



Fruita, CO

Process Evolution Overview

(2015 24 Kt. Gold Award Winner)

Play to Win!



Fruita, CO – Process Modification Summary



Impoundments

- 3 Acres of ponds
- Foundation of Process Water System
- 1.8M lbs of raw materials annually
 - CalSil (aka T-12)
 - Firetemp (aka Xonotlite)

Options

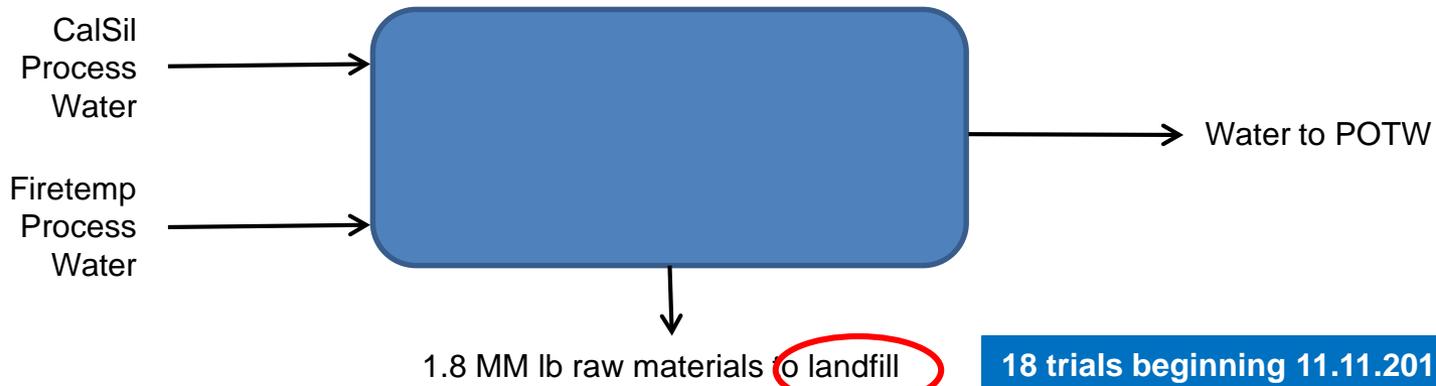
- 6CCR1007-2, Part A, Section 9
 - Prohibits operation as is
- Choices
 - Remediate, Replace
 - Remediate Replace/Upgrade
 - Eliminate Need

Project Elements

- 3 Projects as one
 - CalSil system
 - Firetemp
 - Facility Infrastructure

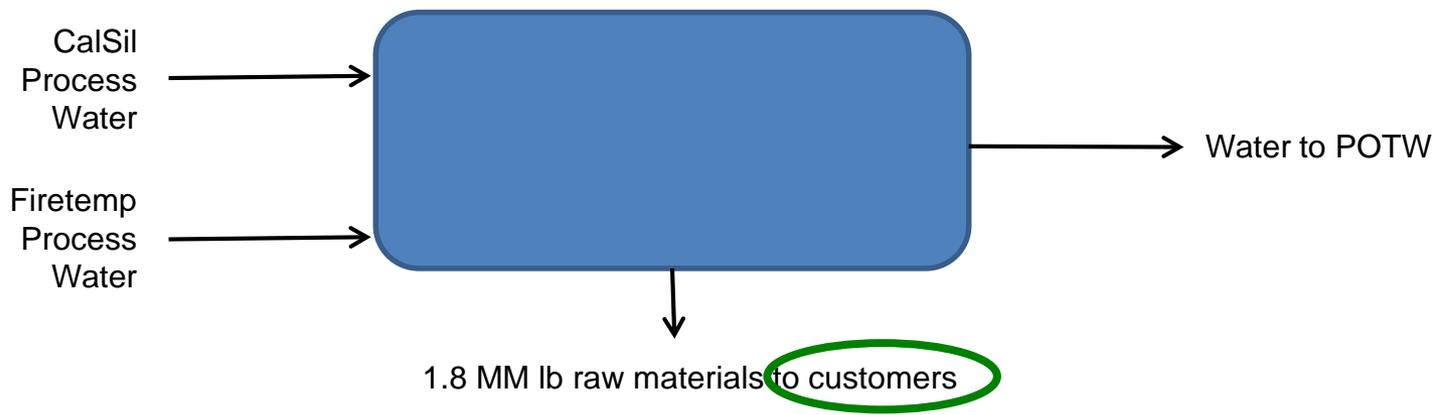
Fruita, CO - Process Modification Summary

