



# City of Grand Island

Tuesday, September 08, 2009

Council Session

## Item G9

**#2009-214 - Approving Amendment #3 to the Consulting Services Agreement for Major Permit Modification at the Solid Waste Landfill**

Staff Contact: Steven P. Riehle, Public Works Director

# Council Agenda Memo

**From:** Steven P. Riehle, Public Works Director

**Meeting:** September 8, 2009

**Subject:** Approving Amendment Number 3 to the Consulting Services Agreement related to a Major Permit Modification at the Solid Waste Landfill

**Item #'s:** G-9

**Presenter(s):** Steven P. Riehle, Public Works Director

## Background

On July 22, 2008 the city council approved an agreement for professional consulting engineering services with Aquaterra Environmental Solutions, Inc. (Aquaterra) of Omaha, Nebraska related to a major permit modification at the Solid Waste Landfill. Any amendments to the agreement must be approved by the city council.

The original agreement for \$39,736 provided for technical work to revise the current permitted 6.5:1 final closure contours to a proposed 4:1 contour. The modification of slopes will increase the future landfill airspace by approximately 850,000 cubic yards. The increased airspace is approximately 5 years of disposal capacity and is valued at over \$5 million.

On November 18, 2008 the city council approved amendment number 1 to the agreement for \$18,200. The amendment provided for engineering services that increased the future landfill airspace by approximately 350,000 cubic yards. The southwest corner of the landfill was squared off to increase available airspace.

On June 9, 2009 the city council approved amendment number 2 to the agreement for \$17,760. The amendment provided for engineering services that increased future landfill airspace by approximately 250,000 cubic yards. The southern boundary of the landfill was redesigned to increase available airspace.

## **Discussion**

City staff reviewed and approved the draft major permit modification documents prepared by Aquaterra in early August prior to submittal to the Nebraska Department of Environmental Quality (NDEQ) on August 14, 2009. The NDEQ would review and eventually approve the modification for inclusion into the current Grand Island Area Landfill Title 132 operating permit.

Aquaterra was hired by a purchase order to prepare an engineer's opinion of the estimated costs for future landfill expansion. The estimated costs would be used to identify the unrestricted cash in the budget that should be designated for landfill expansion.

On August 24, 2009 Aquaterra contacted Solid Waste division staff about a concern they had pertaining to information related to the 1998 cell number 2 construction documents. The actual liner construction elevations on the as-built engineering drawings did not match the elevations that were in the current operating permit. Solid Waste Division personnel then proceeded to excavate small portions of the southern edge of Cell number 2 and verified the actual construction liner elevations.

The current operating permit and associated drawings were utilized by Aquaterra for the basis of their calculations and revisions related to the major permit modifications. Aquaterra has contacted the NDEQ and requested that no further review of the submitted major permit modification documents be completed until the required corrections can be made and submitted.

Aquaterra has agreed to complete the required corrections to the major permit modification documents for re-submittal to the NDEQ with work being performed at actual costs with a maximum amount of \$28,800.

## **Alternatives**

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

1. Move to approve
2. Refer the issue to a Committee
3. Postpone the issue to future date
4. Take no action on the issue

## **Recommendation**

Public Works Administration recommends that the Council approve amendment number 3 to the agreement with Aquaterra Environmental Solutions, Inc. for Professional

Services related to Major Permit Modifications at the Solid Waste Landfill, The work will be performed at actual costs with a maximum amount of \$28,800.

### **Sample Motion**

Move to approve Amendment Number 3 with Aquaterra.

City of Grand Island  
100 East 1st Street  
Grand Island, Nebraska 68801

**AGREEMENT AMENDMENT NUMBER 3**

**Date of Issuance:** September 8, 2009

**PROJECT:** Professional Services Related to Major Permit Modifications at the Solid Waste Landfill

**CONSULTANT:** Aquaterra Environmental Solutions, Inc.

**AGREEMENT DATE:** August 19, 2008 (Approved at July 22, 2008 Council Meeting)

Provide for professional services to complete the required corrections to the major permit modification documents for re-submittal to the NDEQ. The landfill permit liner elevations will be changed to match the elevations from the 1998 cell number construction documents.

The changes result in the following adjustment to the agreement amount:

Agreement Price Prior to This Amendment .....	\$ 75,696.00
Net Increase/Decrease Resulting from this Amendment.....	\$ 28,800.00
Revised Contract Price Including this Change Order.....	\$104,496.00

**Approval Recommended:**

By \_\_\_\_\_  
Steven P. Riehle, Public Works Director

Date \_\_\_\_\_

**The Above Amendment Accepted:**

\_\_\_\_\_  
Aquaterra Environmental Solutions, Inc.  
Consultant

By \_\_\_\_\_  
Douglas L. Doerr, P.E.

Date \_\_\_\_\_

**Approved for the City of Grand Island:**

By \_\_\_\_\_  
Margaret Hornady, Mayor

Attest: \_\_\_\_\_  
RaNae Edwards, City Clerk

Date \_\_\_\_\_

**Approved as to Form:**

By \_\_\_\_\_  
Wes Nespior, Asst. City Attorney

R E S O L U T I O N 2009-214

WHEREAS, on July 22, 2008, by Resolution 2008-195, the City Council of the City of Grand Island approved the \$39,736.00 proposal of Aquaterra Environmental Solutions, Inc. of Omaha, Nebraska to provide consulting services related to a major permit modification at the Solid Waste Landfill; and

WHEREAS, on November 18, 2008, by Resolution 2008-321, the City Council of the City of Grand Island approved amendment number 1 to agreement in the amount of \$18,200 for engineering services related to adding the southwest section of Cell 3 to Phase I; and

WHEREAS, on June 9, 2009, by Resolution 2009-135, the City Council of the City of Grand Island approved amendment number 2 to the agreement in the amount of \$17,760 for engineering services related to extending the southern boundary to the current leachate storage lagoon; and

WHEREAS, it is necessary to match the permitted landfill liner elevations with the cell 2 construction documents from 1998; and

WHEREAS, Aquaterra Environmental Solutions, Inc. has agreed to perform these engineering services to correct such documents and resubmit to the NDEQ at actual costs not to exceed \$28,800.00; and

WHEREAS, Amendment number 3 to the agreement for consulting engineering services has been reviewed and approved by the City Attorney's office.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that Amendment number 3 to the agreement for consulting engineering services related to a major permit modification at the Solid Waste Landfill, by and between the City and Aquaterra Environmental Solutions, Inc. is hereby approved.

BE IT FURTHER RESOLVED, that the Mayor is hereby authorized and directed to execute such amendment on behalf of the City of Grand Island.

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Adopted by the City Council of the City of Grand Island, Nebraska, September 8, 2009.

\_\_\_\_\_  
Margaret Hornady, Mayor

Attest:

\_\_\_\_\_  
RaNae Edwards, City Clerk

Approved as to Form	☐ _____
September 3, 2009	☐ City Attorney