

**Village Creek
Water Reclamation Facility
Biosolids Program Settlement
and Contract Update**



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Water Department
May 11, 2015

1

Overview

- Biosolids Background
- Community impact nuisance issues
- City of Fort Worth Actions
- Regulatory Impact
- Contractor Claim Update
- Contract Extension Update
- Biosolids Facility Update
- Next Steps

2

1/1/2015

Fort Worth Biosolids

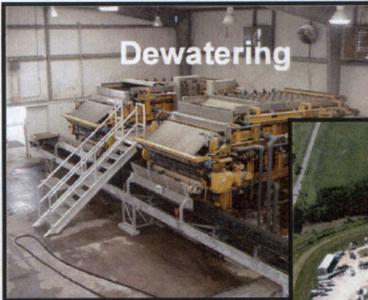


- Member of National Biosolids Partnership since 2005
- Environmental Management System Certified

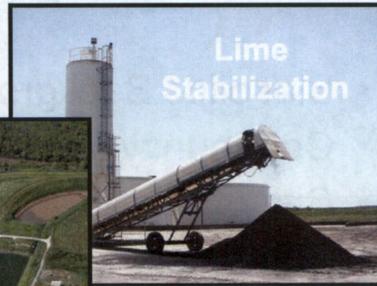
- Farmers & Ranchers prefer Biosolids as a fertilizer
 - Excellent soil amendment
 - Improves moisture content
 - Less expensive than commercial fertilizers



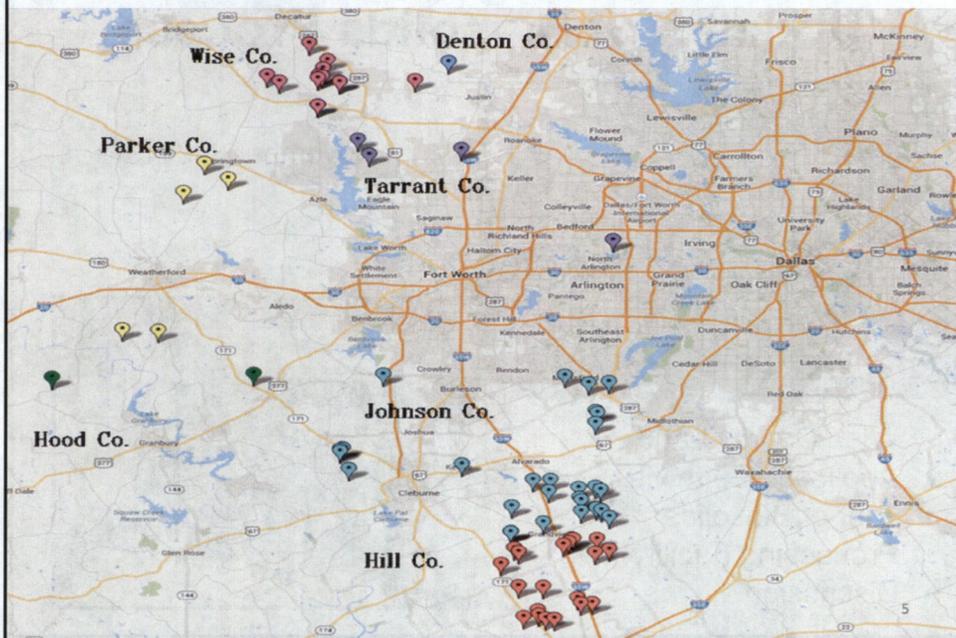
Biosolids Processing Facility



80 dry tons per day



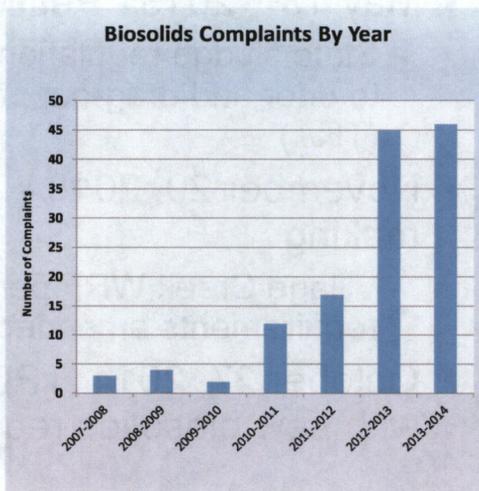
74 TCEQ Notified Application Sites



Fort Worth Biosolids Increased Odor Complaints

Due to:

- Changing wastewater conditions
- Poor solids settling
- Inefficient biosolids dewatering



Outreach, Tour, Education and Updates of Biosolids Process



November 8, 2013

- Wise County Land Application Site visit
- Tour of Biosolids Processing Facility
- Discussion



Citizen Action Initiates Regulatory Response

- May 13th, 2013 - Petition to TCEQ
 - State sludge regulations amended in response to odor and drag-out problems in Ellis County (TRA)
- November 20, 2013 - TCEQ statewide rule making
 - Village Creek WRF permit biosolids requirements amended
- October 27, 2014 TPDES permit issued with new biosolids requirements

COFW Biosolids Processing and Monitoring Improvements

Application Site Monitoring



Aeration of Sludge Storage Tank



Addition of 5th and 6th Belt Press



Chemical Addition



9

Contractor Land Application Process Improvements

Truck Cleaning



Staging Area

Mud Flap Cleaning



Site Departure



Road Clean-up

10

Regulatory Impacts

- COFW and Contractor
 - Odor Control Plan
 - Daily odor monitoring at SOL and Land App sites
 - Increased record keeping
 - Increased biosolids staging management
 - Signage
- Contractor amendment settlement claim request



11

Biosolids Contractor Claim Update

- Contractor Contract Claim
 - Time period November 2012 to November 2014
 - Amend price per dry ton to \$246.20 time period December 1, 2014 to March 31, 2015
 - \$4.67 M payment (from \$ 9.4 M claim)

12

Biosolids Contract Amendment Update

– Final Contract Extension

- Period - April 2015 to March 2020
- Approved November 12, 2012 M&C C-25981
 - Related to Johnson Controls Energy Savings Performance Contract
 - Five year cost - \$45,411,304

13

Biosolids Contract Amendment Update

– Contract Amendments due to Regulatory & Condition changes

- Rate change from \$246.20/ dry ton to \$56.86/wet ton
- Consumer Price Index (CPI) change to 75% Urban Wage Earners and Clerical Workers Index and 25% Department of Energy's Diesel Price Index
- Contract increase - \$21,919,056
- Total Contract - \$67,330,360

14

Biosolids Facility Update

- 6th Belt Press and supporting infrastructure
 - Revised comments to Change Order #11 submitted to RENDA January 23, 2015
 - Estimated cost \$2.3 M
 - Anticipate start construction mid – late summer 2015
- Biosolids Facility Improvements
 - Request for Proposals meeting with consultants January 15, 2014
 - Upgrades to solids thickening
 - Upgrades to Biosolids dewatering facility
 - Request for Proposal Advertisement February 12, 2015

15

Next Steps

- Council Action – May 5, 2015
 - M&C Biosolids Contract Amendment Approval

16