



# Waste Treatment Plant Project



## 2016 Supply Chain Collaboration Event

### DFLAW Overview

*Bruce Schappell*

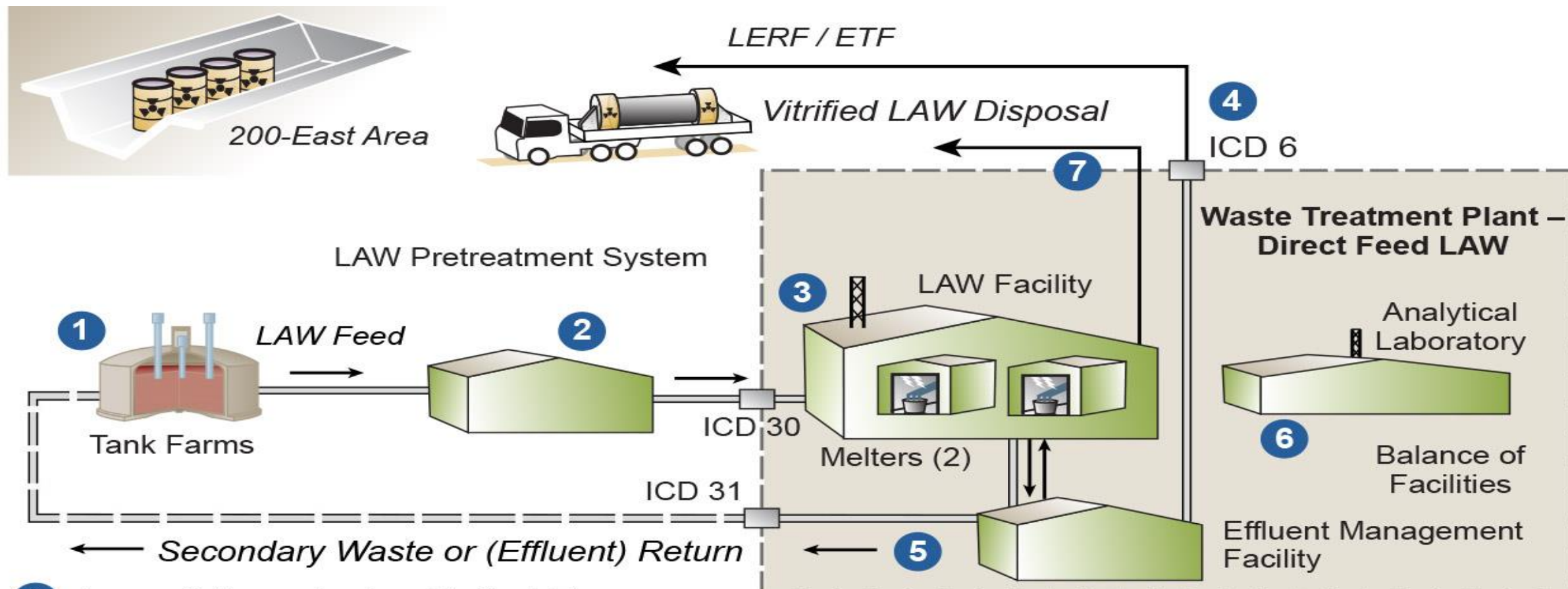
**Area Project Manager, DFLAW**

September 20, 2016





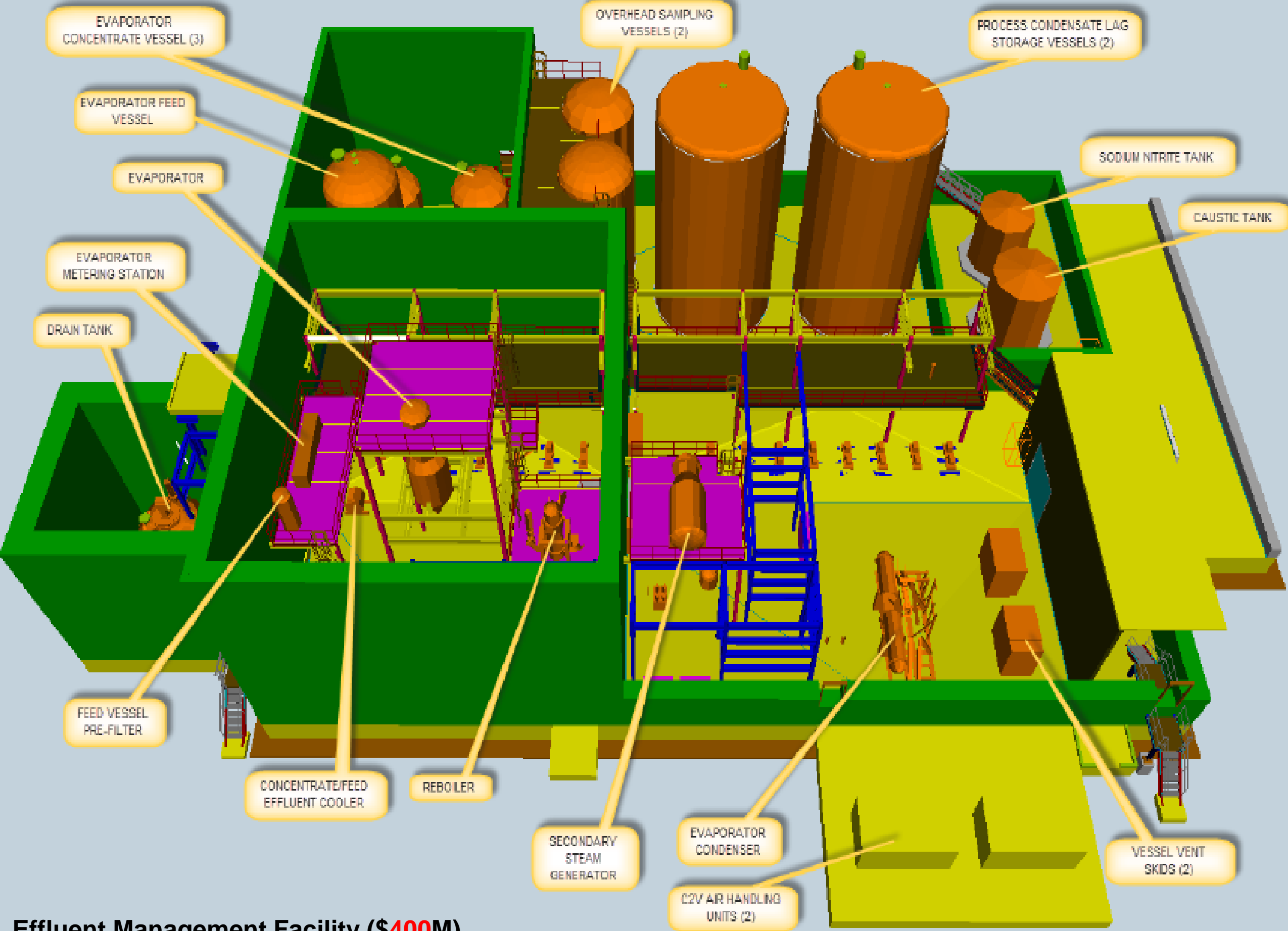
# DFLAW Overview Video



- 1 Low-activity waste stored in Tank Farms
- 2 New LAW Pretreatment System (LAWPS)
- 3 Pretreated waste sent to LAW Facility for immobilization
- 4 Low-level radioactive liquid effluents sent to LERF / ETF
- 5 Liquid effluents returned to Tank Farms
- 6 Samples LAW feed, effluent returns and process samples
- 7 Stainless steel containers filled with glass and Low-level solid waste sent to disposal area



**DFLAW Facilities and Interfaces**



**Effluent Management Facility (\$400M)**



## DFLAW Key Commodities

---

### EMF Key Quantities:

Concrete.....	7869 CY
Steel.....	349 TN
Pipe.....	33,045 LF
Conduit.....	37,000 LF
Tray.....	3,200 LF
Scheduled Cable.....	343,000 LF
HVAC.....	35,414 LB

# DFLAW – Procurements

- Material, equipment and services will be needed to support DFLAW construction between 2016-2019
  - Heating, Ventilation and Air-Conditioning (HVAC)
  - Electrical Equipment
  - Controls and Instrumentation (C&I)
  - Mechanical Equipment
  - Subcontracts
  - Field Procurement



### See our Business Opportunities Page

<http://www.hanfordvitplant.com/business-opportunities>

#### ■ HVAC

- Air Handling Units, Exhaust Fans, HEPA filter housings, AC Units, Steam Humidifiers

#### ■ Electrical

- Bulk Electrical, Powerhouse, Substations/Power Distribution Centers

#### ■ Controls and Instrumentation

- Gauges, Transmitters, Pitot Tubes, Orifice Plates, Valves

#### ■ Mechanical Equipment

- Pumps, Steam Separator, In-line mixers, hoists, Valves

#### ■ On-Site Services

- Roofing/Siding, Pre-engineering buildings, Fence, Roads, HVAC, Liner Plate, Coatings, NDE

#### ■ Field Procurement

- Consumables, tools, equipment rentals