



August 20, 2021 • WEST WALNUT • BLYTHEVILLE, AR 72315 • (870) 763-3602 • FAX (870) 762-0443

Myrl Lawrence
Arkansas Department of Environmental Quality
Enforcement Branch
5301 Northshore Drive
North Little Rock, AR 72118-5317

RE: City of Blytheville – New SBR Treatment Facility Milestone Extension Request
NPDES Permit No. AR0022578
Consent Administrative Order LIS 20-166

Mr. Lawrence:

This letter is intended to serve as an update to the construction status of the new wastewater treatment facility and a request to extend the milestone schedule.

Our engineering consultant, PMI, began design of the treatment facility which will combine the West and South Plants into a new SBR in January of 2019. A permit application was submitted to DEQ on August 9, 2019, and a construction permit issued November 1, 2019. Upon receipt of the construction permit the City of Blytheville moved forward with funding and contractor procurement starting in 2020.

After the advertisement period and receipt of qualifications, Nabholz was selected as the contractor. During the time the City also issued bonds to fund the project. Both these tasks began in early 2020 and were substantially delayed due to the COVID-19 pandemic which prevented the council from meeting to vote on the issuance of bonds.

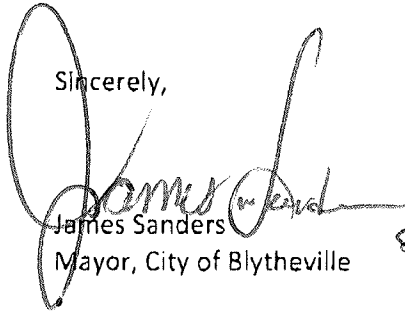
During project design, geotechnical borings were done at the project and found that the bearing capacity of the soil was essentially non-existent and extensive remediation would be required. Ultimately preloading the soil was selected as the remediation technique that was the most cost effective and applicable to the site. However, this required that 15 feet of fill be placed over the project area and remain in place until readings indicated that all settling and compaction of the soil was complete. This was forecasted to take approximately 6 months to complete. Because of the delays caused by the COVID-19 pandemic mentioned above, the project could not start until late summer 2020. Preloading was completed in October 2020 and the site was determined to be fully settled in February 2021. Due to the critical nature of the preloaded area, the site was required to be dry for construction to resume which occurred in June 2021. The delay in funding and procurement mentioned above caused the preloading phase to overlap with winter and general wet weather conditions which caused considerable delay.

Construction delays related to COVID-19 are still occurring in the form of labor and materials shortages. We expect additional delays to occur as the pandemic is still ongoing and have

accounted for that in the construction schedule. Attached is an updated schedule from our contractor and a letter explaining their progress.

Nabholz's current construction schedule has the SBR treatment facility complete on May 20, 2022. With an expected training and startup period of one month and forecasting for additional unforeseen delays, we request that the milestone date for compliance with permit limits be extended to September 1, 2022.

Sincerely,



James Sanders
Mayor, City of Blytheville

8/20/21



CONSTRUCTION
870.934.4800
Nabholz.com/construction

To whom it may concern,

The following is a project recap and current progress of construction activities on the new SBR Wastewater Treatment Facility located in Blytheville, AR.

Phase One Recap

Phase one start date of August 24, 2020 - consisted of clearing the site and setting up the area where the new SBR will be constructed. Once the site was cleared and site erosion in place Nabholz directed the dirt contractor to cut and prep the site for pre-load. Once this work was completed Nabholz scheduled Menard Group to install wick drains approximately 20'-35' in depth from a top grade of 250 and in an 8' grid pattern across the site. This work started on October 5th and ended on October 9th. Dirt contractor installed lifts in 5' layers up to the recommended grade of 265 to complete the pre-load set up. This completed the first phase of work and monitoring the settlement began taking elevation readings of the monuments every 2 weeks until the settlement subsided approximately February 22nd when the last elevation check was recorded. This phase of work was scheduled and executed with no weather, material, or labor delays.

