

## MEMO

**DATE:** November 23, 2016

**TO:** Todd Downham *TD*

**FROM:** Michael Reid *MR*

**SUBJECT:** Radiation survey, Wilcox Oil Company Superfund Site, November 21, 2016

The Department of Environmental Quality (DEQ), Radiation Management Section, conducted radiation surveys at Wilcox Oil Company Superfund Site with a Ludlum Model 19, micro Roentgen survey meter (serial number 70543, calibration date December 7, 2015).

Areas of survey are described below:

- At the Northwest of the property (35.842846, -96.385567) the background survey was recorded at 5 to 8  $\mu\text{R/hr}$ .
- Within the property at approximately 35.841466, -96.384756, refractory brick waste containing low level naturally occurring radioactive material (NORM) was recorded at maximum 48  $\mu\text{R/hr}$ .
- Outside the proximity containing the refractory brick waste, recorded survey did not exceed background levels.

The survey results indicated that exposure at the site is below the limits set in OAC 252:410-20-1(c)(3) and (4), [10 CFR 20.1201 and 20.1301(a)(b)(c) and (e)]. The survey results were below the above referenced regulatory limits and are not known to be associated with any health risks associated with radiation contamination.