

Date	Parameter	Result	Limit	Statistical Base	Units
06/30/2016	LC50 Statre 96hr Acu Ceriodaphnia	77.8	100	min	%

Observation: This is not considered significant non-compliance because of the infrequency of the exceedances.

10. Effluent Disposal: Significant-Out-Of-Compliance

Facilities discharging?	Yes
Discharge location(s) as per permit?	No

Deficiency: Observed and/or potential unpermitted discharges:

- Discharges were observed in the Highlands wastewater treatment area, the processing plant area, and the collection ditches that were neither identified in the permit nor monitored and/or inspected by the facility. A completion and certification has not been submitted by the Chemours nor a release statement provided by the Department; therefore, this area continues to be subject to NPDES requirements. At the Highland processing plant area, a collection ditch which run east to west was observed along the north side of the plant. This ditch was observed to have receive runoff from processing areas, outdoor material storage areas, and the access road. Trails of sediment/site material were observed leading to the ditch along with accumulated material along the ditch. Water was observed flowing in the ditch which appeared to continue west potentially discharging offsite.
 - In addition to the three active treatment ponds (11, 12, and 13), there are 9 inactive ponds from earlier processing periods. These inactive ponds, according to facility's permit, include roughly 654 reclaimed acres. Pond 8 appeared to be actively discharging but is not a permitted NPDES outfall; mine personnel stated that Ponds 1-9 are no longer receiving process water and have been reclaimed, however, no as-built drawings or request to transfer to operational phase have been received for these ponds.
 - Leaky valve at Highland D-002.
 - Stormwater runoff from laydown yard is not managed through an engineered stormwater system and enters wetlands without treatment; pipes are stored in wetlands that are not authorized for disturbance (North Maxville).
 - North Maxville D001 was discharging during inspection due to rotten wooden stop gates.
 - Observed sedimentation overtopping silt fencing around mining areas.
 - Seepage is visible at toe of process water treatment ponds that is not captured and treated prior to discharge (e.g., Pond JD-9 at North Maxville).
- The following were observed during the inspections of the mining and reclamation areas:
- Erosion gully repairs are needed in the reclamation areas on the east side of mine (North Maxville).
 - Material discharge was observed from cell #72 and fill was deposited in a wetland not authorized for disturbance (North Maxville).

Rule/Permit Reference: Rule 62-620.610(20), F.A.C.

Corrective Action: Evaluate the wastewater treatment systems at mining sites for unpermitted discharges and improperly maintained/damaged silt fences. Submit corrective action report on the findings.