.8	1.8
2022-05-12	2.1	1.6	2.3	<b>2.1</b>	1.8	2.0	2.0
2022-05-13	2.2	1.7	2.3	<b>2.1</b>	1.8	2.0	2.1
2022-05-14	2.2	1.8	2.4	<b>2.2</b>	1.9	2.1	2.1
2022-05-15	2.6	2.0	2.6	<b>2.5</b>	2.2	2.3	2.4
2022-05-16	2.8	2.2	2.7	<b>2.7</b>	2.5	2.6	2.4
2022-05-17	3.0	2.5	3.0	<b>2.9</b>	2.7	2.8	2.8
2022-05-18	3.0	2.5	3.1	<b>2.9</b>	2.6	2.9	2.8
2022-05-19	3.5	2.9	3.4	<b>3.4</b>	3.1	3.3	3.1
2022-05-20	4.0	3.5	4.0	<b>3.9</b>	3.6	3.8	3.8
2022-05-21	4.8	4.1	4.8	<b>4.6</b>	4.4	4.5	4.5
2022-05-22	4.9	4.3	4.9	<b>4.8</b>	4.5	4.7	4.7
2022-05-23	5.2	4.5	5.2	<b>5.1</b>	4.8	4.9	4.9
2022-05-24	5.9	5.1	5.8	<b>5.7</b>	5.5	5.4	5.5
2022-05-25	6.3	5.5	6.5	<b>6.2</b>	5.9	5.9	6.2
2022-05-26	6.9	5.8	7.2	<b>6.8</b>	6.5	6.2	6.9
2022-05-27	7.9	6.6	8.2	<b>7.7</b>	7.4	6.9	7.9
2022-05-28	7.8	6.6	8.1	<b>7.6</b>	7.3	6.9	7.9
2022-05-29	8.9	7.8	8.9	<b>8.7</b>	8.4	8.2	8.6
2022-05-30	9.5	8.3	9.9	<b>9.3</b>	9.0	8.7	9.6
2022-05-31	10.3	8.6	11.0	<b>10.1</b>	9.8	9.0	10.8
<b>Total</b>	4.0	3.3	4.1	<b>3.9</b>	3.7	3.7	3.9

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May, 2022

Temperature Change (Discharge - Intake)			
	Cat Plant	EMD Plant	K Plant
	Temperature Difference (°C)	Temperature Difference (°C)	Temperature Difference (°C)
2022-05-01	-0.3	0.4	-0.3
2022-05-02	0.1	0.3	-0.3
2022-05-03	0.1	0.3	-0.3
2022-05-04	-0.4	0.4	-0.2
2022-05-05	-0.4	0.3	-0.3
2022-05-06	-0.4	0.3	-0.3
2022-05-07	-0.4	0.3	-0.2
2022-05-08	-0.4	0.3	-0.2
2022-05-09	-0.4	0.3	-0.2
2022-05-10	-0.4	0.3	-0.2
2022-05-11	-0.4	0.4	-0.2
2022-05-12	-0.4	0.3	-0.3
2022-05-13	-0.4	0.4	-0.3
2022-05-14	-0.3	0.4	-0.3
2022-05-15	-0.3	0.3	-0.3
2022-05-16	-0.4	0.3	-0.3
2022-05-17	-0.4	0.3	-0.3
2022-05-18	-0.4	0.3	-0.3
2022-05-19	-0.4	0.3	-0.3
2022-05-20	-0.4	0.3	-0.3
2022-05-21	-0.4	0.3	-0.3
2022-05-22	-0.4	0.3	-0.3
2022-05-23	-0.4	0.3	-0.3
2022-05-24	-0.4	0.3	-0.3
2022-05-25	-0.4	0.3	-0.3
2022-05-26	-0.4	0.3	-0.3
2022-05-27	-0.5	0.3	-0.3
2022-05-28	-0.5	0.3	-0.3
2022-05-29	-0.5	0.3	-0.3
2022-05-30	-0.5	0.3	-0.3
2022-05-31	-0.5	0.3	-0.3
<b>Total</b>	<b>-0.4</b>	<b>0.3</b>	<b>-0.3</b>

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