

# Silver Bow Creek / Butte Area

## West Camp Pump Station & Hydrodynamic Devices

Bulletin #17

February 13, 2012



**Last call for community interviews.**

The Environmental Protection Agency is taking the steps to develop new processes and implement suggestions from the public as it relates to community outreach and engagement in Butte.

**Are you interested in being interviewed?**

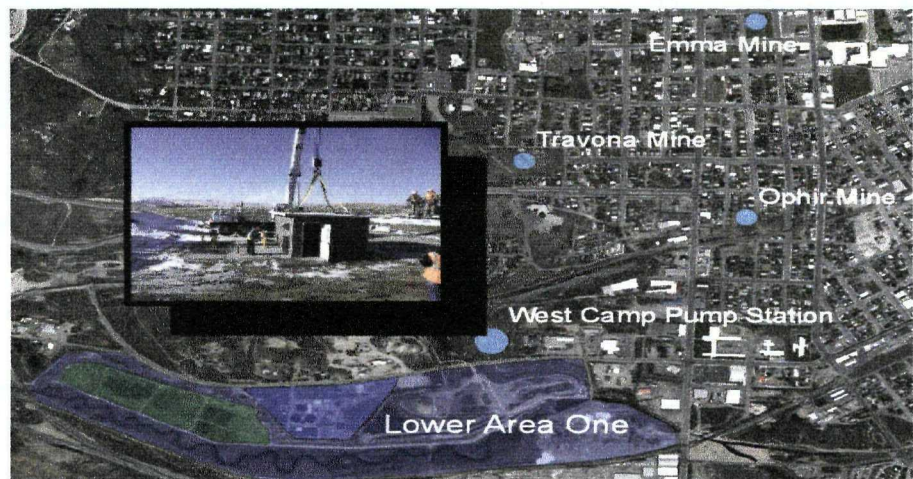
**The interview process will end on February 29, 2012**

**Contact Nikia Greene at:**

**406-457-5019  
Or  
greene.nikia@epa.gov**

### West Camp Pump Station

The West Camp Pump Station is located immediately north of Centennial Avenue (526 Centennial Avenue). Originally West Camp water treatment was part of the Butte Mine Flooding Record of Decision (1994). Now operation of the system and treatment is being done as part of the Butte Priority Soils Operable Unit remedy. The West Camp system includes the Travona, Emma, and Ophir mines and their associated underground workings. The West Camp system is its own hydraulic system separated by bulkheads, installed in the late 1950s to reduce the amount of pumping necessary to dewater the mines.



The function of the West Camp Pump Station is to maintain water levels in the West Camp system below the established critical water level of 5,435 feet. Below 5,435 feet is considered to be a safe level and protective of human health and the environment (Record of Decision 2006). West Camp Pump Station ensures that a perpetual sink is maintained. This sink is kept below the natural recharge level by the pumping and treating requirements. The contaminated water pumped from West Camp Pump Station is sent to the Butte Treatment Lagoons for treatment.

In late December, 2011 a new 13-foot by 16.5 foot precast concrete building (seen above) was installed to house new pumping equipment and controls. The purpose of upgrading the West Camp Pump Station is to improve function, ensure long term operation, and improve safety and environmental conditions. A final punchlist will be completed in February, 2012 and the West Camp system will continue to provide a safe water level.

## Hydrodynamic Devices

The design and installation of 6 hydrodynamic devices will be completed by early spring of 2012. A hydrodynamic device is an important storm water control designed to reduce large sediment, suspended solids, oil, grease, and other pollutants, especially pollutants conveyed with sediment transport. Flows and sediment capture will be monitored after installation to determine the effectiveness of the hydrodynamic devices.

### Warren Avenue Hydrodynamic Device

Hydrodynamic Devices will be installed at:

- Texas Avenue
- Warren Avenue
- Anaconda Road
- Montana Street
- Buffalo Gulch (2)



The **2010 Ground Water Data Analysis Report** was complete on February 1, 2012. The report summarizes ground water monitoring and remedial design activities for the Butte Priority Soils Operable Unit between 2007 and 2010. The public has requested that EPA present complex information in a digestible manner. The 2010 Ground Water Data Analysis Report is a response to that request.

Approximately 36 new groundwater monitoring wells are being installed within Butte Priority Soils Operable Unit. EPA will continue to provide periodic reports on the developing monitoring well network. Additionally, a comprehensive and accessible groundwater data base is under development. The groundwater data base will be available on the Silver Bow Creek/Butte Area website in the spring of 2012. The data base will provide a way to keep up to date with groundwater monitoring.

### 2010 Ground Water Data Analysis Report can be viewed at:

- EPA- Butte Office  
400 North Main Street  
Mon. - Fri., 9 am - 4 pm
- CTEC - Citizens' Technical Environmental Committee  
27 West Park Street  
Mon. - Thu., 10 am - 3 pm
- Montana Tech Library  
1300 West Park Street  
Mon.-Fri., 7:30 am- 4 pm



Or online at: <http://www.epa.gov/region8/superfund/mt/sbcbutte/index.html>