Fields of Opportunities

STATE OF IOWA

TERRY E. BRANSTAD, GOVERNOR
KIM REYNOLDS, LT. GOVERNOR

DEPARTMENT OF NATURAL RESOURCES
CHUCK GIPP, DIRECTOR

December 21, 2012

Kam Reeves, WPCF Operations Supervisor
City Hall
105 E. 3rd. St.
Ottumwa, IA 52501

RE: Flow Equalization Basin Clean-out
Ottumwa Water Pollution Control Facility NPDES # 6-90-83-0-01

Dear Mr. Reeves:

This letter follows our telephone conversation of 11-21-2012 concerning cleaning out accumulated solids from the flow equalization basin. As we discussed, the city is planning on dredging out the sludge that has accumulated, taking it to the sludge pad at the treatment plant to dry out, and then final disposal through land application.

Although this material is probably more sand and grit than a wastewater sludge, it should be disposed/land applied according to the Chapter 67 regulations for municipal sewage sludge.

In addition to the routine metal and nutrient sampling for Class II sewage sludge, the Chapter 67 regulations require testing or processes to provide vector attraction reduction (VAR) and processes to significantly reduce pathogens (PSRP). PSRP is probably most easily verified through sub-paragraph 67.8(1)b(1) which is the seven fecal coliform samples. Other methods applicable to this type of material may include air drying or lime stabilization.

VAR could be verified through the SOUR test (67.8(1)c(2), or other methods could include lime stabilization or land application followed by incorporation.

If you have any questions, feel free to contact me at this office.
A copy of IAC-CH. 67 is enclosed for your reference.

Sincerely,

FIELD SERVICES & COMPLIANCE BUREAU

Paul Brandt

Paul Brandt
Environmental Specialist Senior

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xc: Records Section, DNR, Des Moines
Facility File - Municipal