IOWA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL SERVICES DIVISION
Field Office #1

DATE: September 25, 2019

TO: Walz Energy File

FROM: Tom McCarthy TM

SUBJECT: September 13 2019 complaint inspection with Jared Walz. September 19 2019 follow up drive through inspection.

Filename 22 WW Monona Walz Energy 091319 mem tem

On 09/13/19, I received an anonymous complaint claiming Walz Energy was discharging after 12 inches of rain in several days. A short time later, Jerad Walz called and stated the east basin had breached and he requested a site visit. I noted the following while on site.

1. Jared Walz stated that the area received 8.5 inches of rain over the past several days. I noted the east basin had breached, see photo 1. NH3-N was 0.6 ppm according to Jared's Hach kit. I noted turbid water leaving the site that was similar to the turbidity noted in area streams and rivers

2. The small basin on the east fence line was removed and the area was seeded. Three silt fences were installed, see photo 2.

3. Jared stated wet conditions has delayed mowing in areas that are accessible. Mr. Walz stated he has interseeded some areas of natural vegetation. Much of the site is now heavily vegetated. The number of broadleaf weeds has steadily declined with periodic mowing and weed control since the end of May 2019. Mr. Walz stated he will continue to mow and spray for weeds as needed.

4. Both feed storage basins were full due to heavy rains. Jared stated the basins will be pumped down ASAP.

5. The west basin was overflowing, but the turbidity was fairly normal for heavy rains and was being filtered out by the grassed area below the basin. I noted no NH3-N in the west basin water. Jared stated this water would be discharged through a grassy area.

6. I noted greater than 3 ppm of NH3-N in the middle basin which catches run off from the two feed storage basins, see photo 3. Jared understood this water would have to be land applied.

7. I noted normal turbidity for the conditions at the black Walz tile near Greenfield Ave., the Meyer's grassed waterway below the Walz site and Bloody Run Stream near Greenfield Ave., see photos 4, 5 and 6.

8. We discussed a submittal of a new SWPP that reflects practices on site. Roger Mohn, engineer reportedly is close to submitting the plan.

9. We discussed the submitted NMP was not approvable by this department. Becky Sexton, AFO consultant, is reportedly working on the NMP. I requested that Brian Jergenson, FO1, be contacted for details.

10. On 09/19/19, I conducted a drive through type of inspection and noted the following.

11. Bloody Run Creek at Greenfield Ave. was turbid due to recent rain, but appeared normal for the conditions. Meyer's grassed waterway below the Walz site had normal turbidity for heavy rain falls.

12. I noted most areas of Walz Energy were mowed since my last inspection.

13. The feed storage basin had been pumped down and appeared to have approximately two feet of freeboard as required.

14. The east and west basins had been partly emptied.

15. On 09/20/19 via phone, Jared stated 1.6 inches of rain were recorded on 09/19/19.

16. Weekly SWPPP records were received from Jared on 09/23/19. Corrections were received on 09/25/19.

17. Jared is interested in operating the site as an AFO to start and adding the digester at a later time. I provided Jared with DNR Engineers Paul Petitti's and Thabit Hamoud's contact information for AFO and WW permitting questions.

Photos of Walz Energy September 13, 2019, page 1 of 1.



Photo 1. East basin breached, looking west.



Photo 2. New silt fence at east property line. Area was seeded and small berm was removed.



Photo 3. Middle basin that catches run off from food storage areas. NH3-N is > 3 ppm.



Photo 4. Walz Energy black tile discharge.



Photo 5, Grassed waterway below Walz Energy on Meyer's property.



Photo 6, Bloody Run Creek, notice more turbid water entering from the north. Walz Energy would drain from the south.