

|  |                                 |  |
|--|---------------------------------|--|
| Date of Action:                              | 12.8.2014                       |  |
| Approved <input checked="" type="checkbox"/> | Denied <input type="checkbox"/> |  |
| By:  | K. Smith                        |  |




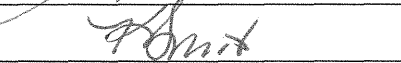
**CITY COUNCIL ACTION MEMORANDUM**

**AM No. 14-46: Contract Award to Aquarius Systems in the amount of \$174,800 for an Aquatic Plant Harvester.**

Originator: Public Works Director

Date: November 25, 2014

Agenda of: December 8, 2014

| Route to: | Department Head       | Signature  | Date     |
|-----------|-----------------------|--|----------|
| X         | Public Works Director |  | 11/25/14 |
| X         | Finance Director      |  | 11.25.14 |
| X         | Deputy Administrator  |  | 11/25/14 |
| X         | City Clerk            |  | 12.1.14  |

Reviewed by Mayor Bert L. Cottle: 

**Fiscal Impact:**  yes \$174,800 **Funds Available:**  yes

**Account name/number:** Weed Harvester/110-4520-452.45-61

**Attachments:** Invitation to Bid and Equipment Specifications (3 pages)

**Summary Statement:** This equipment purchase was advertised on October 28, 2014 through Invitation to Bid No. 1028-0-2014/AG with the following bid results:

- 1) Aquarius Systems \$174,800
- 2) J&S Services \$183,660

This equipment purchase is being funded through a Legislative Grant from the State of Alaska to improve water quality in Lake Lucile. The aquatic plant harvester can remove plants to a depth 6 feet below the water surface. The plant harvester is planned to operate 2 months a year on Lake Lucile to remove aquatic plants and convey them onto shore where they will decompose in Lake Lucile Park.

**Staff Recommendation:** Adopt AM No. 14-46.



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## Bid Details

### Bid Information

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|  |  |
|--|--|
| <b>Agency</b>                                | City of Wasilla  |
| <b>Bid Type</b>                              | Invitation to Bid  |
| <b>Bid Number</b>                            | ITB-1028-0-2014/AG   |
| <b>Fiscal Year</b>                           | 2014   |
| <b>Bid Writer</b>                            | Archie Giddings  |
| <b>Bid Name</b>                              | Aquatic Plant Harvester  |
| <b>Bid Status</b>                            | Under Evaluation   |
| <b>Bid Status Text</b>                       | None   |
| <b>Award To</b>                              |  |
| <b>Due Date/Time</b>                         | 11/12/2014 2:00 PM Alaska  |
| <b>Broadcast Date</b>                        | 10/28/2014   |
| <b>Bid Bond</b>                              | none   |
| <b>Project Estimated Budget</b>              |  |
| <b>Plan (blueprint) Distribution Options</b> | None   |
| <b>Distribution Method</b>                   | Download and Mail  |
| <b>Distributed By</b>                        | Onvia DemandStar   |
| <b>Distribution Notes</b>                    | None   |
| <b>Scope of Work</b>                         | Furnish an Aquatic Plant Harvester Model H9-905 manufactured by Aquamarine or equal. |
| <b>E-Bidding</b>                             | No   |

### Legal Ad

[VIEW](#)

Please select either the View or Edit button to manage legal ad.

