



**Request for City Council Committee Action  
From the Departments of Public Works and Procurement**

**Date:** July 26, 2005  
**To:** Honorable Sandra Colvin Roy, Chair Transportation & Public Works Committee  
**Referral to:** Honorable Barb Johnson, Chair Ways & Means Committee  
**Subject:** **Approval of Official Publication No. 6484 - Bids to Furnish and Install HDPE Liner System**

**Recommendation:**

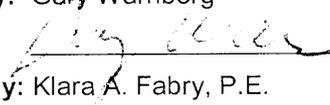
Acceptance of the bid of Clean Air and Water Systems LLC in the amount of \$ 187,884.00 to furnish all labor, materials, equipment and incidentals necessary to furnish and install a high density polyethylene (HDPE) geomembrane liner for the Public Works Water Department at Lagoon 8 located at the Columbia Heights Membrane Plant.

Terms are net 30 days. F.O.B.: Jobsite.

Further recommend proper Officers be authorized and directed to execute a contract for this project all in accordance with specifications prepared by Black and Veatch Corporation.

Contingent on approval of the Civil Rights Department.

**Prepared by:** Gary Warnberg Director, Procurement

  
**Approved by:** Klara A. Fabry, P.E. City Engineer, Director of Public Works

**Presenters:** Shahin Rezania, Ph. D., P.E. Interim Director, Water Treatment & Distribution Services

**Financial Impact** (Check those that apply)

No financial impact - or - Action is within current department budget.  
(If checked, go directly to Background/Supporting Information)

Action requires an appropriation increase to the Capital Budget

Action requires an appropriation increase to the Operating Budget

Action provides increased revenue for appropriation increase

Action requires use of contingency or reserves

Other financial impact (Explain): Action is within Budget

Request provided to the Budget Office when provided to the Committee Coordinator

**Background/Supporting Information:**

Tabulation of the only bid received on Official Publication No. 6484 to Furnish and Install HDPE Liner System is attached.

Attachments - Background/Supporting Information  
Tabulation Sheet

cc: S. Rezania A. Bankston R. Nubbe

**Background/Supporting Information:**

Lagoon 8 is designed to hold and discharge neutralized waste from the Columbia Heights Membrane Plant (CHMFP).

In order to resolve perceived possible environmental issues at the project site, the Minnesota Pollution Control Agency ultimately accepted the City's proposal to install a liner at Lagoon 8 to resolve the project's status in the Voluntary Investigative Cleanup Program. The project site had been used as a construction landfill in the past and Phase II Investigations had indicated the presence of petroleum-impacted soils and possibly asbestos.

The City received recommendations from consultants that installation of a liner would eliminate the need for any further open-ended and expensive environmental investigations. (An informal price quoted by environmental consultant for the level of investigation suggested by the MPCA was on the order of \$500,000.00). Similarly, the liner eliminated the need for any clean-up or containment actions on contaminants that may or may not have been present.

The construction and engineering costs for the overall Lagoon project are currently estimated at \$2,200,000, inclusive of the liner installation. The Sewer Availability Charge (SAC) for residuals from the CHMFP alone would have been \$3,420,000. The annual usage charge for flow from CHMFP to a sewer would have been about \$185,000 per year. The overall life-cycle cost for disposal to a sanitary sewer (20-year Present Value) would have been about \$5,700,000. A similar or larger cost would also be required for the future UF plant at the Fridley Water Works site (FMFP). The Lagoon has been designed to accept residuals from both CHMFP and FMFP.

"BIDS TO FURNISH AND INSTALL HDPE LINER SYSTEM" - P/W Water Department

Offl. Publ. #6484  
Bids opened 10 AM, CDST  
July 21, 2005  
Minneapolis MN

*CleanGrip  
& Water  
Systems  
LLC*

Bid Deposit - 2%

*B*

Lump Sum Bid

\$

*187,884.00*

We, the undersigned, hereby certify that the above bids were publicly opened and read aloud:

*P. O'Brien for*  
FINANCE OFFICER

*Jackie Hobbs for*  
ASST. DIRECTOR PURCHASING