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## English Farms Update

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Justification for why the northeast corner of Section 8-Township 1 North, Range 65 West is not viable for the English Farms tank battery facility:

- 1 Duke Energy has an existing right-of-way 20' wide with a 50' construction allowance for their pipelines. Kerr-McGee also has a 50' permanent right-of way with an additional 25' for construction of pipelines and flowlines running east to west along the north edge of the section. The right-of-ways listed eliminate the option to put the facility along the north edge of the property. To keep the facility in the northeast corner would then push it south considerably into the pivot, thus impacting the surface owners' crop to a greater extent.
- 2 Existing COGCC safety setbacks for wells and property lines/roads do not allow for a traditional facility to be located in the northeast corner. For this particular facility, to limit the facility width to 100', as suggested by the COGCC, would significantly elongate the facility and substantially push it into the crops and center pivot irrigation system.
- 3 Locating the facility in the southwest or the southeast corner of the quarter-section would not significantly reduce setback issues. Further, this would require flowlines to run across the center pivot irrigation. It was specifically requested by the surface owner and included in the Surface Use Agreement to reduce impact to the center pivot irrigation system as much as possible. The southern portion of the section also has adjacent building unit occupants.
- 4 The COGCC has a 75' well setback but Kerr-McGee's safety BMP's call for setbacks of 150' from wells to facility equipment whenever possible. This allows us to safely work on the wells.
- 5 The proposed facility was engineered in a way that locates the separators to the south. In addition, this facility was engineered as a tankless facility design that reduces the number of tanks on location. Traffic and noise will be reduced by using this design.

BMP

## Noise Mitigation

604c.(2).A. Noise: Pending a safety review after construction of the location and tank battery, sound mitigation barriers (hay bales) will be placed on the location to damper noise during drilling and completions to the nearby building unit owner.

Sound surveys that have been conducted on each rig type are utilized to anticipate any additional noise mitigation once a drilling rig is determined.

Location Soil: The top soil from the Tank Battery location will be used on the facility site that we are removing and reclaiming. The top soil for the wells on this location will be placed to the east of the well location.

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