### Pre-Bid Conference

none

### Publications

Anchorage Daily News 10/28/2014

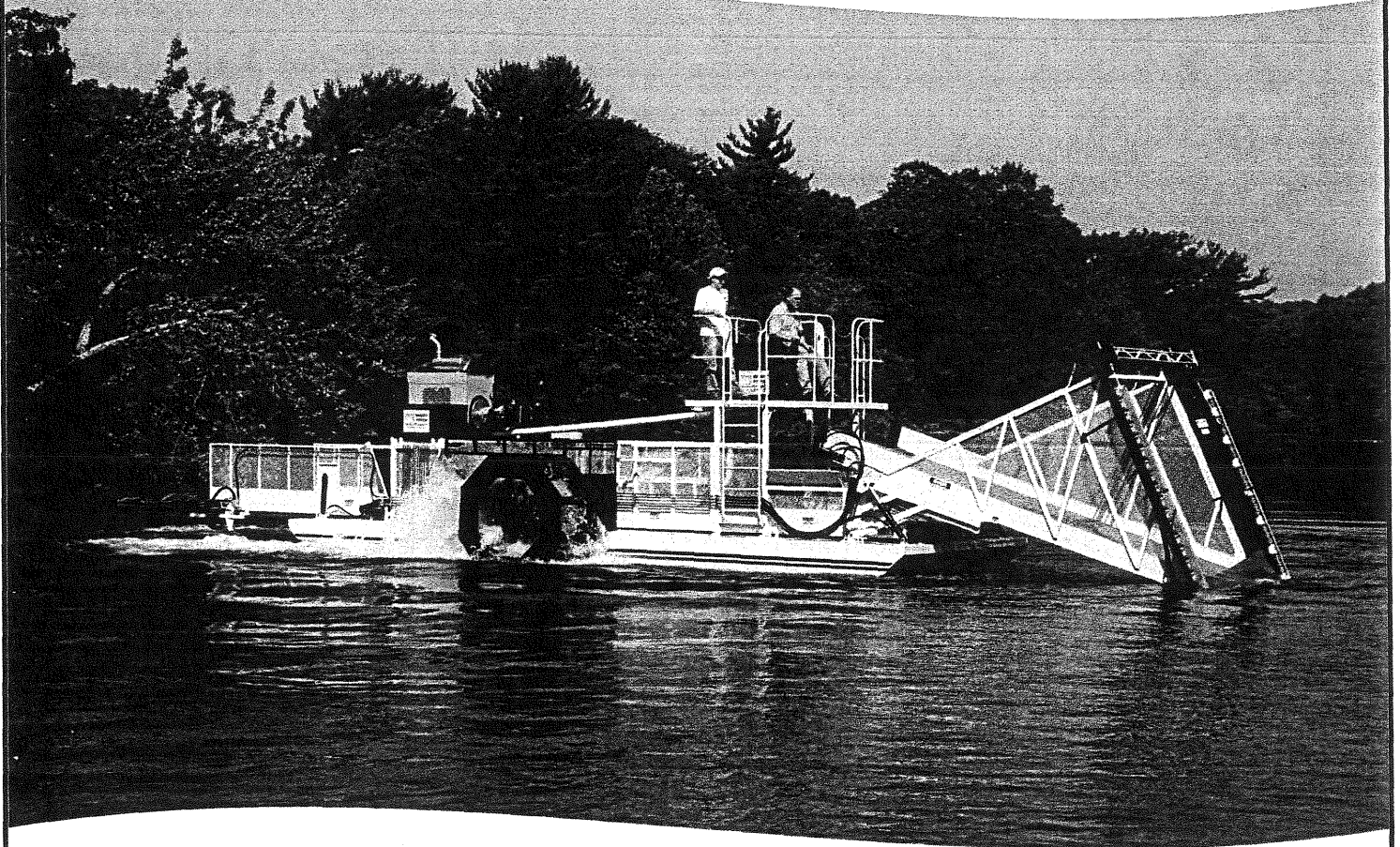
### Documents

[EDIT](#)

|                    |   |
|--------------------|---|
| <b>Bid Package</b> | <a href="#">Specifications (3 Pages, Complete)</a><br><a href="#">Bid Document (12 Pages, Complete)</a> |
| <b>Award</b>       | <a href="#">Bid Results (1 Page, Complete)</a>  |

### Commodity Codes

# 820 series harvesters



The 820 Series are the second largest harvesters available to tackle large scale aquatic plant harvesting.

The 820 Harvesters have a 10' 0" (3,05 m) wide horizontal cutting swath and can cut up to 6' 0" (1,83 m) deep. It can hold up to 835 cubic feet (23,65 cubic meters) of cut vegetation on board, or up to 15,600 lb. (7.076 kg) by weight.

Standard models include many quality and safety features; numerous options and upgrades are also available.



**AQUARIUS  
SYSTEMS**  
A Division of D&D Products Inc.

PO Box 215 | 200 N Harrison Street | North Prairie | Wisconsin | 53153 USA  
| P 262-392-2162 | T 800-328-6555 | F 262-392-2984  
info@aquarius-systems.com | www.aquarius-systems.com