Legacy System

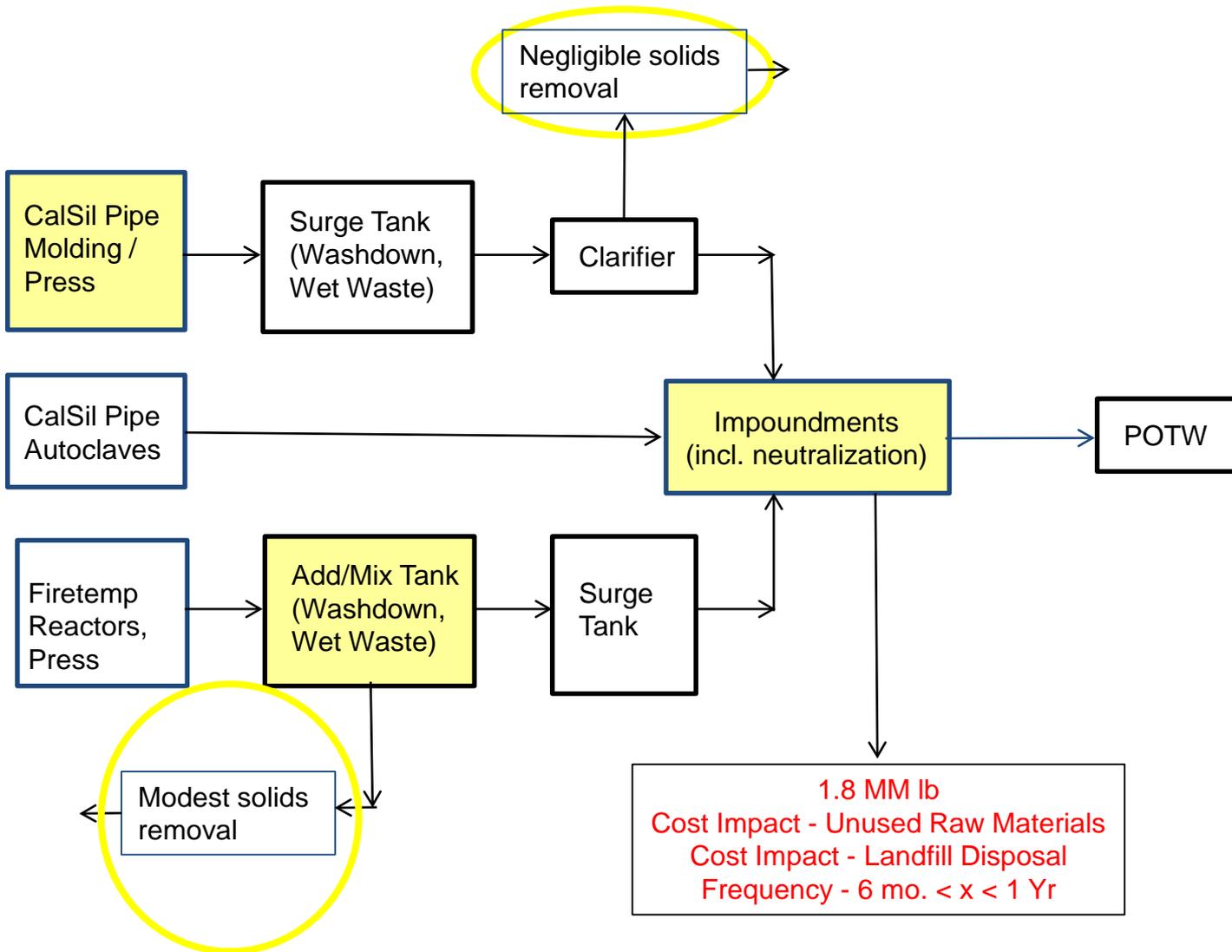


18 trials beginning 11.11.2013
CalSil sustainable operations since 12.09.2013
Firetemp proof of concept success 03.20.2014

