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The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

Winnepesaukee River Basin Program
Franklin WWTP
528 River St. Franklin, NH 03235
(603) 934-4032
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April 18, 2023

His Excellency, Governor Christopher T. Sununu
and the Honorable Council
State House
Concord, New Hampshire 03301

REQUESTED ACTION

Authorize the Department of Environmental Services (DES) to make a **RETROACTIVE**, unencumbered payment in the amount of \$7,680 to Interstate Water & Wastewater Specialists, LLC (VC #385520-R001) Manchester, NH for necessary work performed at the Winnepesaukee River Basin Program (WRBP) Franklin wastewater treatment facility (WWTF). 100% WRBP Funds.

Funding is available in the account as follows:

	<u>FY 2023</u>
03-44-44-442010-5426-048-500226	\$7,680
Dept. Environmental Services, Winnepesaukee River Basin, Contractual Maintenance – Bldg. & Grnds.	

EXPLANATION

This request is for a **RETROACTIVE**, unencumbered payment for necessary retrofit work performed on the two secondary clarifiers at the WRBP's Franklin WWTF. The work was unexpected since additional plans and specifications provided from the clarifier manufacturer after the replacement components were delivered revealed that extensive modification work would be needed to complete the retrofit installation project.

The new center drives on the secondary clarifiers were not exact replacements of the original 45-year-old drives at the Franklin WWTF. The drive mounts inside the clarifiers had to be refit to each new drive. This required extensive modification of the old drive mounts by means of oxyacetylene cutting. The new drives required the on-site installer (Interstate) to custom fit and weld on new drive mounts. This required significant time to properly fit the new mounts to the existing cage, and then welding the mounts to the cage. Furthermore, because the drive mounts were now in a new position, the entire clarifier assembly had to re-leveled and shimmed. Leveling the drives is a very slow process because it involves rotating the entire clarifier drive 360 degrees numerous times until properly level and aligned. A single rotation takes approximately 45 minutes and each clarifier took over 18 manhours to successfully complete.

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The work also included retrofitting the railings on these clarifiers. The manufacturer supplied railing components, not fabricated railings, so the railings all had to be customized to fit. This type of work requires precision and a shop environment to make a quality product that could not be done in the field at the WWTF with any reasonable expectations of producing an acceptable product in a timely manner. The new platform and railing components were shipped offsite to Interstate's fabrication shop to have everything custom fabricated and assembled and then shipped back to the site for installation.

Interstate performed their work in a professional and effective manner and completed the project to the satisfaction of the WRBP, allowing the clarifiers to be brought on-line to meet permit compliance conditions. The WRBP has reviewed the level of effort and finds the amount requested justified and, therefore, supports the payment. The invoice is attached.

All of the WRBP's expenses are paid by the users of the system; there is no General Fund contribution to the WRBP budget.

We respectfully request your approval of this item.


Robert R. Scott, Commissioner

Interstate Water & Wastewater
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 Manchester, NH 03105
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 www.InterstateWasteWater.com



INVOICE

BILL TO
 Franklin NH WWTP

INVOICE # 22312-3
DATE 12/04/2022
DUE DATE 01/03/2023
TERMS Net 30

JOB TITLE Secondary Clarifiers	JOB SITE Franklin WWTF
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DESCRIPTION	QTY	RATE	AMOUNT
Additional cutting, Welding, and leveling, services for both clarifiers	0	0.00	0.00
Reason - All project documentation was not made available before the bid was submitted. We learned upon installing that we would have to remove the existing cage to drive mounts by oxy acetylene cutting. New mounts would have to be fitted and welded to accept the new drive. This also caused additional time that was needed to relevel everything so the drive runs within specified tolerances. This required approximately 4 additional man days per clarifier, plus consumables. It was also not made clear that we would be installing new railings that had to be cut and fit to the new cage also costing additional time.			
Service Labor Cut off existing drive mounts. Fit and weld new mounts to existing cage. Shim and re-level drive.	36	103.00	3,708.00
Service Labor Ship platform and railing off site. Fit and fabricate components at shop.	36	103.00	3,708.00
Oxy-Actylene	1	164.00	164.00
Welding Rod	1	100.00	100.00

BALANCE DUE

\$7,680.00