

**DRAFT SUBJECT TO REVIEW & REVISION**

**Meeting Summary  
DIOXIN TMDL STAKEHOLDER MEETING**

**June 21, 2007  
1-4 PM**

**MEMBERS PRESENT:** Scott Aspelin; Tracy Hester; Ed Matuszak; John Westendorf

**MEMBERS ABSENT:** Chris Barry; Charles Beckman; Louis Brzuzy (represented by Jeff Stevens); Ronald Crabtree; Denton Winston; Luke Giles; George Guillen; Guy Jackson; Rory Lang; Sara Metzger; Kristy Morten; David Ramsden; Bob Stokes; Lial Tischler; Jack Wahlstrom (represented by Felicia Najera); Steve Weishar; Kerry Whelan; Kirk Wiles; Bob Wood

**H-GAC STAFF PRESENT:** Carl Masterson; Kristine Swann

**OTHERS PRESENT:** Mary Jane Naquin (Facilitator); Larry Koenig (TCEQ); Karen Atkinson (TCEQ); Hanadi Rifai (UH); Monica Suarez (Parsons); Ken Schwartz (Citizen); Wendall Honeyatt (Corrigan Consulting); Spencer Williams (ChemRisk); Kofi Sam (PBS&J)

**WELCOME & INTRODUCTIONS**

The meeting was called to order at 2:15 p.m. Self introductions followed.

**REVIEW AGENDA**

The agenda was reviewed with no additions.

**FORMAL ADOPTION OF APRIL 5, 2007 MEETING SUMMARY**

The April 5, 2007 meeting summary was adopted.

**REVIEW DIOXIN LOAD ALLOCATION/REDUCTION RESULTS**

Update on WASP 2378-TCDD Model: High settling rates around “hot spots” have been used to better match narrow peaks observed in measured data. The average model concentrations for dry days were used to compare to measured data

The toxic equivalence (TEQ) of a mixture was determined for specific congeners that are responsible for the majority of the TEQ in tissue from the HSC. Texas dioxin standards, risk management assumptions, and bioaccumulation factors were also determined and reviewed, and the resulting TMDL water quality targets were listed by congener. Reviewing the WASP load scenarios shows that the only way to effectively address the dioxin levels is through removing the sediment.

In the models of measured and estimated TCDD loads from PS, most simulated PS loading was from sampled effluent rather than from estimates based on averages or industry type.

Comparing direct and boundary loads from PS, direct sources are a larger source.

The overall reductions for TCDD were given as percentages by segment.

The next steps in the process would be to model the other congeners, run load reduction scenarios, and update the load spreadsheet model and define TMDL. However, part of the stakeholder group was of the opinion that approaching the TMDL water quality targets for individual congeners could have negative impacts on the enforcement of remediation. Instead, it was suggested that options, such as using the standard water quality criteria for dioxin, or using only three congeners instead of the recommended six, should be considered in more detail before the TMDL process continues.

It was agreed that an email would be sent out summarizing options and the possible implications of each so that consensus could be reached before the next meeting.

