

U.S. Army Corps of Engineers - Little Rock District
Pertinent Data File
for the 2021 Low Dissolved Oxygen (DO) Season

13May - All water quality gages are installed.

01Jul - June profiles delivered.

2021 I.D.O. VS 2020 I.D.O

Beaver: 23Jun2021 7.70 VS 7.60 22Jun2020

Table Rock: 22Jun2021 6.36 VS 5.46 23Jun2020

Bull Shoals: 21Jun2021 7.67 VS 7.82 23Jun2020

Norfork: 22Jun2021 6.95 VS 5.55 24Jun2020

Greers Ferry: 25Jun2021 8.58 VS 7.04 25Jun2020

02Jul - Table Rock vents open.

08Jul - Norfork vents open.

21Jul - 37.9 tons LOX on hand.

02Aug - July profiles delivered.

2021 I.D.O. VS 2020 I.D.O

Table Rock: 27Jul2021 4.04 VS 2.36 04Aug2020

Bull Shoals: 27Jul2021 6.17 VS 6.03 28Jul2020

Norfork: 28Jul2021 3.78 VS 2.66 28Jul2020

11Aug - Greers Ferry vents open.

12Aug - Norfork RMGR 95% nameplate (76 MW)

16Aug - Norfork RMGR 90% nameplate (72 MW)

17Aug - Table Rock RMGR 90% nameplate (180 MW) without LOX injection

18Aug - Norfork RMGR 85% nameplate (68 MW)

19Aug - Beaver vents open.

23Aug - Norfork RMGR 80% nameplate (64 MW)

23Aug - Norfork RMGR 75% nameplate (60 MW)

25Aug - Bull Shoals vents open.

27Aug - Norfork RMGR 70% nameplate (56 MW)

27Aug - Table Rock RMGR 85% nameplate (170 MW) without LOX injection

27Aug - August profiles delivered.

2021 I.D.O. VS 2020 I.D.O

Table Rock: 24Aug2021 2.68 VS 1.42 25Aug2020

Bull Shoals: 24Aug2021 4.59 VS 3.93 26Aug2020

Norfork: 25Aug2021 1.20 VS 0.97 26Aug2020

30Aug - Norfork RMGR 67.5% nameplate (54 MW)

31Aug - Norfork siphon set to run continuously. RMGR increased to 75% nameplate.

08Sep - Table Rock RMGR 80% nameplate (160 MW) without LOX injection

10Sep - Table Rock RMGR 76% nameplate (152 MW) without LOX injection

13Sep - Norfork RMGR 70% nameplate (56 MW)

16Sep - Table Rock RMGR 66% nameplate (33 MW per unit)

20Sep - Norfork RMGR 65% nameplate (52 MW)

23Sep - September profiles delivered.

2021 I.D.O. VS 2020 I.D.O

Table Rock: 20Sep2021 1.12 VS 1.42 22Sep2020

Bull Shoals: 20Sep2021 2.53 VS 1.70 23Sep2020

Norfork: 20Sep2021 0.01 VS 0.02 12Sep2020

27Sep - 78.9 tons LOx on hand

28Sep - 4.1 tons LOx injected in past 24 hrs; 75.6 tons on hand

30Sep - Norfork RMGR 60% nameplate (48 MW, with unit 1 @ 20 MW and unit 2 @ 28 MW)

010Oct - 2.8 tons LOx injected in past 24 hrs; 72.8 tons on hand
040Oct - Table Rock RMGR 60% nameplate (30 MW per unit) without LOX injection
060Oct - 10.1 tons LOx injected in past 24 hrs; 62.7 tons on hand
070Oct - 6.7 tons LOx injected in past 24 hrs; 56 tons on hand
090Oct - 20.7 tons LOx injected in past 24 hrs; 35.3 tons on hand
120Oct - Bull Shoals RMGR 90% nameplate (36 MW Units 1-4; 41 MW Units 5-8)
150Oct - 14.7 tons LOx injected in past 24 hrs; 44.5 tons on hand
200Oct - Table Rock RMGR 54% nameplate (26 MW per unit) without LOX injection
210Oct - Table Rock RMGR 94% nameplate (47 MW per unit) with LOX injection
210Oct - 13.6 tons LOx injected in past 24 hrs; 54.6 tons on hand
220Oct - 10.8 tons LOx injected in past 24 hrs; 43.8 tons on hand
01Nov - October profiles delivered.

