

| Lampasas River Watershed Partnership Waste Water Infrastructure Work Group | | |
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| 4.19.2010 | 2:00 – 5:00 pm | City of Lampasas – Council Chambers |
| Attendees | Lisa Prcin, AgriLife Research Pamela Casebolt, Texas State Soil and Water Conservation Board Joe Hines, City of Harker Heights Kristina Ramirez, City of Killeen Danny Stephens, CH2M Hill – Lampasas | |

- ❖ Introductions
- ❖ Power Point Presentation provided
 - Printed copies provided as handout
- ❖ Interactive Discussion about Stakeholder Concerns
 - Waste water treatment facilities within the watershed
 - City of Lampasas
 - City of Copperas Cove – Big Valley WWTF
 - City of Killeen – currently no direct discharge only land application of effluent and solid wastes are pumped to WCID#1
 - Aging WWTF infrastructure
 - Clay sewer pipes may crack or bust as they age
 - City of Lampasas has replacement costs for aging pipes as part of annual budget
 - Improper maintenance of on-site sewage facilities (OSSFs) by homeowners
 - Homeowners may be applying too little or too much Chlorine to OSSFs
 - Animal wastes
 - City of Killeen has an animal ordinance
 - Controls the feral cat population
 - Dogs and cats must be registered with the city
 - Limits the number of animals residents can have
 - Small livestock waste; i.e. goats
 - Animals in small areas with little ground cover
 - Discussed Solutions
 - Economical solution to monitoring for enterocci could possibly be testing for polio vaccine within sample to determine if source was human
 - Inflow and Infiltration Studies are being conducted in City of Harker Heights and City of Killeen, including flow monitoring, testing of lines with smoke, evaluating capacity, and using cameras
 - City of Killeen and City of Harker Heights both have programs available for homeowners with OSSFs to connect to the city sewer lines
 - City of Harker Heights – Community Development Block Grant
 - City of Killeen – Septic Tank Elimination Program
 - Cities of Harker Heights and Killeen both have active drainage programs
 - Additional water quality monitoring is needed with permanent stations in areas of high growth to monitor changes in the water quality and to avoid blanket pollutant loadings in the event of a TMDL

- ❖ Initial Land Use/Land Cover Analysis
 - Types of land use – water, urban, forest, pasture, managed pasture, rangeland, barren, and crops
 - Rangeland and Pastureland Separate or Combined
 - Difficult to distinguish between rangeland and pastureland even using satellite imagery
 - Habitat and Wildlife work group was asked to decide whether to have rangeland and pastureland as separate land use categories for analysis or to combine rangeland and pastureland into one category for land use analysis. Agricultural Issues work group will be asked this at their 4/19/10 meeting.
 - Necessary to help distribute livestock, wildlife and feral hog populations across appropriate land uses
 - OPTION 1: Rangeland and Pastureland Combined was chosen by the Habitat and Wildlife work group for use in accuracy based on ground-truthing
 - Wastewater Infrastructure work group members questioned the definition of barren classification; if barren is adjacent to urban, should it also be classified as urban because it will likely be developed in the near future?

- ❖ Sources and Distribution of Nonpoint Source Pollutions
 - SELECT modeling
 - SELECT uses estimated populations and land use to estimate loadings from sources
 - SELECT inputs, such as livestock- cattle, horses, sheep and goats, feral hogs, septic systems, urban stormwater runoff, and feral hogs, are being identified by each work group

- ❖ Data Needed
 - WWTF Self-Reporting Data
 - Danny Stephens will provide data from City of Lampasas
 - Lisa Prcin will get data from City of Copperas Cove
 - Sanitary sewer overflow (SSO) data from both for City of Killeen and City of Lampasas
 - Kristina Ramirez will provide a dvd with pertinent City of Killeen Data, including GIS files and city ordinances

- ❖ Next Steps
 - Discussion of Plum Creek Watershed and their use of the SELECT model
 - Lampasas' utilization of the SELECT model will be similar to Plum Creek
 - The Wastewater Infrastructure requested to be joined with the Urban/Suburban Issues work group as there are overlapping issues between the two groups. The Urban/Suburban work group will be asked at their 4/21/10 meeting about combining efforts. If in agreement, the work groups will have a joint meeting the next time they get together. The Steering Committee will vote on combining the groups

- ❖ Adjourn