## 820 SERIES - AQUATIC PLANT HARVESTER

| SPECIFICATIONS    |                                      | IMPERIAL  | METRIC  |
|-------------------|--------------------------------------|---|---|
| DIMENSIONS        | Operating Dimensions: L / W / H      | 45' 6" long / 18' 2" wide / 11' 11" tall                            | 13,90 m long / 5,54 m wide / 3,63 m tall                            |
|                   | Shipping Dimensions: L / W / H       | 45' 4" long / 11' 11" wide / 10' 10" tall                           | 13,82 m long / 3,63 m wide / 3,30 m tall                            |
|                   | Overall Weight                       | 16,500 lb   | 7485 kg   |
| FLOTATION         | Barge Dimensions: L / W / H          | 28' 0" long / 12' 2" wide / 30" tall                                | 8,53 m long / 3,71 m wide / 76 cm tall                              |
|                   | Compartments                         | 4 Airtight / watertight compartments                                | 4 Airtight / watertight compartments                                |
|                   | Draft: Empty / Fully Laden           | 11" Empty / 21" Fully Laden   | 28 cm Empty / 53 cm Fully Laden                                     |
| POWER SOURCE      | Standard Engine                      | Diesel  | Diesel  |
|                   | Engine Rating                        | Minimum 62 HP   | Minimum 46,2 kW   |
|                   | Engine Protection                    | Low oil & high temperature shutdown                                 | Low oil & high temperature shutdown                                 |
|                   | Fuel Tank                            | 28 gallon fix mounted tank  | 106 liter fix mounted tank  |
| HYDRAULICS        | Hydraulic System                     | Variable volume pressure compensated                                | Variable volume pressure compensated                                |
|                   | Hydraulic Oil                        | Clarion 46 - environmentally safe, marine grade                     | Clarion 46 - environmentally safe, marine grade                     |
|                   | Hydraulic Reservoir Capacity         | 35 gallons w/ temperature & level gauge                             | 132 liters w/ temperature & level gauge                             |
|                   | Hydraulic System Protection          | Relief valves, low oil & clogged filter sensors                     | Relief valves, low oil & clogged filter sensors                     |
| CONTROL BRIDGE    | Location                             | Over storage hold container   | Over storage hold container   |
|                   | Instrumentation & Controls           | Valve control levers & foot pedals, gauges, warning lights & alarms | Valve control levers & foot pedals, gauges, warning lights & alarms |
|                   | Operator Amenities                   | Padded vinyl seat, bimini sun/rain canopy                           | Padded vinyl seat, bimini sun/rain canopy                           |
|                   | Operator Protection                  | All hydraulic lines/valves enclosed & shielded                      | All hydraulic lines/valves enclosed & shielded                      |
| HARVESTING HEAD   | Harvesting Head: Width / Depth       | 10' wide / 0 to 6' 0" deep  | 3,05 meters wide / 0 to 1,83 meters deep                            |
|                   | Cutter Knives                        | Reciprocating 3" stroke, chrome plated                              | Reciprocating 76 mm stroke, chrome plated                           |
|                   | Impact Protection, Dual              | Pre-compressed shocks & pivoting spring suspension                  | Pre-compressed shocks & pivoting spring suspension                  |
|                   | Conveyor Belting                     | 1" x 1" standard duty galvanized mesh                               | 25 mm x 25 mm standard duty galvanized mesh                         |
| STORAGE CONTAINER | Dimensions: Length / Width           | 34' 9" long / 8' 3" wide  | 10,59 meters long / 2,51 meters wide                                |
|                   | Capacity: Volume / Weight            | 835 cubic feet / 15,600 lb  | 23,65 cubic meters / 7076 kg  |
|                   | Conveyor Belting                     | 1" x 1" standard duty galvanized mesh                               | 25 mm x 25 mm standard duty galvanized mesh                         |
|                   | Discharge Height, from water surface | Up to 5' 8"   | Up to 1,73 meters   |
|                   | Discharge Distance, from barge stern | 7' 0"   | 2,13 meters   |
| PROPULSION        | Propulsion System, Size & Location   | Twin paddle wheels, 72" x 32", amidships                            | Twin paddle wheels, 183 x 81 cm, amidships                          |
|                   | Operation & RPM Speed                | Independent, forward & reverse, 0 to 50 RPM                         | Independent, forward & reverse, 0 to 50 RPM                         |
| FABRICATION       | Hull Material                        | Carbon steel  | Carbon steel  |
|                   | Frame Material                       | Carbon steel  | Carbon steel  |
|                   | Fasteners                            | Stainless steel 18/8 throughout                                     | Stainless steel 18/8 throughout                                     |
| FINISH            | Preparation                          | Abrasive sandblast, epoxy primer                                    | Abrasive sandblast, epoxy primer                                    |
|                   | Paint Type, above the waterline      | High quality polyurethane   | High quality polyurethane   |
|                   | Paint Type, below the waterline      | High quality marine epoxy   | High quality marine epoxy   |
|                   | Color, Manufacturer's Standard       | Light blue  | Light blue  |

The policy of our company is one of continual improvement and we reserve the right to change specifications without notice.