Phase Two Construction

Phase two start date of May 3, 2021, was affected by late spring rains that delayed the start of the pre-load excavation and the force main install from the existing west plant to the new SBR site. Force main construction was started on May 25 and continued into July. Some sections of the force main had to be scheduled for later in the summer due to material delays caused by Covid-19 that disrupted the supply chain of PVC material. Excavation of the pre-load started in early June and was delayed by weather and labor shortage due to Covid-19. At the current stage of construction, we are experiencing groundwater in the lower SBR excavation and are in the process of dewatering with a well point that was installed Tuesday of this week. We expect, based on the performance of the well point to clean up the lower excavation of the SBR and install the filter fabric and 12" of 57 wash rock next week. Once this work has been completed the concrete sub can start the placement of the lower SBR reinforcing and slab in roughly 2 weeks from today's date of August 19, 2021

Regards,
Nickolas B. Ingram
Project Manager

3415 One Place | Jonesboro, Arkansas 72404 | Phone 1.877.NABHOLZ

Conway, AR | Little Rock, AR | Jonesboro, AR | Fort Smith, AR | Rogers, AR | Springfield, MO | Lenexa, KS

Olive Branch, MS | Tulsa, OK | Oklahoma City, OK | Oxford, CT | Portland, TN

www.nabholz.com

ID	Task Mode	% Work Complete	Task Name	Duration	Start	Finish	Dec	Qtr 1, 2021	Feb	Mar	Qtr 2, 2021	May	Jun	Qtr 3, 2021	Aug	Sep	Qtr 4, 2021	Nov	Dec	Qtr 1, 2022	Feb	Mar	Qtr 2, 2022	May	Jun								
1	🔗	0%	Pre-Con	89 days	Mon 1/4/21	Thu 5/6/21		[Gantt bar from Jan to May 2021]																									
2	🔗	0%	Submittal Exchange	85 days	Mon 1/4/21	Fri 4/30/21		[Gantt bar from Jan to May 2021]																									
3	🔗	0%	Confirm Preload	6 days	Thu 4/15/21	Thu 4/22/21																											
4	🔗	0%	Mobilization	10 days	Fri 4/23/21	Thu 5/6/21																											
5	🔗	0%	SBR	165 days?	Mon 5/3/21	Fri 12/17/21		[Gantt bar from May 2021 to Dec 2021]																									
6	🔗	90%	Excavation of SBR	30 days	Mon 5/3/21	Fri 6/11/21																											
7	🔗	0%	SBR sub grade	5 days	Mon 8/30/21	Fri 9/3/21																											
8	🔗	0%	SBR Base Slab, 8 pressure relieve valves	5 days	Mon 9/6/21	Fri 9/10/21																											
9	🔗	0%	SBR Walls	30 days	Mon 9/20/21	Fri 10/29/21																											
10	🔗	0%	Yard Piping lower level	5 days	Mon 9/20/21	Fri 9/24/21																											
11	🔗	0%	Exterior Yard Piping	25 days	Mon 10/4/21	Fri 11/5/21																											
12	🔗	0%	Pump Pads	2 days?	Mon 10/4/21	Tue 10/5/21																											
13	🔗	0%	Vaults and Equipment Foundation	10 days	Mon 10/11/21	Fri 10/22/21																											
14	🔗	0%	10" and 20" Plug Valve Install	3 days	Mon 10/18/21	Wed 10/20/21																											
15	🔗	0%	Mag Meters at 10" Plug Valves	2 days	Mon 10/25/21	Tue 10/26/21																											
16	🔗	0%	Back Fill around SBR	5 days	Mon 11/8/21	Fri 11/12/21																											
17	🔗	0%	Misc. Steel and Grating Install	10 days	Mon 12/6/21	Fri 12/17/21																											
18	🔗	0%	Hand Rail and Stair Install	10 days	Mon 12/6/21	Fri 12/17/21																											
19	🔗	0%	Equipment Install	45 days	Mon 11/1/21	Fri 12/31/21		[Gantt bar from Nov 2021 to Dec 2021]																									
20	🔗	0%	Trojan UV System	5 days	Mon 11/1/21	Fri 11/5/21																											
21	🔗	0%	Floating Decanter	10 days	Mon 11/8/21	Fri 11/19/21																											