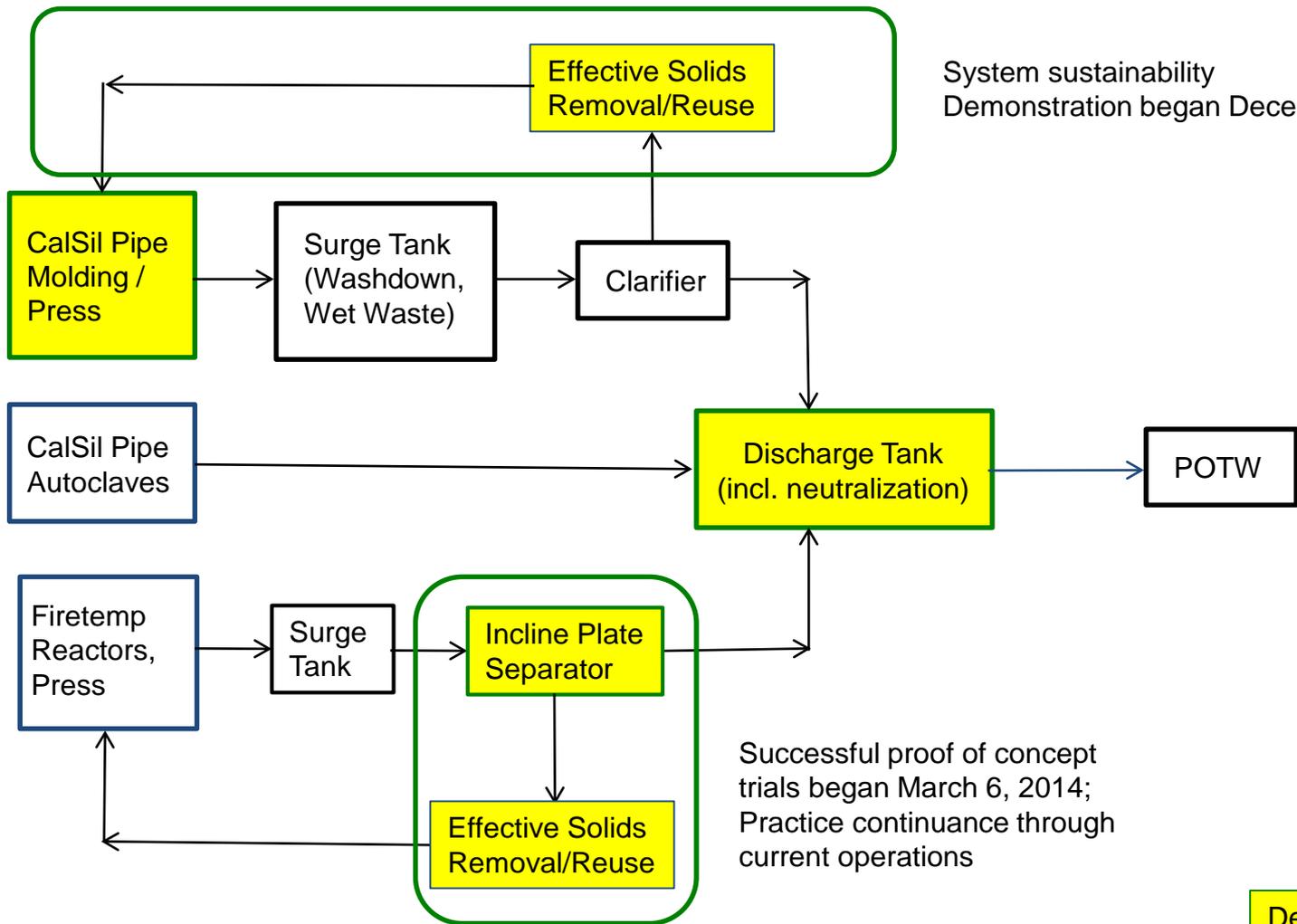
Post Project System



Fruita, CO - Legacy Process Summary



Fruita, CO – Evolved Process Summary



System sustainability
 Demonstration began December 2013

Successful proof of concept
 trials began March 6, 2014;
 Practice continuance through
 current operations

Denotes Capital
 Investment Elements



Fruita, CO – IPS Fundamentals



People • Passion • Performance • Protection • THE JM EXPERIENCE



Fruita, CO – IPS Fundamentals

People • Passion • Performance • Protection • THE JM EXPERIENCE

