XADYANCE DECLECE		
VARIANCE REQUEST Iowa Department of Natural Resources		
1. Date: 2. Review Engineer: 3. Date Received: 4. Facility Name: 5. County Number: 6. Program Area: 7. Facility Type: 8. Subject Area: 9. Rule Reference: 10. Design Stds Ref: 11. Consulting Engr: 12. Variance Rule: 15. Description of Variation of Variation of City of Luxemburg	May 12, 2003 Boris Eliosov April 22, 2003 Luxemburg 31 CP (Wastewater Construction) C05 (Biological Treatment) 310 567-64.2(9)a 12.5.1 IIW 567-64.2(9)d riance Request: has submitted a project for sanitary sewer ex	13. Decision: Date: 513 53 14. Appeal: Date:
feet of 6 - inch sew inches for sewered 16. Consulting Engine	er at a slope of 1%. Iowa Design Standard 12 communities.	.5.1 requires the minimum pipe diameter
the proposed sewer 17. Department's Just		
Recommend variance approval:		
The proposed sewer is an extension from the existing 6-inch pipe and will be installed at a slope greater than that of the downstream 6-inch segment. For this reason, the capacity of the system is defined by the capacity of the existing downstream pipe and will not increase if 8-inch pipe is used in the proposed project. The proposed sewer will have enough capacity (260,000 gpd) to accommodate the design PHWW flow of 9,600 gpd. The full flow velocity of 2.5 ft/s exceeds the design standard requirements. For unsewered communities, the 6-inch pipe can be used for the last 800 feet of sewer. 515 feet of the downstream 6-inch pipe were installed when the City was considered unsewered. If the design variance is approved, the total length of the 6-inch segments will be 1,039 feet. Although this is more than 800 feet allowed by Iowa Design Standards, the proposed extension will not significantly affect the performance and capacity of the collection system.		
Lisbon - Approved 1/	11/89; St. Anthony – Approved 8/9/2002	D. 4. 5/12/2002
19. Staff Reviewer:20. Supervisor:21. Authorized by:	18 Llioser JRiessen	Date: $5/12/2003$ Date: $5/(3/03)$



STATE OF IOWA

THOMAS J. VILSACK, GOVERNOR SALLY J. PEDERSON, LT. GOVERNOR

DEPARTMENT OF NATURAL RESOURC

JEFFREY R. VONK, DIRECT

May 12, 2003

The Honorable Ronald Ungs Mayor of Luxemburg 200 S. Andres Street P.O. Box 19 Luxemburg, IA 52056

RE: West Side Sanitary Sewer Extension

IDNR #6-31-58-0-01

Dear Mayor Ungs:

The Iowa Department of Natural Resources received your engineer's variance request from Design Standard 13.5.1. This design standard requires minimum diameter of 8-inch for gravity sewers.

Your engineer's letter indicates that the proposed sewer is an extension from the existing 6-inch pipe. For this reason, the capacity of the system is defined by the capacity of the existing downstream pipe and will not increase if 8-inch pipe is used in the proposed project.

According to Iowa Design Standards, Chapter 12, item 12.5.3(d), the variance request is approved as being substantially equivalent to the design standard requirements.

If you have any questions, please contact Boris Eliosov at 515/281-7953. My telephone number is 515-281-5029.

Sincerely,

Jack Riessen, Chief Water Quality Bureau

c.: IIW Engineers & Surveyors, P.C. Field Office # 1

Dennis F. Waugh, PE/SE
Charles A. Cate, PE
Gary D. Sejkora, PE
Michael A. Jansen, PE/SE
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Boris Eliosov Wastewater Permits Section Department of Natural Resources 502 East 9th St. Des Moines, Iowa 50319

Re:

City of Luxemburg, Iowa

West Side Sanitary Sewer Extension

Request for Variance IIW Project No: 02239-01

Dear Boris:

On behalf of the City of Luxemburg, Iowa, we hereby request DNR approval of a variance from design standards to allow a 6 inch sanitary sewer extension.

Prior to 1999 the community of Luxemburg was without sewer service. In 1999 the city constructed a wastewater collection system funded in part by USDA Rural Development. Being a community without a sewer system, six inch sewers were allowed by existing DNR standards. As such the USDA would not allow larger than minimum size sewers. Therefore a six inch sewer was installed.

When the property owners on the west side of Luxemburg decided to build a replacement house they wanted city sewer service. The nearest sewer is an existing six inch sewer. This six inch sewer has adequate capacity to handle the flow from the new house and the 3 possible future lots.

We do not foresee a problem with the construction of a six inch sewer extension in Luxemburg. We hope that the DNR can grant the variance.

Sincerely,

IIW ENGINEERS & SURVEYORS, P.C.

Dany Sijkora iko

Gary Sejkora, P.C.

bc

Civil Engineering
Structural Engineering
Environmental Engineering
Municipal Engineering
Transportation Engineering
Architectural Engineering
Land Surveying
Quality Control Testing
Information Technology

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