IOWA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL SERVICES DIVISION
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REPORT OF INVESTIGATION

INVESTIGATION DATE: 12/23/2014, 9:00 AM

TO: James Oppelt, DNR NPDES Engineering Section

SUBJECT: Site Survey for the City of Dyersville
NPDES # 3130001
IDNR Work Request #2858

PERSONS CONTACTED: Mike Lansing, Wastewater Operator City of Dyersville
Adam Morris, Environmental Engineer IIW, P.C.

AUTHENTICATION

INSPECTOR: Brett Meyers **DATE:** 1-16-15
Brett Meyers, Environmental Specialist

REVIEWER: Amber Sauser **DATE:** 1-16-15
Amber Sauser, Environmental Specialist Senior

File Name: Dyersville Wastewater Dubuque County, NPDES # 3130001
Efile: 31 WW Dyersville 3130001 Dyersville Wastewater Treatment Plant 122314 site survey bcm

BACKROUND: The City of Dyersville Wastewater Treatment Plant is in the process of the Phase 3 Project upgrade. This site survey was only for an excess flow lift station and extension of the outfall that discharges to the North Fork Maquoketa River.

OBSERVATIONS:
On December 23, 2014, I met Mike Lansing, City of Dubuque, and Adam Morris, IIW at the WWTP. I reviewed the maps received from IIW, reviewed aerial photography, and conducted an onsite visit.

The following separation distances were reviewed:
1) 1000 feet from nearby inhabitable residences, commercial buildings, or other inhabitable structure.
2) 1000 feet from public shallow wells.
3) 400 feet from public deep wells.
4) 400 feet from private wells.
5) 400 feet from lakes and public impoundments.
6) 25 feet from property lines and rights-of-way.

I was unable to determine if the lift station and the proposed outfall would meet the required minimum separation distance of 25' from property lines and right of ways. The project appears to be close to the property located to the southwest of the overflow equalization basin. I recommend surveying of property lines to verify separation distance to property and/or obtain easement agreement if necessary. (# 6 above)

All other separation distances listed above (# 1-5) appear to be met.

Note: The excess flow lift station is going to be built into the southwest corner of the flow equalization basin. Project engineer indicated it will extend approximately half way into the basin's embankment. It is recommended that any construction altering the flow equalization basin shall be properly evaluated to insure structural integrity of the basin.