Clinton

Assistance Detail

Assistance ID: 66715

Contact: David Dechant Date: 01/30/2014

Assistance Type: Compliance Meeting Staff: Paul Brandt

Program Type(s): Wastewater

Note(s):

Date: 02/04/2014

Sender: paul.brandt@dnr.iowa.gov

Had UV project initiation meeting (conference call) on 1-30-2014 with representatives from HDR, Clinton WWTP, DNR Central Office and FO#6. Pilot Testing and Feasibility Study are complete. The next thing is a facility plan due in August 2015 and then start construction April 2017 and complete by April 2018. Since Clinton has other CSO projects going on and money being spent, they plan to stick to the schedule on this and not plan to complete it early.

Site Detail

Site Name:	Clinton City Of Stp	State ID:	310639315
Location Address:	1901 BEAVER CHANNEL PARKWAY	Derived Address:	False
City/State/Zip:	Clinton Iowa 52732	Direction:	
County:	Clinton	GIS Accuracy:	20
Field Office:	FO 6-Washington	Location Comment:	Enter off Beaver Channel Parkway
Township Name:	CLINTON		

Sec: 23 Tier: 81 Range: 06 E

Program Name	Program Id
Wastewater - NPDES Wastewater Treatment Operating Permit	2326001

Clinton

IOWA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL SERVICES DIVISION

To: City of Clinton Project No. S2014-0195
From: Jim Oppelt, IDNR Wastewater Engineering
Date: 1/30/14 – 10:00 am CST
RE: Project Initiation Meeting Minutes

Attendees: Dan Riney – City of Clinton
Bob Milroy – City of Clinton
Eric Evans – HDR
Dave Dechant - HDR
Jim Oppelt – IDNR Wastewater Engineer
Anne Hildebrand – IDNR NPDES Permit Writer
Paul Brandt – IDNR Field Office 6

- On 1/30/14 at 10:00 am CST a project initiation meeting was held to discuss wastewater improvements for the City of Clinton, Iowa.

- Background:

  Disinfection was not included in the recent WWTP project. UV was the owner's preferred method of disinfection. Results from effluent testing indicated that UV would not effectively disinfect. Transmittance studies were showing the effluent was too dark for UV to effectively disinfect. The color was traced back to Sethness. Sethness is an industry in Clinton that produces concentrated caramel color. The City is currently working with Sethness to reduce the caramel color of their effluent.

  Another reason for delaying the disinfection requirement was that the new WWTP was not constructed. It was unsure of what the effluent quality would be once the new WWTP was operational. In addition, work was not done at Sethness and the cities of Camanche and Low Moor were also added.

  An Amendment to Consent Order, Judgment and Decree was issued on August 17, 2012. That order required an effluent monitoring transmittance study begin on July 1, 2013 and commence on June 30, 2014. Construction must award a contract for construction by April 30, 2017 and complete construction by April 30, 2018. The city must comply with e coli limits by May 31, 2018.

- Meeting Summary:

  The project initiation meeting checklist agenda was covered. Specific Items discussed included:

  - Financing: The city plans to use a local option sales tax to issue bonds. No SRF funding is anticipated.
  - A feasibility study is ongoing. A UV pilot has been effective.
  - Sethness was discharging high color effluent to the City of Clinton. Sethness is getting more control on their discharge with evaporating systems. The City of Clinton put Sethness on a limit of 120 units of color. Sethness has complied with the 120 units of color. The transmittance has been improved and now looks like most types of UV systems could be used.
  - The City of Clinton plans to follow the compliance schedule in the consent order. Therefore, the facility plan will not be submitted until August 31, 2015. A progress report will be submitted on or before May 31, 2015.
  - The meeting adjourned at 10:20 am.

- Additional information:

  - IDNR Wastewater Construction:
    http://www.iowadnr.gov/InsideDNR/RegulatoryWater/WastewaterConstruction.aspx

- Contacts:

  - Construction Permitting:
    Jim Oppelt
    IDNR Wastewater Construction Permit Program
    502 E. 9th Street
    Des Moines, IA 50319-0034
    515/281-8868
    james.oppelt@dnr.iowa.gov

  - NPDES Permitting:
    Anne Hildebrand
    IDNR NPDES Permits
    502 E. 9th Street
    Des Moines, IA 50319-0034
    515/281-7409
    anne.hildebrand@dnr.iowa.gov

- Construction permitting outline: Process steps are shown below with those steps associated with CWSRF funding highlighted. **Strikethrough items have been completed or are not needed**. For more detailed item descriptions, see the DNR Wastewater Construction Permitting Process Project Manual available at:
  http://www.iowadnr.gov/InsideDNR/RegulatoryWater/WastewaterConstruction/ConstructionPermits.aspx

  Wastewater Construction Permitting Process Steps

  Planning

  ~~1. Owner hires AE~~
  ~~2. AE contacts DNR~~
  ~~3. DNR assigns PM~~
  ~~4. PM schedules meeting~~
  ~~5. PM sends monthly operating report (MOR) data to AE~~
  ~~6. Owner sends daily monitoring report (DMR) data to AE~~
  ~~7. AE does data analysis~~
  ~~8. PM sends meeting agenda~~
  ~~9. PROJECT INITIATION MEETING~~
  ~~10. AE submits design loading criteria and WLA request~~
  ~~11. PM reviews criteria and request~~
  ~~12. PM concurs with the design criteria~~
  ~~13. PM requests WLA~~
  ~~14. WR calculates WLA~~
  ~~15. PM sends WLA and anti-degradation determination to engineer.~~
  16. FACILITY PLAN PREPARATION
  17. Owner approves facility plan

  Facility Plan Review/Approval

18. FACILITY PLAN SUBMITTAL
19. PM does preliminary review
20. PM determines adequacy of facility plan
21. ERSC Coordinator works with Owner, AE and others.
22. ERSC provides a preliminary EID to the AE and Owner and coordinates with the AE and Owner to determine a well-timed public hearing.
23. Owner places a 30-day public notice prior to public hearing.
24. PM initiates site survey
25. PM reviews facility plan
26. FO makes site survey contacts
27. FO conducts site survey
28. ERSC prepares a final EID
29. ERSC holds public hearing for CWSRF
30. Owner provides proof of public notice and public comments
31. ERSC reviews EID and public input
32. PM determines if facility plan is approvable
33. ERSC issues FNSI
34. PM sends site approval letter
35. ERSC evaluates comments
36. ERSC issues FNSI clearance letter
37. PM approves facility plan

Plans & Specifications Development and Construction Permitting

38. Owner authorizes AE to start design
39. AE begins construction permit application
40. PM reviews preliminary plans & specifications
41. PM schedules design conference
42. DESIGN CONFERENCE
43. AE continues with design
44. AE submits construction permit application
45. PM reviews application
46. PM determines if application can be approved
47. PM issues construction permit

Project Construction

48. Owner bids project and signs CWSRF loan
49. Consultant submits bid document package to DNR
50. During construction, DNR reviews cost eligibility
51. During construction, owner submits change orders to DNR
52. DNR conducts inspections
53. Owner submits final SRF loan disbursement request.

PM = DNR Project Manager
AE = Consulting Engineer
ERSC = DNR Environmental Review Services Coordinator
WLA = Wasteload Allocation
WR = DNR Water Resources Staff
EID = Environmental Information Document
CWSRF = Clean Water State Revolving Fund
SHPO = State Historical Preservation Office
FO = DNR Field Office
FNSI = Finding of No Significant Impact document