Fields of Opportunities

STATE OF IOWA

CHESTER J. CULVER, GOVERNOR
PATTY JUDGE, LT. GOVERNOR

DEPARTMENT OF NATURAL RESOURCES
RICHARD A. LEOPOLD, DIRECTOR

May 28, 2009

David Plyman, City Administrator
City of Washington
215 E. Washington St.
Washington, IA 52353

RE: Wastewater Facility Plan
NPDES #6-92-71-0-01; Consent Administrative Order #2007-WW-13-A1

Dear Mr.Plyman:

I am writing regarding the Washington wastewater facility plan and the recent e-mail dated **5-21-2009** from Steven Troyer, Fox Engineering Associates.

Your facility plan was originally submitted by H.R. Green last summer. Upon reviewing the plan, Terry Kirschenman, DNR Wastewater Section, requested additional information/revision to the facility plan and a schedule for submitting the revised plan. Fox Engineering proposed a date of **5-29-2009** for submitting the amended plan which this office agreed to (letter of 3-13-2009).

In this most recent e-mail, your consultant is now asking to extend the submittal of the revised facility plan to **7-20-2009** due to the uncertainty of an agreement between the city and the bio-diesel plant. We will grant this extension, however, it is our feeling that this is a very late stage in the plan to still be working on negotiations between the city and an industrial contributor whose loading is critical to the plant design. We will not be inclined to consider any further delays in this project.

Following that, the consent order calls for submitting preliminary plans and specifications by **4-1-2010**. We feel this is still sufficient time to complete preliminary plans and specifications and we will not be making any modification to subsequent dates in the order. Be aware that the consent order carries stipulated penalties for failing to complete any action by its specified date.

For informational purposes, after the revised facility plan on **7-20-**2009 the next item due in the order is a semi-annual progress report by **7-31-2009.** If you have any questions in this matter, feel free to contact me in this office.

Sincerely,

FIELD SERVICES & COMPLIANCE BUREAU

Dennis Ostwinkle
Field Office Supervisor

J:\pbrandt\ww\wash0509-ltr

xc: Terry Kirschenman, Wastewater Section, DNR, Des Moines
Jon Tack, Legal Section, DNR, Des Moines
Steven Troyer, Fox Engineering Associates, 1601 Golden Aspen Dr., Suite 103
Ames, IA 50010
File- Washington Municipal

Suspense **7-20-2009 & 7-31-2009**

Environmental Services Division, Field Office #6, 1023 W. Madison, Washington, Iowa 52353-1623 Tel 319-653-2135 Fax 319-653-2856
WALLACE STATE OFFICE BUILDING / DES MOINES, IOWA 50319
515-281-5918 TDD 515-242-5967 FAX 515-281-6794 www.lowadnr.com

Brandt, Paul [DNR]

From: Kirschenman, Terry [DNR]
Sent: Thursday, May 21, 2009 4:06 PM
To: Steve Troyer; Brandt, Paul [DNR]; Tack, Jon [DNR]
Cc: 'David Plyman'; 'Fred E. Doggett'
Subject: RE: City of Washington -- draft schedule G
Attachments: 090521DesignSchedule G.pdf

Steve,

My initial reaction is not move the ADW design flow down from the previously agreed to design value. The other flow values are conceivable with a leaky collection system.

It will have to redone, but the last WLA was performed on February 3, 2009 rather than 2/3/08.

On the scheduling change request, I must defer to Field Office 6 and/or Jon Tack.

Terry,

From: Steve Troyer [mailto:sjt@foxeng.com]
Sent: Thursday, May 21, 2009 3:13 PM
To: Kirschenman, Terry [DNR]; Brandt, Paul [DNR]
Cc: 'David Plyman'; 'Fred E. Doggett'
Subject: City of Washington -- draft schedule G

Terry,

Please find attached a *draft* Sched. G for the City of Washington, for your review. Based on our analysis of the data, we have made a number of revisions, including the population projection, existing and projected flows, and projected industrial growth/loads.

I also wanted to inform you that we will not be able to submit the facility plan amendment before the end of May as we had discussed. The delay has to do with the biodiesel industry in town, which is currently hauling their waste to another community for treatment. If the new facility is designed to handle this waste, the City would like the industry to pay an appropriate portion of the new facility cost, as well as operational costs. The industry initially indicated they would prefer to keep hauling the waste, but has since reconsidered. The City and industry have not yet come to an agreement, and it is difficult to complete the facility plan amendment without knowing what the load is going to be (please note that the attached draft schedule G does include the biodiesel industry load). I respectfully request to extend the date for submission of the facility plan amendment to July 20, 2009. This will not delay the overall project, as we will still be able to submit preliminary drawings for the new plant before April 2010.

If you would like to discuss this further, please let me know. Thank you.

Steven J. Troyer
FOX Engineering Associates, Inc.
1601 Golden Aspen Dr. Suite 103
Ames, IA 50010
(800) 433 - 3469
fax (515) 233 - 0103
stroyer@foxeng.com

Exhibit 11C

Iowa Department of Natural Resources Wastewater Engineering Section

Construction Permit Application

SCHEDULE G, Treatment Project Design Data

DATE PREPARED 05/21/2009	PROJECT IDENTITY	DNR USE
DATE REVISED	Washington Wastewater Treatment Plant Improvements - 2009	PROJECT NO.
		PERMIT NO.

1. Project Description City of Washington wastewater treatment plant replacement

2. Design Flows	Present Year (2009)		Design Year (2030)	
Design Condition →	AWW (MGD)	MWW (MGD)	AWW (MGD)	MWW (MGD)
Domestic/Commercial Flow	5.90	8.51	6.4	9.01
Industrial				
Flow	~0	~0	0.02	0.02
Rated Flow				
Other Flow (specify)				
Infiltration/Inflow				
Total				
Flow	5.90	8.51	6.42	9.03
Rated Flow				

Average Dry Weather Flow (ADW): 1.01 MGD (present year), 1.27 MGD (design year)

Peak Hourly Wet Weather Flow (PHWW): 17.02 MGD (present year), 18.06 MGD (design year)

Demographic Data: Population 7,721 (present year), Population 8,000 (design year)

3. Organic Design Loadings		Present Year (2009)		Design Year (2030)	
Design Condition →		Max. 30 day (#/day)	Max. Day (#/day)	Max. 30 day (#/day)	Max. Day (#/day)
Domestic/Commercial	BOD_5	1,974	4,949	2,446	5,775
	TSS	4,008	9,291	4,781	10,693
	TKN	227	517	408	969
Industrial	BOD_5			800	800
	TSS			30	30
	TKN			2	2
Other (Specify)	BOD_5				
	TSS				
	TKN				
Total	BOD_5	1,974	4,949	3,246	6,575
	TSS	4,008	9,291	4,811	10,723
	TKN	227	517	410	971

4. Effluent Limitations		BOD_5		TSS		NH3-N (most stringent month)		Other		Other	
		Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max
Operation Permit Effluent Limits*	mg/l	25	25	30	45	1.0	9.5				
	#/day	682	682	818	1,227	27	258				

*Date of Waste Load Allocation (WLA) determination: February 3, 2008

5. Major Industrial/Commercial contributors or Significant Industrial User:

Waste Contributors	Pre-Treat (Y/N)	Operation		Design Loadings						
				Flow		BOD5 #/day	Susp. Solids #/day	TKN #/day	Oil & Grease #/day	#/day
		Hrs/ Day	Days/ Week	Ave. MGD	Max. MGD					
Iowa Renewable Energy	N	24	7	0.01	0.01	800	30	2	0	0