



**Allen & Hoshall**

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**CONTRACT AMENDMENT**

NO. 4

Project: Installation of New Reactor Clarifier – Water Treatment Plant Date: 24 March 2017

Owner: City of Vicksburg, Mississippi

Contractor: Greenbriar Digging Service Limited Partnership

The contract, dated 8 January 2016 between the above listed parties, is hereby amended as set forth below. Description of and reason for amendment:

Addition of repair of damaged bearing and drive portions of Clarifier No. 1 as outlined in the attached proposal from Greenbriar. This work is in addition to the damaged portions of Clarifier No. 1 replaced in Contract Amendment No. 3. Work on Clarifier No. 1 is in addition to the original scope of the project for replacement of Clarifier No. 2.

**Contract Amount is Amended as Follows:**

**Contract Time is Amended as Follows:**

Present Contract Amount	<u>\$1,417,300.00</u>	Present Completion Date	<u>13 November 2016</u>
Net Change in Contract	<u>\$18,720.00</u>	Net Change-No. of Days	<u>121</u>
Amended Contract Amount	<u>\$1,436,020.00</u>	Amended Completion Date	<u>17 March 2017</u>

Recommended by   
Allen & Hoshall

Approved by   
Contractor

Approved by \_\_\_\_\_  
Owner



**GREENBRIAR**

1941 Highway 550 NW  
Brookhaven, MS 39601-9615  
Telephone: 601-833-0975  
Fax: 601-833-0986

## **COST INFORMATION FOR CHANGE ORDER**

**DATE:** March 21, 2017

**JOB NAME:** Vicksburg Clarifier

**TO:** Ed Dedeaux, P.E.  
Allen & Hoshall  
713 S. Pear Orchard Road, Suite 100  
Ridgeland, Mississippi 39157

**LOCATION:** Water Treatment Plant  
Vicksburg, MS

<u>DATE</u>	<u>ITEM</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>EXTENSION</u>
3-1-17	While leveling the newly installed rake arm cage, we found that the bolts attaching the rake arm gear drive to the main gear housing were loose. It allowed enough movement in the drive that it pushed the site glass into the king's post, breaking the site glass and draining the rake gear drive of most of its oil. (See e-mail from this date).			
3-2-17	The Ovivo representative came for a scheduled visit and had us pull the rake arm gearbox so that he could inspect the interior of the gear, (he wanted to do this as a result of the loose bolts). We found that the lower pinion bearing and bearing race were damaged and the Ovivo rep recommended that they be replaced. We spoke with all involved and ordered the necessary materials. 8 hrs. of extra work.			
3-6-17	New materials were delivered as specified. When installing the new bearings, we found that there was an additional damaged bearing on the rake arm worm drive, (see attached pictures). We spoke with all involved and ordered the necessary materials. 10 hrs. of extra work.			
3-7-17	While waiting on delivery of the new bearings we proceeded with the leveling of the rake arms again. We then found that the main gear drive was not securely fastened to the center column. 8 hrs. of extra work.			
3-8-17	We shimmed and leveled the main gear drive. 9 hrs. of extra work.			
3-9-17	Torqued the main gear drive bolts and completed the leveling of the entire assembly. 4 hrs. of extra work.			
3-15-17	Replaced all new bearings, oil seals, and changed oil in all locations on gear assembly. 11.5 hrs of extra work.			
		LS	\$ 18,720.00	\$ 18,720.00

**ACCEPTED:** \_\_\_\_\_  
CITY OF VICKSBURG

**SUBMITTED:** Jessie Neal, Jr.  
JESSIE NEAL, PARTNER