22	🔗	0%	Spiral Screen	5 days	Mon 11/15/21	Fri 11/19/21																											
23	🔗	0%	Gritt Classifier	5 days	Mon 11/29/21	Fri 12/3/21																											
24	🔗	0%	Vortex Grit Separator	5 days	Mon 12/6/21	Fri 12/10/21																											
25	🔗	0%	Blowers	10 days	Mon 12/13/21	Fri 12/24/21																											
26	🔗	0%	Operations Building	115 days	Mon 10/11/21	Fri 3/18/22		[Gantt bar from Oct 2021 to Mar 2022]																									
27	🔗	0%	Operations Footings and Piers, Stairs to SBR	30 days	Mon 10/11/21	Fri 11/19/21																											
28	🔗	0%	UV Foundation and Piers	10 days	Mon 10/11/21	Fri 10/22/21																											
29	🔗	0%	Blower Foundation and Piers	5 days	Mon 10/11/21	Fri 10/15/21																											
30	🔗	0%	Operations Building Slab	5 days	Mon 10/11/21	Fri 10/15/21																											
31	🔗	0%	UV and Blower Pads	2 days	Mon 10/11/21	Tue 10/12/21																											
32	🔗	0%	Generator and Transformer Pads	2 days	Mon 10/11/21	Tue 10/12/21																											
33	🔗	0%	PEMB Delivery and Erection	50 days	Mon 1/10/22	Fri 3/18/22		[Gantt bar from Jan 2022 to Mar 2022]																									
34	🔗	0%	Doors and Hardware	2 days	Mon 1/10/22	Tue 1/11/22																											
35	🔗	0%	Liner Panels	5 days	Mon 1/10/22	Fri 1/14/22																											
36	🔗	0%	Operations and Equipment Electrical	30 days	Wed 1/19/22	Tue 3/1/22																											
37	🔗	0%	Framing and Cabinet Install	10 days	Mon 3/7/22	Fri 3/18/22																											
38	🔗	0%	HVAC System	10 days	Mon 3/7/22	Fri 3/18/22																											
39	🔗	0%	Plumbing Fixture and Trim out	5 days	Mon 3/7/22	Fri 3/11/22																											
40	🔗	0%	Lighting and Electrical Trim out	5 days	Mon 3/7/22	Fri 3/11/22																											
41	🔗	0%	Force mains from West Plant	245 days	Mon 5/3/21	Fri 4/8/22		[Gantt bar from May 2021 to Apr 2022]																									
42	🔗	100%	Mobilize	5 days	Mon 5/3/21	Fri 5/7/21																											
43	🔗	0%	Path Clearing and prep	2 days	Tue 5/25/21	Wed 5/26/21																											
44	🔗	75%	Install of pipe and components	30 days	Tue 5/25/21	Mon 7/5/21																											
45	🔗	0%	Tie-In to West Plant	5 days	Mon 4/4/22	Fri 4/8/22																											
46	🔗	0%	Tie-In to SBR	5 days	Mon 4/4/22	Fri 4/8/22																											
47	🔗	0%	Force mains from existing South Plant	30 days?	Mon 4/11/22	Fri 5/20/22		[Gantt bar from Apr 2022 to May 2022]																									
48	🔗	0%	Prep and discharge ditch placement	5 days	Mon 4/11/22	Fri 4/15/22																											
49	🔗	0%	Install of pipe and components	10 days	Mon 4/11/22	Fri 4/22/22																											
50	🔗	0%	Tie-In to SBR	2 days	Mon 4/25/22	Tue 4/26/22																											
51	🔗	0%	Tie-In to South Plant	5 days	Mon 5/2/22	Fri 5/6/22																											
52	🔗	0%	Final Grade Parking and drives	10 days?	Mon 5/2/22	Fri 5/13/22		[Gantt bar from May 2022 to May 2022]																									
53	🔗	0%	Gravel placement and compaction	10 days	Mon 5/2/22	Fri 5/13/22																											
54	🔗	0%	Equipment Start and Comisioning	30 days	Mon 4/11/22	Fri 5/20/22		[Gantt bar from Apr 2022 to May 2022]																									
55	🔗	0%	Punch and final clean	5 days	Mon 5/16/22	Fri 5/20/22																											

Project: Preliminary
Date: Wed 8/18/21

Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress	
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline			
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress			