

**City Council Action Report**

To :	Mayor and City Council
Submitted By:	Karl Heil, Chief Plant Operator – Wastewater Treatment Facility
Date:	January 11, 2007
Subject:	2007 Grit and Biosolids Removal, Hauling, and Disposal
Strategic Council Goals:	No. 1 – Upgraded City Infrastructure and Facilities No. 2 – Fiscally Responsible Government

**Recommended Action :**

- That the City Council, by Motion, authorize the Mayor to execute the attached contract between the City of Northglenn and Liquid Waste Management of Brighton, Colorado, for an amount of \$285,000 plus a 10% contingency of \$28,500, and authorize the City Manager to approve minor changes in the scope of work and execute relevant change orders up to the approved expenditure limit of \$313,500.

**Background and Other Information:**

Grit Removal

- Grit, which consists inorganic compound such as sand, coffee grounds and egg shells, normally settles out in the first two cells of the aerated lagoon treatment system.
- Grit should be removed on a regular basis to maintain the effectiveness of the treatment process; however, based on discussions with current staff and a review of existing records, there is no evidence of past efforts to remove grit from the WWTF.
- In 2006, the City experienced a significant increase in the number of odor complaints associated with the operations of the WWTF. Accumulated grit was identified as one of the contributing factors. Other contributing factors include long detention times between Lift Station A and the WWTF and scheduling of the 2006 biosolids removal during the summer months.
- This contract will allow the City to remove up to 2,600 wet tons of grit from the WWTF during February or March 2007.
- Of the \$285,000 contract total, \$135,000 will be applied toward grit removal activities.

Biosolids (Sludge) Removal.

- The recently completed mechanical expansion of the WWTF will generate approximately 600 dry tons of biosolids per year. These biosolids are pumped to one of the lagoon basins so they can stabilize prior to removal.
- Pursuant to the City's WWTF discharge permit issued by the State, the City is prohibited from permanently storing biosolids on-site. In addition to the work that will be performed under this contract, the City still needs to remove the biosolids that remain in an adjoining, out of service lagoon basin.
- Removed biosolids from the WWTF are usually land applied for beneficial use as fertilizer and soil conditioner in accordance with State and Federal regulations.
- This contract would allow the City to remove approximately 750 dry tons of biosolids during the spring or fall of 2007.
- Of the \$285,000 contract total, \$150,000 will be used for biosolids removal.

**Policy Considerations:**

- Grit removal, along with periodic flushing of the force main and construction of a new headworks facility, should reduce the frequency of future odor complaints from the surrounding community.

- Informational letters will be sent out to the surrounding property owners prior to commencing any work since both activities (grit and biosolids removal) will result in a temporary increase in odors.
- These activities support the Council's Goals of Upgraded City Infrastructure and Facilities and Fiscally Responsible Government.

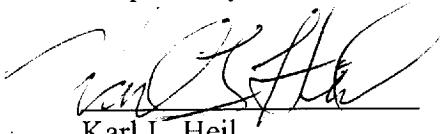
**Budget Information:**

- Sufficient funds are available in the 2007 Wastewater Operations Budget (Operating Program 65104) to cover this operating expense.

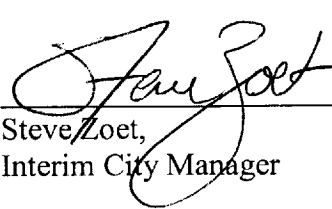
Respectfully Submitted:

Approved for Submittal:

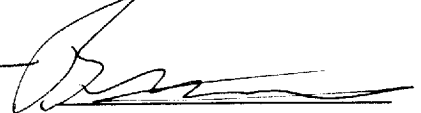
Funding Availability:



Karl L. Heil,  
Chief Plant Operator –  
WWTF



Steve Zoet,  
Interim City Manager



Brent Worthington,  
Director of Finance

**COUNCIL ACTION TAKEN:**

\_\_\_\_\_

**AGREEMENT**

**PROJECT NAME: 2006 Wastewater Grit Removal, Biosolids Removal, Hauling, and Disposal**

**PROJECT NUMBER: 2006 IFB-22 PROJECT MANAGER: Karl Heil**

**THIS AGREEMENT**, made this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, by and between the City of Northglenn, hereinafter called "CITY", and Liquid Waste Management, INC., hereinafter called "CONTRACTOR".

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned:

1. The CONTRACTOR will commence and complete the project named:  

**"2006 Wastewater Grit Removal, Biosolids Removal, Hauling, and Disposal  
2006 IFB-22"**
2. The CONTRACTOR will furnish all of the materials, supplies, tools, equipment, labor supervision, and other services necessary for the completion of the PROJECT described herein.
3. The CONTRACTOR will provide performance and payment bonds and a certificate of insurance naming the City as an additional insured for purposes of said project within 10 days after the date of the NOTICE OF AWARD.
4. The CONTRACTOR agrees to perform all of the WORK described in the CONTRACT DOCUMENTS and comply with the terms therein for the sum of **NOT TO EXCEED \$285,000**, or as shown in the BID schedule. The CONTRACTOR will commence the work within 30 calendar days after the date of NOTICE TO PROCEED. The CONTRACTOR will complete the work within 90 calendar days after the date of NOTICE TO PROCEED unless the period for completion is extended otherwise by the CONTRACT DOCUMENTS.
5. The term "CONTRACT DOCUMENTS" means and includes all items as set forth in Section 1.01 of the General Conditions.
6. The CITY will pay to the CONTRACTOR in the manner and at such times as set forth in the General Conditions such amounts as required by the CONTRACT DOCUMENTS.
7. This AGREEMENT shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.

AGREEMENT - Page 2

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement in TWO copies, each of which shall be deemed an original on the date first above written.

CITY:

City of Northglenn

By \_\_\_\_\_

Name Kathleen M. Novak

Title Mayor

ATTEST:

Name Diana L. Lentz, CMC

Title City Clerk

(SEAL)

APPROVED AS TO FORM:

Corey Y. Hoffmann, City Attorney

(SEAL)

ATTEST:

Cynthia M. Gleim  
Cynthia M. Gleim

Name (Please Print or Type)

Title Office Manager

CONTRACTOR:

*Liquid Waste Management, Inc*

By Jay Holmes

Name Jay Holmes

(Please Type or Print)

Title President

Address P.O. Box 888

Longmont, CO 80502



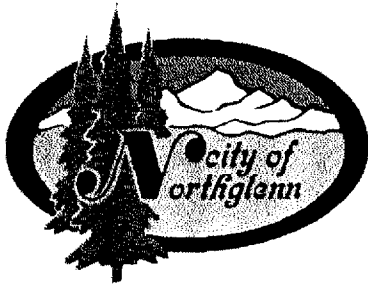
## Reference Check

Contractor: Liquid Waste Management, INC

Date: January 3, 2007

Page 1

<b>Project Location:</b>	<b>Contact for Reference:</b>	<b>Contact Phone Number:</b>	<b>Reference:</b>
Ramey Environmental Compliance	Jeff Rabas	(303) 709-5614	Mr. Rabas stated he has had no problems with the company, and work was completed on time. He also stated he thought Liquid Waste Management (LWM) did a good job.
Evergreen Metro District	Dave Lighthart		Mr. Lighthart stated the District has used LWM on and off 20 years. He also state LWM very good to the District and very responsive to the District needs. If there was a problem, LWM took care of it immediately. Generally very pleased with their work. LWM has done a couple of special project for the District including lagoon cleaning and digester cleaning. Projects are completed on time.
City of Loveland	Mike McCrary	(970) 962-2570	Mr. McCrary stated the City has been with Liquid Waste Management for a long time and they have a great relationship with them. He also stated you can count on them and is pleased with their work. He added that LWM has informed them of State issues and seems to work well with the State.



CITY OF NORTHGLENN  
FORMAL BID SUMMARY

BID NUMBER: 2006 IFB-22

PAGE 1 OF 1

BID NAME: 2006 Grit removal Biosolids Wastewater Treatment Plan

DEPARTMENT: Logistics

	WCS, LLC	PARKER AS Services, LLC	LWM		
DATE DUE: 09/14/2006	BID RECEIVED:	BID RECEIVED:	BID RECEIVED:	BID RECEIVED:	BID RECEIVED:
	DATE: 10/19/06	DATE: 10/30/06	DATE: 10/31/06	DATE:	DATE:
TIME: 2:00 P.M.	TIME: 11:15 AM	TIME: 11:10 AM	TIME: 12:53	TIME:	TIME:
Total Bid for all Unit Prices: <i>DL</i>					
Alternate #1: <del>PART A</del> <i>DL</i>					
Addendum Acknowledged:	<i>yes</i>	<i>yes</i>			
PART A (1)	1749.00	330.00	229.00		
(2)	737.00	282.00	220.00		
(3)	726.00	274.00	210.00		
(4)	715.00	255.00	204.00		
PART B (1)	260.00	365.00	59.50		
(2)	252.00	258.00	58.00		
(3)	244.00	239.00	53.00		
(4)	235.00	222.00	50.00		

*Kathleen B... [Signature]*  
Buyer

*Wanda L. [Signature]*  
City Clerk

*10/31/06*  
Date