

U.S. Army Corps of Engineers - Little Rock District  
 Pertinent Data File  
 for the 2023 Low Dissolved Oxygen (DO) Season

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- 18May - All water quality gages installed.
- 12Jun - AGFC deployed several temperature probes to monitor conditions in the Norfolk tailwater.
- 16Jun - June water quality profiles delivered.
- 2022 I.D.O. VS 2023 I.D.O
- |               |           |      |    |      |           |
|---------------|-----------|------|----|------|-----------|
| Beaver:       | 23Jun2022 | 7.87 | VS | 7.29 | 12Jun2023 |
| Table Rock:   | 23Jun2022 | 5.79 | VS | 6.45 | 12Jun2023 |
| Bull Shoals:  | 23Jun2022 | 7.60 | VS | 6.89 | 14Jun2023 |
| Norfolk:      | 22Jun2022 | 7.32 | VS | 5.88 | 13Jun2023 |
| Greers Ferry: | 23Jun2022 | 7.51 | VS | 6.77 | 14Jun2023 |
- 26Jun - Table Rock vents open.
- 27Jul - Greers Ferry vents open.
- 31Jul - Table Rock RMGR 90% nameplate (180 MW) without injection
- 01Aug - July water quality profiles delivered.
- 2022 I.D.O. VS 2023 I.D.O
- |              |           |      |    |      |           |
|--------------|-----------|------|----|------|-----------|
| Table Rock:  | 27Jul2022 | 4.11 | VS | 3.76 | 27Jul2023 |
| Bull Shoals: | 27Jul2022 | 4.98 | VS | 4.46 | 26Jul2023 |
| Norfolk:     | 26Jul2022 | 3.20 | VS | 3.61 | 26Jul2023 |
- 08Aug - Bull Shoals vents open.
- 09Aug - Table Rock RMGR 84% nameplate (168 MW) without injection
- 10Aug - 16.2 tons of LOx delivered to Table Rock (16.2 tons on hand).
- 11Aug - 23.4 tons of LOx delivered to Table Rock (39.6 tons on hand).
- 11Aug - LOX system at Table Rock tested between 1330 and 1345. SWPA instructed a 200 MW test run with and without LOX injection.
- 14Aug - 42.8 tons of LOx delivered to Table Rock (82.4 tons on hand).
- 15Aug - 3.4 tons of LOx used (79.1 tons on hand).
- 21Aug - 19.3 tons of LOx used
- 22Aug - 15.9 tons of LOx used (40.4 tons on hand).
- 23Aug - 14.8 tons of LOx used (25.6 tons on hand).
- 24Aug - 22.0 tons of LOx delivered.
- 24Aug - Table Rock RMGR 76% nameplate (152 MW) without injection
- 24Aug - 30.1 tons used (17.5 tons on hand)
- 25Aug - 31.3 tons of LOx delivered (48.8 tons on hand)
- 28Aug - Table Rock RMGR 72% nameplate (144 MW) without injection
- 28Aug - August water quality profiles delivered.
- 2022 I.D.O. VS 2023 I.D.O
- |              |           |      |    |      |           |
|--------------|-----------|------|----|------|-----------|
| Table Rock:  | 25Aug2022 | 1.42 | VS | 1.47 | 24Aug2023 |
| Bull Shoals: | 25Aug2022 | 3.47 | VS | 3.15 | 21Aug2023 |
| Norfolk:     | 24Aug2022 | 0.77 | VS | 1.58 | 21Aug2023 |
- 29Aug - 21.4 tons of LOx delivered (72.3 tons on hand)
- 06Sep - Table Rock RMGR 64% nameplate (128 MW) without injection
- 06Sep - 24.1 tons of LOx delivered (95.7 tons on hand)
- 06Sep - 6.6 tons of LOx used (89.2 tons on hand)
- 07Sep - 14.5 tons of LOx used (74.6 tons on hand)
- 08Sep - 14.1 tons of LOx used (60.6 tons on hand)
- 12Sep - 19.4 tons of LOx delivered (79.8 tons on hand)
- 12Sep - 4.3 tons of LOx used (75.6 tons on hand)
- 15Sep - 12.4 tons of LOx used (63.2 tons on hand)
- 18Sep - 1.5 tons used (55.5 tons on hand)

