

June 26, 2007

David E. Cox
Utilities Engineering Manager
City of Olathe
P.O. Box 768
Olathe, KS 66051-0768

Dear Mr. Cox,

I have reviewed the proposed lime sludge monofill project of the City of Olathe.

Based on the documents attached to your request, I note that the additional land to be used for trenching is very close to the Kansas River on the cutbank side of a tight meander. My concern would be the long-term stability of the in-place waste given that the river is likely to erode further into the cutbank and move closer to the filled trenches next to the river. Breaching of the trenches by the river and transport of the exposed waste may not pose downstream hazards, but if the objective of the disposal is long term containment, then this potential hazard should be evaluated further.

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



June 11, 2007

**Kansas Geological Survey
University of Kansas
1930 Constant Avenue, Campus West
Lawrence, KS 66047**

Re: City of Olathe, Kansas
Application for Expansion of Existing Lime Sludge Monofill
Current Permit No. 548

To Whom It May Concern:

The City of Olathe, Kansas is preparing an application to the Kansas Department of Health and Environment for Expansion of the City's permitted Lime Sludge Monofill.

The proposed expansion will add another 70 acres overall to the currently permitted site of 30 acres. The City proposes to use 29 acres of the 70 additional acres for lime sludge monofill area. The existing capacity of the site will be used up with this summer's fill. The additional 70 acres is estimated to add 33 years to the life of the monofill area. All of the property is owned by the City of Olathe.

The site is located at 79th and Gardner Road, just east of De Soto, Kansas in Johnson County, in the NW $\frac{1}{4}$ of Section 25, Township 12 S, Range 22 E. The current site has been used as a combined ground water well field and lime sludge disposal site. The entire site, including the previous monofill area, is being farmed for crops. The current crop on the site is wheat.

Each summer the City takes bids for contracting the removal of lime sludge from Water Plant 2 lagoons, which are located approximately 2.5 miles east of the monofill site. The contractor is given 60 days to open the trench at the monofill site then remove and transport it to the site (trench), and then immediately backfill the trench. The current site has been permitted and in operation for 18 years.

We would appreciate it if you would review the proposed expansion and location, and provide us with any comments that you might have, within 30 days from the date of this letter.

Please send your responses and comments to:

David Cox, Utilities Engineering Manager
City of Olathe Municipal Services
P.O. Box 768
Olathe, KS 66051-0768

Please contact me at (913) 971-9056 or via email at dcox@olatheks.org if you have any questions or concerns.

Sincerely,

A handwritten signature in black ink that reads "David E. Cox". The signature is written in a cursive, flowing style.

David E. Cox, P.E.
Utilities Engineering Manager
City of Olathe

Enclosure: site plan

- Legend**
- Vertical Well
 - Olathe Collector Wells
 - Piezometers
 - Railroads
 - Floodway
 - 100' Well Setback Radius
 - Existing Monofil
 - Future Monofil Area

