

SUMMARY OF BCRSD OPERATED WASTEWATER TREATMENT FACILITIES

December 15th, 2021

	Permit	Schedule of compliance from MDNR	Parameter	Parameter	Design Flow	Type of treatment	Approximate year of construction	Cost Estimate	Option	Facility Plan	Proposed State ARPA Grant	Proposed Local Match	Total
1	Rocky Fork	2/1/2022	Lower ammonia		460,000	Oxidation ditch	2013						
2	Midway Arms	9/1/2024	Ammonia		4,800	Recirculating sand filter	2009	\$ 1,163,400	Subsurface drip dispersal		\$ 581,700	\$ 581,700	\$ 1,163,400
3	Rollingwood	11/1/2025	Ammonia	<i>E. coli</i>	10,000	Extended aeration WWTP	1968	\$ 501,825	Pump to Midway Crossings	1/9/2017			
4	Highfield Acres	11/1/2025	Ammonia	<i>E. coli</i>	29,000	Lagoon	1968	\$ 268,000	Gravity to City of Columbia	12/14/2016	\$ 134,140	\$ 134,140	\$ 268,280
5	Richardson Acres	11/1/2028	Ammonia	<i>E. coli</i>	8,510	Lagoon	1989	*	Pump to Rocky Fork	12/10/2020	\$ 1,183,000	\$ 1,183,000	\$ 2,366,000
6	Brown Station	11/1/2028	Lower ammonia	<i>E. coli</i>	1,850	Recirculating sand filter	2009	\$ 3,501,000	Pump to Rocky Fork	12/10/2020			
7	South Route K	11/1/2029	Ammonia	<i>E. coli</i>	244,000	Extended air WWTP / Lagoon	2000 / 1969	\$ 7,365,563	Increase capacity	1/1/2017	\$ 4,389,974	\$ 2,975,588	\$ 7,365,562
8	Trails West	11/1/2031	Ammonia	<i>E. coli</i>	57,500	Lagoon	1970	\$ 1,042,450	Pump to Midway Crossings	8/1/2012	\$ 521,225	\$ 521,225	\$ 1,042,450
9	Twin Lakes	11/1/2032	Ammonia		19,400	Lagoon	1972	\$ 1,169,000	Increase capacity	12/9/2011	\$ 584,500	\$ 584,500	\$ 1,169,000
10	Cedar Gate	11/1/2034	Ammonia	<i>E. coli</i>	11,100	Lagoon	1971	*	Pump to Rocky Fork	12/10/2020	\$ 657,500	\$ 657,500	\$ 1,315,000
11	Brookfield Estates	11/1/2035	Ammonia	<i>E. coli</i>	10,500	Recirculating sand filter	2001	\$ 1,307,050	Increase capacity				
12	Quarter Mile Hills	11/1/2037	Ammonia	<i>E. coli</i>	5,480	Lagoon	2001	\$ 102,344	Increase capacity	1/18/2017	\$ 51,172	\$ 51,172	\$ 102,344
13	Sunnyslope	11/1/2038	Ammonia	<i>E. coli</i>	5,500	Lagoon	1971	\$ 148,060	Gravity to Hallsville	3/1/2019	\$ 74,030	\$ 74,030	\$ 148,060
14	Kinkade Crossing	NA			50,000	Extended aeration WWTP	2007	\$ -					
15	Meadow Village	NA			16,500	Extended aeration WWTP	2009	\$ -					
16	Midway Crossing	NA			150,000	Extended aeration WWTP	2008	\$ 6,615,000			\$ 3,639,412	\$ 2,975,588	\$ 6,615,000
17	Prairie Meadows	NA			80,000	Extended aeration WWTP	2004 - 2006	\$ -					
18	Rocheport	NA			34,400	Oxidation ditch	1980						
19	AOB	NA			4,889	Subsurface drip dispersal	2018						
20	Eagle Knoll	NA			35,000	Extended aeration WWTP	1996						
21	Hartsburg	11/1/2028	Ammonia		14,400	Lagoon	1989						
22	Bobcat of St. Louis	NA			less than 3000	Subsurface drip dispersal	2006						
					TOTAL:	1,252,829		TOTAL:	\$ 23,183,692		\$ 11,816,653	\$ 9,738,443	\$ 21,555,096

* Brown Station / Richardson Acres / Cedar Gate combined cost estimate is \$3,681,000.

23	Hartsburg	11/1/2028	Ammonia		14,400	Lagoon	1989	\$ 720,000			\$ 720,000		\$ 720,000
24	Sturgeon				155,600	Land application		\$ 1,053,515	Controlled discharge		\$ 1,053,515		\$ 1,053,515

Subtotal: Proposed State ARPA	\$ 11,816,653
BCRSD Bonding Capacity	\$ 2,975,588
Proposed Boone County Commission ARPA	\$ 6,762,855
Subtotal: Local match	\$ 9,738,443
GRAND TOTAL:	\$ 21,555,096

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