

PSC Case No. PU-17-181

Oasis Midstream Services LLC

Wild Basin Gas Plant Expansion - McKenzie County

PU-17-181 Reclamation and Vegetation Inspection Conducted 9-24-19

On September 24, 2019, Bartlett & West (BW) conducted a reclamation and vegetation inspection of the Wild Basin Gas Plant Expansion site. Bartlett & West inspector Larry Kirschmann conducted the visual survey of the grounds outside of the production area and outside of the current chain-link fence boundary.

Our inspection began on the northeast side of the Wild Basin Gas Plant and proceeded around the perimeter. Vegetation is well established in all locations along the north side. There is one area (Figure 1) that has some signs of minor erosion that likely occurred some time ago. The area is now heavily vegetated, and a deeper channel has formed where the three large culverts were installed at the fence line. Because this area is well established, it is not a big concern.

Some vehicle ruts were also noted along the fence line in certain areas that have limited vegetation growth (Figure 2). Vegetation growth in these areas may be affected by weed control that is likely occurring along the fence lines to control weeds. We then encountered a new road that was built after we began this inspection contract and was not included in the original as-built inspections conducted previously by Bartlett & West. We identified some minor erosion occurring in the road ditch as shown in Figures 3 & 4, but the adjacent areas of the property are well vegetated as shown in Figure 5.

The south portion of the property has many steep slopes that have significant erosion occurring on them with limited vegetation growth. We also noticed a truck turn around that was constructed on top of a hill that has led to considerable erosion occurring in this area. The erosion has caused a significant channel to form, and likely due to no erosion control measures being implemented. These areas are shown in Figures 6-9.

After the inspection, it appears that certain areas of recent construction have not been fully reclaimed, and we are unaware of any current or future reclamation activities for these areas. The original site that was inspected by Bartlett & West under this contract has seen additional

Bartlett & West

Driving Community and Industry Forward, Together.

development since our last inspection. Therefore, some of these areas of concern may fall outside of the original contract scope area. Generally, the original site in our contract has been adequately reclaimed in the areas that have not seen any recent development. The areas of recent development will require some additional work including installing some erosion control measures and possibly reseeding in the more significantly eroded areas. The following pages include photographs taken during the inspection as well as a location map.

James Landenberger

James Landenberger, P.E.
Project Manager



Figure 1. View looking south at deeper channel where three culverts are located. Area has heavy vegetation growth.

Bartlett & West

Driving Community and Industry Forward, Together.



Figure 2. View looking west at vehicle ruts along the south property fence line near the middle gate.



Figure 3. View looking west at the new road ditch with minor soil erosion that is occurring in the road ditch only.

Bartlett & West

Driving Community and Industry Forward, Together.



Figure 4. View looking west with good vegetation above the ditch, but some minor soil erosion occurring in the ditch.



Figure 5. View looking northwest at good vegetation growth in the field areas and heavy weeds in the new road ditch.

Bartlett & West

Driving Community and Industry Forward, Together.



Figure 6. View looking west at an area of significant erosion which starts at the truck turnaround area.



Figure 7. View looking north at an area of erosion along the west side of the truck turnaround access road.

Bartlett & West

Driving Community and Industry Forward, Together.



Figure 8. View looking south on the side slopes in the production area.



Figure 9. View of the truck turn around area that has seen limited reclamation.

Bartlett & West

Driving Community and Industry Forward, Together.



Location Map