

# A r s e n i c R e m o v a l

# NXT-CF<sup>®</sup>

## Nanocrystalline, NXT Coagulation/Filtration Reagent

### Benefits:

#### Safe:

- Will not release bound Arsenic in the event of pH upset
- Non-hazardous waste - Meets TCLP and California Wet Test Requirements

#### Cost Effective:

- Efficiently removes arsenic to less than 10 µg/l (ppb)
- Removes other contaminants; phosphate, chromium, selenium, fluoride, antimony, lead and more
- Rapid kinetics
- Forms stable flocs which can easily be filtered out

### NXT-CF Properties:

- Description: Patented<sup>1</sup> Lanthanum based Liquid Reagent
- Zeta Point pH: 10.0
- Reagent pH: 1.0
- Specific Gravity: 1.22
- Color: Yellow

1. Patent Pending

### Process Overview:

A small amount of NXT-CF (35-75 ppm depending on As concentration) is mixed in-line with the water supply. The pH is adjusted to 8.0 to promote floc formation. After floc formation is complete (10-30 minutes) the water is then filtered to remove the arsenic bearing particulates. Your final effluent will be less than 10 µg/l (ppb) to meet the EPA requirements.

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