



**ADDENDUM NO. 2
DPW #12-061-A
IDOC Sludge Removal Project**

Project: DPW 12-061-A: Wastewater Sludge Removal Project
Owner: Idaho Dept. of Admin., Div. of Public Works, Dept. of Corrections
Date: August 14, 2012
Project No. DPW 12-061-A

To All Bidders:

Bidder's submitting proposals for the above project shall take note of the following changes, additions, deletions, clarifications, etc. in the Contract Documents, which shall become a part of and have precedence over anything contrarily shown or described in the Contract Documents, and all such shall be taken into consideration and be included in the Bidder's Bid Proposal.

Refer to attached sheets:

 8/14/12
Bradley S. Bjerke, P.E. Date
FORSGREN ASSOCIATES INC.

ADDENDUM NO. 2
DPW #12-061-A
IDOC Sludge Removal Project

For Bids Due: Tuesday, August 21, 2012, 2:00 PM (MST)

Revised Bids Due Date: Thursday, August 30, 2012, 2:00 PM (MST)

SPECIFICATIONS

AB – ADVERTISEMENT FOR BIDS

1. Change bid date from August 21, 2012 to **August 30, 2012**.

SECTION 02 10 00 SLUDGE REMOVAL/LAND APPLICATION

Section 1.2. SLUDGE REMOVAL: Replace with the following paragraphs:

- A.2. Work shall begin in Pond #1. Surface aerators and excess water shall be removed by IDOC wastewater operations personnel prior to start of work. A minimum of three days shall be provided for IDOC aerator removal and decanting. Raw wastewater will enter Pond #2 while sludge removal work is completed in Pond #1. Sludge removal for Pond #1 will be approximately one million gallons (1,000,000 gallons). Contractor shall notify DPW field representative at approximately the 75% removal completion stage (or 750,000 gallons) to determine if additional sludge should be removed from the pond before moving to the next pond.

The second pond in the cleaning series shall be Pond #2. Provide IDOC 48 hours advance notice for aerator removal and clear water decanting. Raw wastewater will refill Pond #1 while work is completed in Pond #2. This allows approximately 2 weeks before water flows from Pond #1 back into Pond #2. Pond #2 sludge removal volume will be approximately 500,000 gallons. Contractor shall notify DPW field representative at approximately the 75% removal completion stage (or 400,000 gallons) to determine if additional sludge should be removed from the pond before moving to the next pond.

The final small ponds #3, #4, and #5 sludge removal volumes shall be approximately 100,000 gallons each. Ponds shall be worked in sequential order. Provide IDOC 24 hours advance notice for clear water decanting. Contractor shall notify DPW field representative at approximately the 75% removal completion stage for each pond (or 75,000 gallons) to determine if additional sludge should be removed from the pond before moving to the subsequent pond.

Generally the ponds full water depth is between 4 and 6 feet. The sludge depth in Ponds #1 and #2 is approximately 2 feet deep. The sludge depth in Pond #3 is approximately 3 feet deep. The sludge blanket level in ponds #4 and #5 are about 2 feet deep. The solids concentration of the sludge on the pond bottoms was measured at approximately three percent (3%), or 30,000 mg/L TSS. The objective is to pump the thickest solids possible with a goal of removing a minimum of 2% solids in the volume land applied.

Section 1.2. SLUDGE REMOVAL: Change the following paragraph:

- A.3 Change minimum pumping rate from 250 gpm to 750 gpm.

Section 1.2. SLUDGE REMOVAL: Replace with the following paragraphs:

- B. Samples shall be collected by an Owner's representative to verify total suspended solids (TSS) content daily. These samples will also be measured for fecal coliform content to insure they meet the criteria for Class B solids. Other sample parameters shall be as directed by Engineer.
1. Frequency: Multiple samples shall be collected each day by Owner and composited into a single container with a goal of determining a representative sludge content land applied. Contractor shall accommodate each sampling event.
 2. The number and frequency of the testing shall be determined by the Owner and Engineer.
 3. Contractor shall include a **\$5,000 lab testing allowance** within the total bid amount for sample laboratory analysis. Owner shall arrange for an independent Boise laboratory to perform analysis. Test reports shall be addressed to both the Contractor and DPW. Invoices from the testing lab shall be paid by the Contractor from the allowance. A 5% markup on lab costs shall be allowed with lab invoices. Any funds within the allowance budget not spent at the conclusion of project work shall be returned in a final change order credit.

Section 1.2. SLUDGE REMOVAL: Add the following paragraph:

- C. 4. The removal method of the inlet solids may be modified once the water level has been lowered and the extent of the inlet pile determined. In general, the Owner will not want excessive inorganic debris land applied in the adjacent fields. If Contractor has adequate pre-screening to avoid this condition, Owner will consider land application of this material with other solids.

Section 1.3. LAND APPLICATION: Change the following paragraphs:

A. Sown Land.

4. The management units with existing alfalfa crop may be reseeded at the conclusion of sludge land application activities. The other shall designate the field areas that will be reseeded and allow injection in these areas at the higher application rate.
5. Contractor shall include a **\$10,000 seed allowance** within the total bid amount for Owner to re-seed the land application fields. Owner shall determine the seed source/quality and instruct the Contractor on the purchase quantity. The seed shall be delivered to the IDOC Kuna site for seeding after sludge land application by IDOC staff. The markup on the seed purchase allowance shall not exceed 5%. Any funds within the seed allowance budget not spent at the conclusion of project work shall be returned in a final change order credit.

6. Contractor shall include a pre-construction walk-through with the IDOC land application operations staff to identify any areas of concern.

B. Unsown Land

4. Contractor shall include a pre-construction walk-through of the field to identify obstacles or irrigation risers within the work area. Contractor and Owner shall clearly mark all locations of concern. Owner will have available a back-hoe for pot holing during this walk-through. Owner will remove any debris (old piping) that might interfere with Contractor's work. If required for Contractor's field access, Owner shall remove fencing crossing the unsown field.

END OF ADDENDUM