

March 11 - 16, 2021 “Rain Event” Timeline

~ **Thursday, March 11, 2021 4:59 p.m.** Scott Tingelhoff emails Brad Pracheil, NDEE Division Administrator Inspection & Compliance, saying Clean Harbors had finished preparing for a potential discharge of filtered water and was awaiting test results from SD Agricultural Laboratories. He also says Clean Harbors has finalized plans for installation of a second Poseidon tank. He writes, “Waiting for SD Agricultural Laboratories information and for NDEE to make a determination on the removal of the last two remaining barricades. Will be set up to pump during the expected rainfall this weekend if barricades still in place. There is room for an additional 2.4 million gallons in the emergency lagoon. AltEn is developing a plan for releasing filtered water. AltEn recovered water from their outfall location via suction truck...removed approximately 4,000 gallons.”

~ **Friday, March 12, 2:16 p.m.** Scott Tingelhoff, AltEn sends email request to Brad Pracheil, NDEE, seeking to remove two remaining barricades at culvert entrance to ENREC and the drainage point on the south end of ENREC.

~ **Friday, March 12, 5:14 p.m.** Brad Pracheil, NDEE responds by email to Scott Tingelhoff, AltEn approving the removal of the drainage plugs. Pracheil wrote, “Based on the sampling results and the information you have provided regarding cleanup actions taken downgrading form (sic) the AltEn facility and your assurance that adequate best management practices (BMP’s) for storm water communicated to you on 3-11-21 have been implemented and are being followed (NDEE staff verified this on 3-12-21). The removal of the culvert plug at Hwy 66 south of Road G and the barricade at the AltEn outfall culvert should not result in a violation of state water quality standards. Thanks, Brad.”

~ **Sunday, March 14, 2021 10:30 a.m.** Tom Buell, NDEE conducts a site visit observing that it was raining and very windy on his arrival. He did not make contact with the facility. At 10:30 a.m. he stopped at Stop 3 located at the intersection of Hwy. 66 and Road 7 and noted that the culvert plug/packer had been removed and there was clear water flowing through the culvert. At 10:45 a.m. he notes at Stop 5, located at the intersection of CR 9 and Road J that the berms had been removed and water was flowing in the drainage. At 10:48 he reported that at the facility on CR 10 water was flowing over the storm water berm. “Following this observation I left the area. After I left the facility I contacted Brad Pracheil to discuss my findings. Brad said he would contact the facility to notify them of our storm water concerns.” (Photo accompanies report.)

~ **Sunday, March 14, 2021 1200 hrs - 1335 hrs.** A site visit is conducted by Dave Bubb, NDEE. His written report indicates that at Site 3 on the west side of Hwy. 66, “the culvert has had the interior ballon, plywood and sandbags removed.” Also at Site 3 (facing east) he notes that “the balloon, plywood and sandbags are no longer present.” Water samples were collected. At Site 2 facing west on the west side of CR 6 he notes much more water than usual from previous visits. At Site 3 facing north on the north side of Hwy. 66 he notes that a large pump and berm across the stream have been removed and collapsible tubing has also been removed. He reports that from CR 10 facing east there is standing water to the south of wet cake piles and on the north side of the north hoop barn. He also notes that water flowed across north/south AltEn access road and into the ditch along CR 10. (Photos accompany this report.)

~ **Sunday, March 14, 2021 12:25 p.m.** According to his report on the matter, Brad Pracheil is contacted by Tom Buell that storm water had breached the storm water berm at the northwest

wet cake pile area just north of the white hoop buildings. Pracheil reports that he made contact with Scott Tingelhoff at 1:00 p.m. and alerted him of the concern. "Tinglehoff says he will have his team check it out," writes Pracheil. Pracheil reports that Tingelhoff made contact with him at 2:12 p.m. to say "they have a pump and hose and will pump water to the lagoon." Tingelhoff provides Pracheil with a photo at 2:35 p.m. where they made improvements to the berm to contain the storm water. (Photo accompanies report.)

~ **Sunday, March 14, in the afternoon** Dr. Judy Wu-Smart arrives on site and finds excessive flooding and water flowing directly from the south side of the east wet cake pile flowing into the culvert.

~ **Tuesday, March 16,** Dr. Wu-Smart finds no soil berm in place to protect the south side of the wet cake pile.

~ **Tuesday, March 16, 2021 2:25 p.m.** Mark Pomajzl, NDEE Program Specialist Wastewater NPDES Compliance Unit, emails AltEn personnel Scott Tingelhoff, Ken Peterson, Dean Egr, and Mary Tingelhoff saying, "How are the berms holding up today? Could you or someone from your staff provide an update each day before you leave? The update doesn't need to be anything fancy just a quick note stating that the berms are still in place or what maintenance was done to them."

~ **Tuesday, March 16, 2021 2:34 p.m.** Ken Peterson, AltEn Plant Manager responds to Pomajzl by email writing, "Checked berms first thing this morning, all was well, no repairs needed. Also just back from checking them again at 2:00 p.m., all is well. I had our operators take some more clay out to the east wet cake area just in case it will be needed later, that way repairs can be made quicker if needed."