2021 I.D.O. VS 2020 I.D.O

Table Rock: 260Oct2021 0.06 VS 0.28 300Oct2020
Bull Shoals: 260Oct2021 1.29 VS 1.29 280Oct2020
Norfolk: 260Oct2021 0.02 VS 2.95 270Oct2020
03Nov - 12.6 tons LOx injected in past 24 hrs; 50.6 tons on hand
04Nov - 19.0 tons LOx injected in past 24 hrs; 56.4 tons on hand
05Nov - 9.9 tons LOx injected in past 24 hrs; 46.5 tons on hand
16Nov - 2.1 tons LOx injected in past 24 hrs; 91.2 tons on hand
19Nov - 0.2 tons LOx injected in past 24 hrs; 91.0 tons on hand
19Nov - Table Rock RMGR 60% nameplate with no LOX injection; no RMGR while injecting
19Nov - Norfolk RMGR 65% nameplate
22Nov - Beaver RMGR 90% nameplate
23Nov - 0.3 tons LOx injected in past 24 hrs; 90.7 tons on hand
23Nov - Table Rock RMGR 80% nameplate with no LOX injection
23Nov - Norfolk RMGR 75% nameplate
26Nov - Norfolk RMGR 90% nameplate
26Nov - Beaver RMGR 85% nameplate
29Nov - Norfolk RMGR 95% nameplate
02Dec - Beaver RMGR lifted
03Dec - Norfolk RMGR lifted
06Dec - Norfolk siphon returned to automatic mode
06Dec - Table Rock RMGR 90% nameplate with no LOx injection
07Dec - November profiles delivered.

2021 I.D.O. VS 2020 I.D.O

Beaver: 02Dec2021 3.04 VS 1.90 09Dec2020
Table Rock: 01Dec2021 3.42 VS 5.79 08Dec2020
Bull Shoals: 30Nov2021 3.61 VS 6.97 09Dec2020
Norfolk: 29Nov2021 4.83 VS 5.50 10Dec2020
Greers Ferry: 29Nov2021 3.35 VS 2.83 07Dec2020
08Dec - Bull Shoals RMGR lifted
08Dec - Table Rock RMGR lifted
08Dec - Table Rock vents closed (temporarily); Effort to use remaining LOX
09Dec - 18.6 tons LOx injected in past 24 hrs; 71.3 tons on hand
09Dec - Table Rock vents opened
10Dec - 19.9 tons LOx injected in past 24 hrs; 51.4 tons on hand
13Dec - Table Rock vents closed
14Dec - Bull Shoals and Norfolk vents closed
14Dec - 3.1 tons LOx injected in past 24 hrs; 48.3 tons on hand
15Dec - 3.1 tons LOx injected in past 24 hrs; 45.7 tons on hand
16Dec - 5.4 tons LOx injected in past 24 hrs; 40.3 tons on hand
17Dec - 21.2 tons LOx injected in past 24 hrs; 19.1 tons on hand

18Dec - 3.1 tons LOx injected in past 24 hrs; 16.0 tons on hand
19Dec - 12.0 tons LOx injected in past 24 hrs; 7.7 tons on hand
20Dec - 7.7 tons LOx injected in past 24 hrs; LOx tanks empty
22Dec - Beaver vents closed
23Dec - Beaver vents reopened
03Jan - Greers Ferry vents closed
03Jan - Beaver vents closed