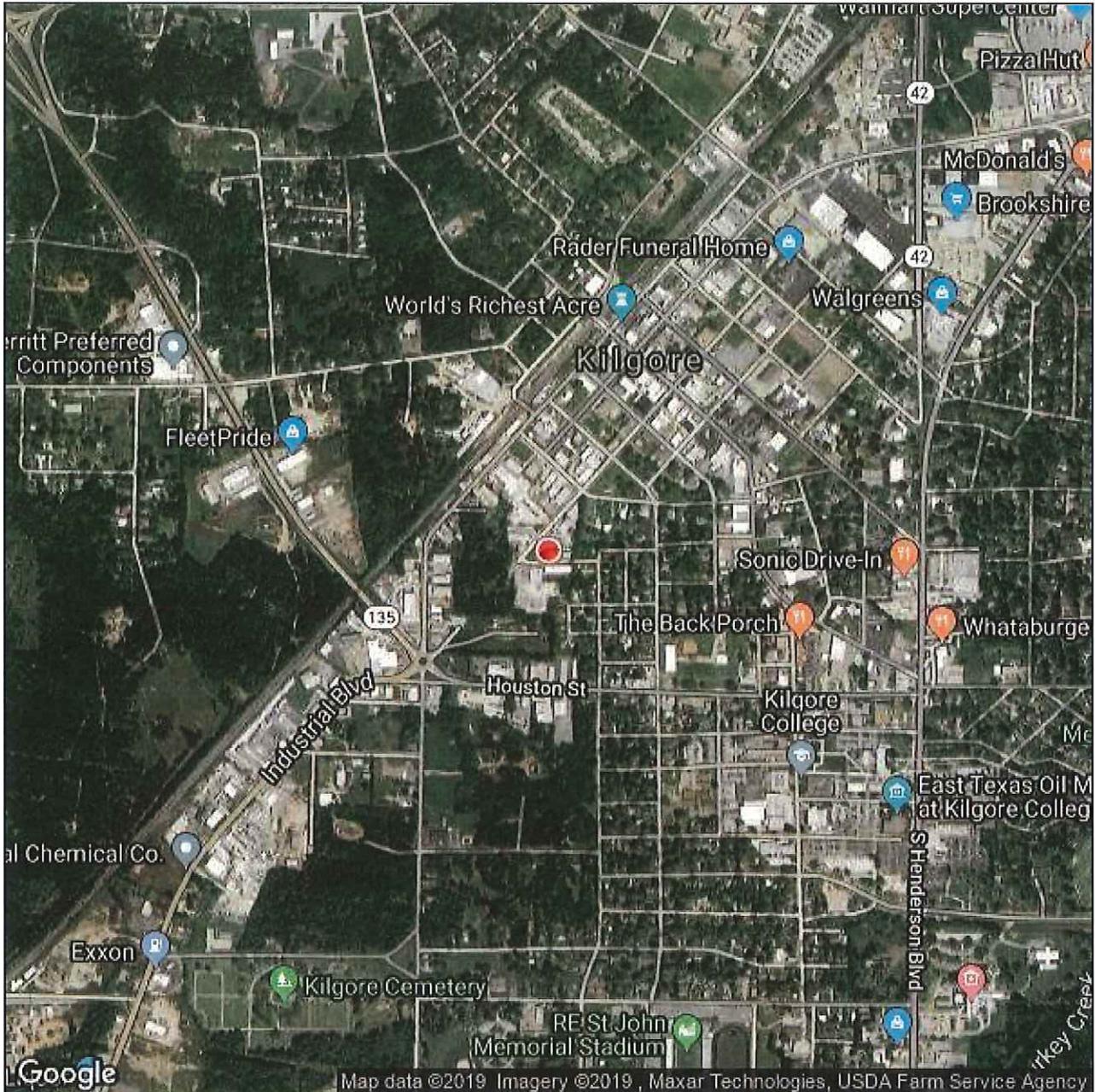




Field Inspection Report
Dunham Engineering, Inc. TX F-2253
(979) 690-6555

Tank ID: Rusk Street EST Pre-Rehab
Owner: City of Kilgore
Inspector: Brad McCrea and Pete Garcia
Date of Inspection: 11/05/2019
Tank Description: 100,000 Gallon EST

