

Colorado Department of Transportation Floyd Hill Project

The Colorado Department of Transportation (CDOT) is involved in a five-year road improvement project for better traffic flow. The project will consist of building new elevated bridges and roadways. CDOT has indicated that for public safety additional mag-chlorite will be applied. During the Technical Team meeting the subject and discussion of sampling Clear Creek for various possible contaminants that would enter the waterways during and after the construction.

The question is does Upper Clear Creek Association (UCCWA) want to part-take in and/or take responsibility for conducting the sampling plan?

Location of sampling points If UCCWA is in favor of this sampling project I would like to suggest the following.

1. Idaho Springs Wastewater Treatment Plant
 - a) This sample point is before the project and will give a data baseline.
2. Central City Exit
 - a) There were concerns stated at the Technical Team meeting about the CDOT maintenance yard with the storage of mag-chlorite and other stored materials.
 - b) Central City Parkway drainage enters Clear Creek in this area.
3. CDOT has indicated a Wetlands area west of Two Bears
4. The present UCCWA sampling location
 - a) Currently, I am not sure if CDOT plans to keep the sampling equipment in the same location or move it up or down stream for construction reasons.
5. Any sampling points downstream that could be considered.
 - a) Help determine how any contaminants effect aquatic ecosystem and drinking water.

Contaminants to sample be analysis for consideration.

1. Chloride
2. Magnesium
3. Conductivity (EC)
4. Total Suspended Solids
5. Oil and Grease
6. Fish Toxicity
7. Vegetation contaminant uptake
8. Other suggestions

Who and how to do the sampling? Make it a working lab?

1. Water sampling is NOT in CDOT scope of work for this project.
2. School of Mines
3. Clear Creek High School Students
4. Cities (Downtown Stream)
5. UCCWA volunteers
6. EPA

What laboratory to use?

How to pay for sampling, data collection and compiling data

1. Grants.
2. UCCWA funds.
3. CDOT help in requiring grants.
4. DOLA
5. Co. Department of Parks and Wildlife
6. Trout Unlimited
7. Other