Baldwin Hills
CAP Meeting

April 25, 2019

Prepared By:
MRS Environmental, Inc.

Tank Spill Incident and Modeling Approach

- BC Tank Overflow November 22, 2018
- 630 gallons oil/water mixture spilled
- 14 odor complaints as far as 3,100 feet
- Computer modeling used to estimate impacts
  - Estimates of released vapor: tank samples
  - Canary© model used to estimate release and dispersion
  - Benzene, Toluene, Xylene, hydrocarbons, H_2S
  - Odor thresholds
  - Health index and REL estimated

Tank Spill Incident and Modeling Approach

- Modeling Results
  - Odor thresholds exceeded as far as 4,900 feet
  - Health index thresholds exceeded as far as 4,100 feet
- Fence line levels
  - 6.9 times the health index
  - 8 times the odor threshold
- Although health effects threshold exceeded, levels are below allowable 8hr worker exposure levels
- Exposure was a short term, acute exposure

Maximum Benzene Concentrations Estimated, ppm

Maximum Odor Threshold