

**ADDENDUM NO. 2**  
**MIDDLESEX COUNTY UTILITIES AUTHORITY**  
**CONTRACT 22-8-5(AC)**  
**MAINTENANCE OF HEAVY EQUIPMENT**

**October 24, 2022**

Addendum No. 2 includes changes to the Contract Document as indicated below. The Bidder shall acknowledge receipt of this Addendum No. 2 in Exhibit C-4 of the Contract Documents.

**A. GENERAL**

The Bidder shall make the following changes and additions to the Bid Documents. The date and time for receipt of bids remains unchanged.

**B. CHANGES AND CLARIFICATIONS TO THE CONTRACT DOCUMENTS**

The Contract Document has been amended as follows:

1. VII. DETAILED SPECIFICATIONS - Bid Item #1 – Level 1 Preventative Maintenance Services for Loaders b. Scope of Service: **INSERT** “Air Filters – Inspect outer and inner air and cabin filters and advise on condition and replace filters as needed.”
2. VII. DETAILED SPECIFICATION – Bid Item #3 - Level 3 Preventative Maintenance Services for Loaders b. Scope of Service: Air Filters – **INSERT** “and cabin filters” **INSERT** “and replace filters as needed.”
3. VII. DETAILED SPECIFICATIONS - E. Heavy Equipment to be Serviced– **DELETE** “SEPT 2016 HRS”, a. 6,030 Hrs. b. 1,307 Hrs, and c. 926.6 Hrs” and **REPLACE** with “OCT 2022 HRS”, a. 6,635.7 Hrs, b. 7,793.5 Hrs, c. 406.7 Hrs”
4. VII. DETAILED SPECIFICATIONS - E. Heavy Equipment to be Serviced ... Specific to the Authority’s Scarab Model 14HYD Compost Turners – **DELETE** b.) Caterpillar Engine Model # 3306, Motor # 64Z10811.

Attachments:

## Attachment #1

### Bid Item #1 - Level 1 Preventative Maintenance Services for Loaders

#### a. Service Schedule:

Level 1 Preventative Maintenance Services shall be performed on each piece of specified Heavy Equipment at the following operational Benchmarks:

250 Hours  
750 Hours  
1,250 Hours  
1,750 Hours

#### b. Scope of Service

Level 1 Preventative Maintenance Services shall include all labor and materials and travel costs and shall include but not limited to the following:

Alternator Belt - Inspect, adjust, and replace as necessary

Air Filters - Inspect outer and inner air and cabin filters and advise on condition and replace filters as needed.

Belts - Check and advise on all belts

Battery - Check electrolyte level and add as necessary; clean cables and advise on terminal end condition

Brakes - Test holding ability and system operation for service brakes and parking/secondary brake, and check levels of brake fluid reservoirs

Bucket - Inspect for cracks, wear, cutting edge and pin damage [Ground Engaging Tool (GET) Damage], inspect lower Pivot Pin Oil Level, advise on linkage pins and bushings, and lubricate pins and bushings

Cooling system - Inspect system, check coolant level, hoses, leakage, radiator cap, radiator airflow test for blockage, belt condition, and water pump, and add cooling system additive (DEAC) as necessary

Differential - Inspect for seal leaks, check oil level, and add oil as necessary

Drive System - Inspect final drive for seal leaks, check oil level, and add oil as necessary, inspect drive shaft spline for looseness and lubricate center fitting

Engine - Clean Crank Case Breather, change oil and filter, sample and analyze oil, and check for leaks

Filters - All oil and coolant filters removed during service shall be cut and inspected

Fuel System - Change/clean primary and secondary filters

Hydraulic System - Inspect tank level, breather, and hose connections, change oil filter, and add oil as necessary

Transmission - Inspect casing for damage, inspect fluid condition, inspect oil, and add as necessary, and change oil filter

## Attachment #2

### Bid Item #3 - Level 3 Preventative Maintenance Services for Loaders

a. Service Schedule:

Level 3 Preventative Maintenance Services shall be performed on each piece of specified Heavy Equipment at the following operational Benchmarks:

1000 Hours

b. Scope of Service:

Level 3 Preventative Maintenance Services shall include all services provided in Levels 1 and 2 Preventative Maintenance and shall also include all labor and materials and travel costs associated sampling and analysis of oil (SOS) and coolants in all compartments and with the following:

Air Conditioner - Test compression output, visual dryer check, and inspect, adjust, and replace A/C Belt as necessary

Air Filters - Inspect outer and inner air and cabin filters and advise on condition and replace filters as needed.

Articulation - Lubricate bearings

Cab - Inspect roll-over protection structure

Cooling System - Inspect condition of radiator mounting brackets

Differential - Change oil

Drive System - Change oil, lubricate drive shaft support bearing and universal joints fittings, and check torque on all U-Joint bolts.

Engine - Change secondary air cleaner, and measure and adjust engine valve lash as necessary

Frame - Lubricate fittings on Upper and lower pivot bearings

Fuel Filter - Change fuel filter

Hydraulic System - Check seals for leaks

Transmission - Change oil and breather, clean screen, and pressure test transmission pump

### Attachment #3

#### E. Heavy Equipment to be Serviced:

The Authority's Heavy Equipment is used in the Authority's sludge processing, management, and storage facilities and is utilized to move municipal wastewater residuals, alkaline admixtures, and the Authority's sludge derived agricultural product, MeadowLife®. Equipment is cleaned and maintained by the Authority to standards which meet the Authority's health and safety requirements, however, the Authority makes no assertions or guarantees regarding equipment cleanliness, and no special provisions will be made to accommodate the Contractor. The Heavy Equipment to be serviced shall be as follows:

Equipment to be serviced under Bid Item Nos. 1 through 8 and Bid Item Nos. 12, 14 and Option #1 shall be as follows:

<u>EQUIPMENT</u>	<u>MODEL #</u>	<u>SERIAL #</u>	<u>Oct 2022 HRS</u>	<u>AVG.USE/WEEK</u>
a. Caterpillar Integrated Tool Loader	IT 28B	1HF02033	6,635.7 Hrs.	2 Hrs.
b. Caterpillar Front End Loader	980G	02KR75012	7,793.5 Hrs.	28 Hrs.
c. Caterpillar Wheel Loader	926M	0LTE06231	406.7 Hrs.	

Equipment to be serviced under the scope of Bid Item Nos. 13, Option #1 and Option #2 is specific to the Authority's Scarab Model 14HYD Compost Turner and as follows:

<u>EQUIPMENT</u>	<u>MODEL #</u>	<u>MOTOR #</u>	<u>SEPT 2016 HRS</u>	<u>AVG.USE/WEEK</u>
a. Caterpillar Engine	3306	64Z10816	4,352 Hrs.	1 Hr.

**END OF ADDENDUM NO. 2**