19Sep - Table Rock RMGR 60% nameplate (120 MW) without injection  
19Sep - 12.1 tons used (43.4 tons on hand)  
20Sep - 21.3 tons delivered (66.5 tons on hand)  
20Sep - 8.9 tons used (57.7 tons on hand)  
21Sep - 7.1 tons used (50.6 tons on hand)  
22Sep - 23.7 tons delivered (74.5 tons on hand)  
24Sep - 3.4 tons used (71.1 tons on hand)  
25Sep - 2.1 tons used (69.0 tons on hand)  
26Sep - 10.7 tons used (58.3 tons on hand)  
26Sep - September water quality profiles delivered.  
  2022 I.D.O. VS 2023 I.D.O  
        Table Rock:      22Sep2022 0.41 VS 0.00 21Sep2023  
        Bull Shoals:    20Sep2022 2.05 VS 1.17 20Sep2023  
        Norfolk:       20Sep2022 0.00 VS 0.20 20Sep2023  
27Sep - 21.5 tons of LOx delivered (79.8 tons on hand)  
27Sep - 8.6 tons of LOx used (71.3 tons on hand)  
28Sep - 6.2 tons of LOx used (65.2 tons on hand)  
29Sep - 7.4 tons of LOx used (57.8 tons on hand)  
01Oct - 7.6 tons of LOx used (50.2 tons on hand)  
02Oct - 10.8 tons of LOx used (39.4 tons on hand)  
03Oct - 1.5 tons of LOx used (37.9 tons on hand)  
04Oct - 23.5 tons of LOx delivered  
04Oct - 6.1 tons of LOx used (55.2 tons on hand)  
05Oct - 23.1 tons of LOx delivered (78.3 tons on hand)  
09Oct - 6.5 tons of LOx used (73.9 tons on hand)  
11Oct - 1.1 tons of LOx used (72.8 tons on hand)  
16Oct - Table Rock RMGR 50% nameplate (100 MW) without injection  
16Oct - 8.1 tons of LOx used (64.7 tons on hand)  
17Oct - Beaver vents open.  
17Oct - 25.8 tons of LOx used for morning generation (38.9 tons on hand)  
17Oct - 8.1 tons of LOx used for evening generation (30.8 tons on hand)  
18Oct - 7.1 tons of LOx used (23.7 tons on hand)  
19Oct - 25.4 tons of LOx delivered (49.1 tons on hand)  
19Oct - 5.5 tons of LOx used (43.6 tons on hand)  
20Oct - 21.7 tons of LOx delivered (63.6 tons on hand)  
20Oct - 13.3 tons of LOx used (50.3 tons on hand)  
23Oct - Table Rock RMGR without LOx 45% nameplate (2 at 20 MW, 2 at 25 MW)  
25Oct - Bull Shoals RMGR 90% nameplate  
25Oct - 23.6 tons of LOx delivered (73.9 tons on hand)  
27Oct - October water quality profiles delivered.  
  2022 I.D.O. VS 2023 I.D.O  
        Table Rock:      27Oct2022 0.32 VS 0.00 26Oct2023  
        Bull Shoals:    26Oct2022 1.53 VS 0.19 25Oct2023  
        Norfolk:       26Oct2022 1.30 VS 0.02 25Oct2023  
30Oct - 40.1 tons of LOx used (33.8 tons remaining)  
30Oct - Table Rock RMGR with LOX 75% nameplate prior to 9 am (150 MW) and 95%  
nameplate (190 MW) after 9 am  
31Oct - 22.9 tons of LOx delivered (56.7 tons on hand)  
31Oct - 20.5 tons of LOx used (36.3 tons remaining)  
01Nov - 16.2 tons of LOx used (20.1 tons remaining)  
01Nov - 14.5 tons of LOx delivered (34.6 tons on hand)  
02Nov - 9.2 tons of LOx used (25.4 tons on hand)  
02Nov - 22.2 tons of LOx delivered (47.6 tons on hand)

03Nov - 26 tons of LOx delivered (73.6 tons on hand)  
06Nov - 6 tons of LOx used (67.6 tons on hand)  
07Nov - 8.4 tons of LOx used (59.2 tons on hand)  
09Nov - 14.4 tons of LOx used (44.8 tons on hand)  
10Nov - 7.8 tons of LOx used (37.0 tons on hand)  
10Nov - 22.5 tons of LOx delivered (59.5 tons on hand)  
13Nov - 9.6 tons of LOx used (49.9 tons on hand)  
14Nov - Table Rock RMGR 50% nameplate (100 MW) without injection  
15Nov - 10.9 tons of LOx used (39.0 tons on hand)  
15Nov - 22.3 tons of LOx delivered (61.3 tons on hand)  
17Nov - 19.8 tons of LOx used (41.5 tons on hand)  
22Nov - 3.3 tons of LOx used (38.2 tons on hand)  
24Nov - 24.2 tons of LOx delivered (62.4 tons on hand)  
28Nov - Table Rock RMGR without LOx 76% nameplate (38 MW per unit)  
28Nov - Table Rock RMGR with LOX injection lifted  
29Nov - Bull Shoals RMGR lifted  
29Nov - 1.1 tons of LOx used (61.3 tons on hand)  
30Nov - 2.3 tons of LOx used (59.0 tons on hand)  
01Dec - 1.2 tons of LOx used (57.8 tons on hand)  
11Dec - Table Rock RMGR without LOx 84% nameplate (42 MW per unit)  
19Dec - Table Rock RMGR without LOx injection lifted  
20Dec - Beaver vents closed  
28Dec - Bull Shoals vents closed  
28Dec - Table Rock vents closed  
28Dec - Greers Ferry vents closed