

September 27, 2019

North Dakota Public Service Commission  
Patrick Fahn  
600 E. Boulevard, Dept. 408  
Bismarck, ND 58505-0480

**RE: Second Annual Tree and Shrub Planting Survival Monitoring Report for the Dakota Access Pipeline**

Dear Mr. Fahn,

In accordance with the North Dakota Public Service Commission (NDPSC) Tree and Shrub Mitigation Specifications, KC Harvey Environmental, LLC (KC Harvey) is submitting documentation of the reclamation planting survival monitoring for the second year after reclamation for the Dakota Access Pipeline (DAPL).

During pipeline construction, 34,371 trees and shrubs were removed from the DAPL right-of-way (ROW). DAPL was required to mitigate these trees and shrubs at a 2:1 ratio, which would be 68,742 mitigation plantings. An additional 1,311 plants were added to this total for plants that were mitigated at a 3:1 ratio. Further, the PSC set a goal of at least 75% survival of these mitigation plantings by 2020.

KC Harvey planted 88,309 trees and shrubs in 2017 and an additional 52,808 trees and shrubs in 2018 to compensate for the large number of losses due to the severe 2017 drought. KC Harvey conducted the second (of three) annual fall survival monitoring in August 2019. This monitoring of the mitigation plantings, as well as natural regeneration growth along the pipeline ROW, showed 56,114 surviving mitigation plants. This number is approximately 80.1% of the required 2:1 and 3:1 mitigation count and exceeds the 75% survival requirement by 3,574 plants. These monitoring results are documented in the attached report.

Please contact us if you require any additional information.

Sincerely,



David P. Cameron  
Principal  
KC Harvey Environmental, LLC

**413 PU-14-842** Filed: 9/30/2019 Pages: 26  
**Second Annual Monitoring Report of Tree and Shrub Survival**

KC Harvey Environmental, LLC

David Cameron