

March 25, 2009

Mr. D. Garrett Nordstrom
Governmental Assistance Services
905 Joseph Drive
Lawrence, KS 66049

Dear Mr. Nordstrom:

I have reviewed the proposed project to upgrade the sewer system of the City of Overbrook.

Based on the documents attached to your request, it does not appear that there are any potential geologic hazards worth noting that might impact this project.

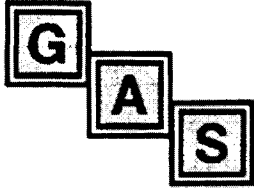
The above discussion represents our best assessment based on the information that the Kansas Geological Survey has about this locality and/or proposed project at the time of this writing. Other geologic conditions, not discussed herein, or for which the Kansas Geological Survey has no knowledge, may affect the viability or safe operation of this facility or property. The information provided in this letter is from regional or countywide studies and should not be used as a substitute for detailed site characterization by a licensed geologist or engineer. It is the responsibility of the applicant to provide any required site characterizations.

If you have questions please do not hesitate to contact me at my office (785 – 864-2068).

Sincerely yours,



P. Allen Macfarlane



Governmental Assistance Services

905 Joseph Drive

Lawrence, Kansas 66049

785-832-2141 • Fax 785-832-1111

Toll Free 888-832-3335

e-mail: gasdonnaa@sunflower.com

Kansas Geological Survey
Debbie Douglass
1930 Constant Ave.
Lawrence, KS 66047-3726

RE: Environmental Review- City of Overbrook, KS Wastewater System Upgrade

The City of Overbrook, KS was awarded a Community Development Block Grant by the Kansas Department of Commerce to upgrade their sanitary sewer system. A total project cost has been estimated to be approximately \$820,000. Project construction will take place within the city limits of Overbrook, KS or the NW¼, SW¼, SW¼ of Section 5, Township 15S, Range 17E of Osage county, KS. Improvements to the sanitary sewer system will include TV inspection and upgrade of approximately 9,137 LF of collection lines with CIPP liner and rehabilitation of 19 manholes. Twenty-four thousand LF of lagoon piping will be installed and 7 water control structures will be added to the system. Additionally; wastewater treatment lagoons #3 and #4 will be upgraded with a geotextile liner and riprap. The disturbed vegetation will be re-seeded and a fence will be constructed to secure the area.

The City of Overbrook is requesting comments from your office concerning the environmental impact of this project. Comments submitted from your office will become public record and be included as part of the Housing and Urban Development's Environmental Assessment. Please remit comments to D. Garrett Nordstrom c/o Governmental Assistance Services, 905 Joseph Dr. Lawrence, KS 66049. Please respond by March 9, 2009.

Thank you,

D. Garrett Nordstrom

Enc/cost estimate, project map,

DGN

Estimated Project Costs

Engineer's Estimate of Probable Project Cost
Wastewater System Improvements – Phase II
Overbrook, Kansas

Alternative 2

<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total Cost</u>
1. Mobilization	Lump	Sum	-	\$30,000
2. Clean & Video Sewers	9137	LF	\$1.80	\$16,450
3. CIPP Liner	9137	LF	\$30.00	\$274,110
4. Spot Repair	1	Ea.	\$1,000.00	\$1,000
5. Manhole Liner	19	Ea.	\$1,400.00	\$26,600
6. Lagoon Piping	2400	LF	\$40.00	\$96,000
7. Water Control Structures	7	Ea.	\$4,000.00	\$28,000
8. Repair Berms	1500	CY	\$5.00	\$7,500
9. Riprap Berms	2200	Ton	\$60.00	\$132,000
10. Geotextile Fabric	44000	SF	\$1.00	\$44,000
11. Seeding & Mulching	1	ac	\$2000.00	\$2,000
12. Lagoon Fencing	1100	LF	\$10.00	\$11,000
<u>Total Estimated Construction Cost</u>				\$668,660
Design Engineering				\$68,000
Construction Inspection				\$54,000
Grant Administration				\$20,000
Legal Services				\$10,000
<u>Estimated Project Cost</u>				\$820,660
CDGB Grant (50% project Cost)				\$400,000
KWPCRF Loan (50%)				\$420,660
Semiannual Loan Payment (2.94%, 16 yr)				\$20,465
Average Monthly Bill Increase (430 billed customers)				\$7.93

