

# Mining Drainage Water Filter

INDUSTRIAL FILTRATION | MINE WATER TREATMENT | CLARIFIER WATER POST-TREATMENT

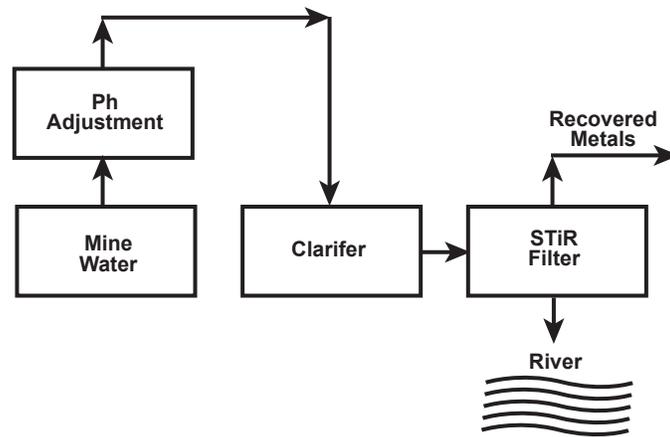
## US Energy

PRODUCT USED:  
STiR Filtration Unit



END USER:	US Energy
LOCATION:	Crested Butte, CO
UNITS:	(1) model STiR-50V (50 ft <sup>2</sup> /filter)
RATE:	300 gpm (0.5 Million gallons of water per day)
PROCESS:	Clarifier Overflow Polishing

### MINE WATER TREATMENT-PROCESS FLOW DIAGRAM



### MORE INFO

The US Energy Water Plant is an inactive mine site, that processes water from a molybdenum deposit.

Through the course of the mineral water treatment, various minerals that are dissolved in the water are first precipitated via Engineered PH change, solids are skimmed, and the water is then filtered and then discharged to the river.

Prior to installing the STiR Filtration Unit the plant's clarifier water treatment operated with a 42% recycle rate, due to the frequent, and lengthy sand filter cleaning cycle, by each of the four (4) 12' Diameter sand filters.

By installing a single STiR filtration unit, the recycle rate was reduced to a maximum of 3% (over 10X reduction), while also achieving cleaner effluent water.

The Filtra-Systems STiR industrial water filter was selected for evaluation due to its history of not only providing extremely clean water, but also the dynamic backwashing method (self-cleaning, minimized waste volume), which is achieved with the proprietary media regeneration assembly.

**Call now and discover how having your clarifier water treatment operating far more efficient can easily reduce you down time while increasing your profits, 248-427-9090.**