



Documentation for  
Grease and Odor Control Project  
Using



**PROJECT** - Grease and Odor Control in Lake Dallas, TX

**CLIENT** - Lake Cities Municipal Utility Authority

**LOCATION** – Lift Station #6, 7 & 8



Mark Diciaccio – Operations Supervisor  
Don Johnson – Wastewater Foreman

Lake Cities Municipal Utility Authority  
P.O. Box 2017  
Lake Dallas, Texas 75065

April 10, 2013

Re: Project Documentation for Grease Control Using Micro-Solve® Solubilizer-Demulsifier/Bacteria Accelerator.

Gentlemen,

This report outlines some of the progress of the Micro-Solve® pilot being applied at Lift Station #6 and the added downstream benefits at Lift Stations #7 / Lift Station #8.

The issues listed will remain consistent throughout the pilot. Listed below the issues section, **in bold and underlined for easy reference**, is the progress that has been made up to this point.

**Lift Station #6:**

April 8, 2013 – Seventh Application



April 2<sup>nd</sup>



April 8<sup>th</sup>

The above photos were taken of the wet well at Lift Station #6 in Lake Dallas, Texas.

Issues: This wet well is located at the most outer lying lift station on this collection line. This wet well is said to have the grease “fished” out of it on a weekly basis. The collection line that had a camera is confirmed to be the incoming line to this area, so we are considering alternating applications from the nearest upstream manhole to the wet well every other week. Mr. Don Johnson confirmed that the large grease chunks were from the incoming line that they had jetted out not too long ago.

**At first glance when comparing to the previous week it appears to have slightly more grease in the area. However the consistency of the grease is lighter and fluffier with very little density to the mass. This creates a melting effect on the larger chunks and the grease has actually started to spread out or dissipate. The floats are still free of grease and any fresh grease that has come in to the area is still not solidifying or causing any problems in the station after 7 weeks with no maintenance.**

Dosage: 5 gallons per week alternating between the upstream manhole and the wet well at LS #6.

**Lift Station #7:**

April 8, 2013



April 2<sup>nd</sup>



April 8<sup>th</sup>

The above photos were taken of the wet well at Lift Station #7 in Lake Dallas, Texas.

Issues: Don confirmed that they are cleaning the grease out of this wet well on a weekly basis and that there are other areas tying into this lift station that account for approximately 50% of the flow entering the area.

**This lift station continues to be maintained at the same conditions as previous weeks. There is fresh grease coming into the area but it is being taken care of, not solidifying, or causing any issues with the lift station. Since we are only treating half of the water that is coming into this lift station we can assume that the additional grease that is collecting is coming from other areas. Even with only treating half the water Micro-Solve® has kept the grease from causing any problems after 7 weeks with no additional maintenance being preformed.**

Dosage: None being applied at this area.

**Lift Station #8:**

April 8, 2013



March 26<sup>th</sup>



March 26<sup>th</sup>

The above photos were taken of the wet well at Lift Station #8 in Lake Dallas, Texas.

Don confirmed that they are cleaning the grease out of this wet well on a weekly basis and that there are other areas tying into this lift station. There is currently an odor concern at this wet well and carbon filters are in place, but rarely changed. There is also some calcified grease that has collected around the rim of the well and the pipe leading up the left side of the photos.

**As you can see there continues to have fresh grease coming into the area but it is not solidifying or causing problems and there are no large chunks of grease that have collected. This Lift Station is currently at a maintenance level.**

Dosage: None being applied at this area.



Thanks again for the time and effort that is being put into this pilot program. Feel free to contact me or Jeremy Love if any questions or concerns arise. Have a wonderful weekend.

Sincerely,

Jeremy Love  
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### Chuck Jones

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