Overview Map

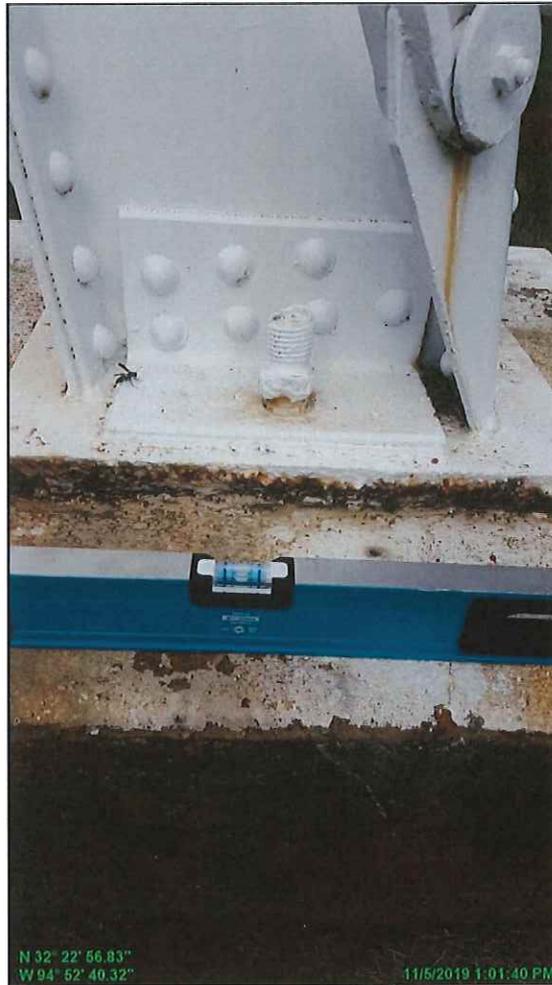




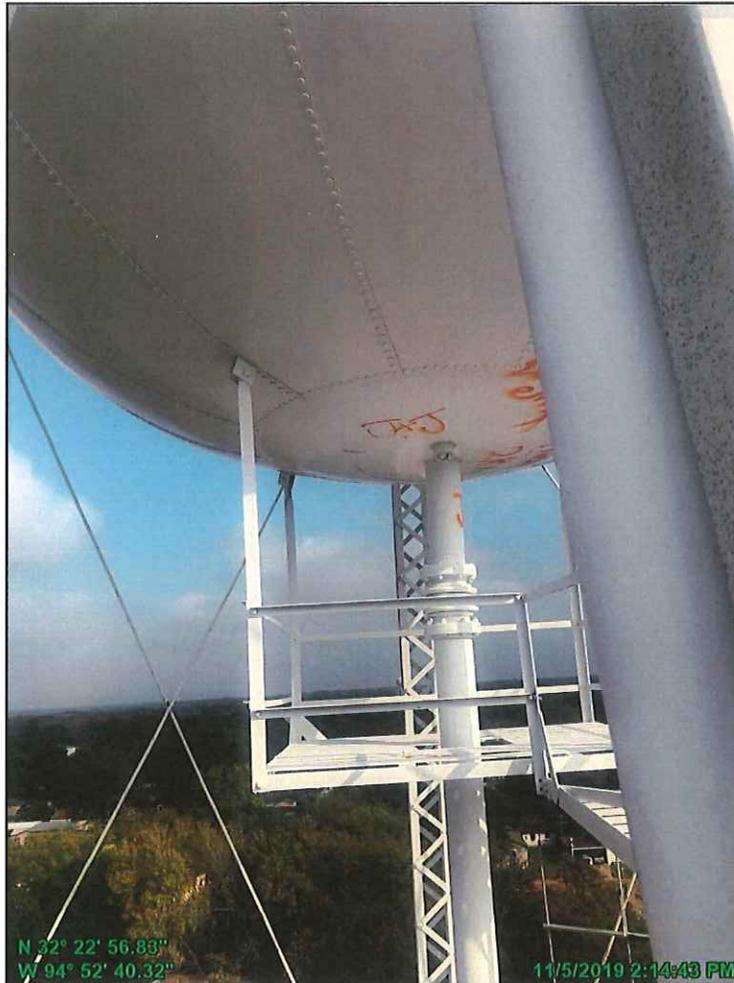
Attributes	
Title	Kilgore 100K Rusk St. EST
Inspection Item	Overview
Condition	Fair - Element performs intended function with a small reduction of reliability.
Notes/Dimensions	<p>This is a 100,000-gallon 4-legged riveted water tower that is approximately 150' tall and 20' in diameter. The tank was erected by Pittsburgh Des Moines Steel Co.</p> <p>Overall the structure is in fair condition, with some minor repairs and upgrades it will be in good condition. The interior coating is in fair condition and is providing adequate corrosion protection for the most part. There is minor to moderate corrosion noted on the interior roof seams and ladder. There are areas on the wall plates that have minor general corrosion blushing through. The exterior coating is severely oxidized but is providing adequate corrosion protection overall. There is localized minor to moderate corrosion on most connection points and detail areas.</p> <p>I was informed that lead abatement was performed on this structure at the last rehabilitation. During this inspection there were areas documented to still have previous existing coating present. There were no signs that this tank has had containment installed on it either.</p>



Attributes	
Title	Kilgore 100K Rusk St. EST
Inspection Item	Riser Pipe
Condition	Poor-Element performs intended function with a significant reduction of reliability
Notes/Dimensions	The nuts and bolts on the bottom flange are moderate to severely corroded. It is recommended to replace these as soon as possible.
Inspector	Brad McCrea



Attributes	
Title	Kilgore 100K Rusk St. EST
Inspection Item	Anchor Bolts and Foundations
Condition	Poor-Element performs intended function with a significant reduction of reliability
Notes/Dimensions	The anchor nuts are in poor condition, and 6 of 8 need replaced. The foundations are level with no signs of uneven settlement, sever cracking or spalling.
Inspector	Brad McCrea



Attributes	
Title	Kilgore 100K Rusk St. EST
Inspection Item	Riser Pipe to Bowl Connection and Cat Walk
Condition	Fair - Element performs intended function with a small reduction of reliability.
Notes/Dimensions	The coating is providing adequate corrosion protection and no leaks were noted.
Inspector	Pete Garcia



Attributes	
Title	Kilgore 100K Rusk St. EST
Inspection Item	Roof Ladder
Condition	Poor - Element performs intended function with a significant reduction of reliability.
Notes/Dimensions	The roof ladder has been shifted to the opposite side of the tank by the high winds. This ladder needs moved back to the roof Manway and anchored.
Inspector	Pete Garcia



Attributes	
Title	Kilgore 100K Rusk St. EST
Inspection Item	Roof Manway
Condition	Fair-Element performs intended function with small reduction of reliability
Notes/Dimensions	The old lock was put in place and secured with a heavy-duty ZIP TIE. This should be replaced at next inspection.
Inspector	Brad McCrea