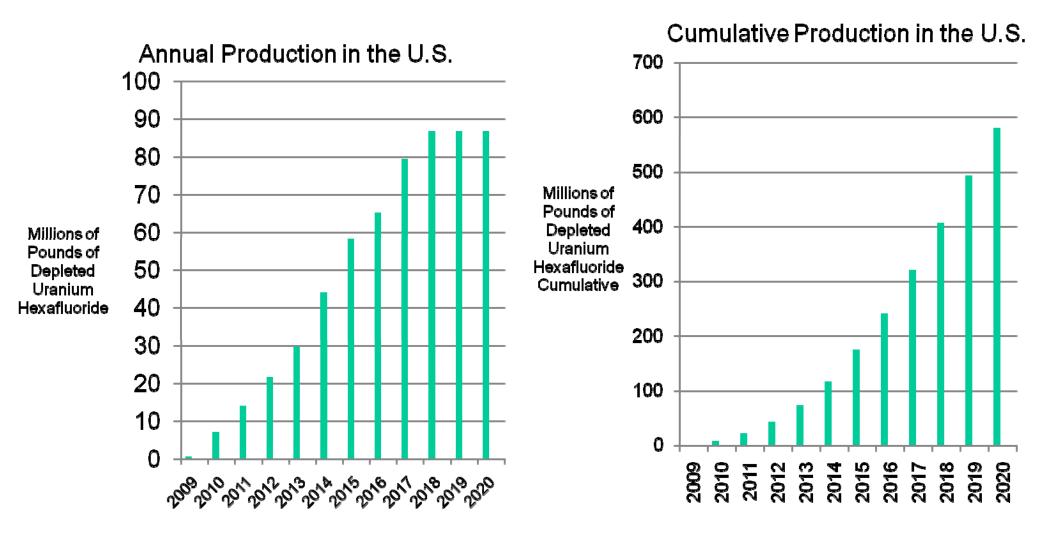


What We Intend to Do

Construct the first commercial depleted uranium deconversion facility in the US.

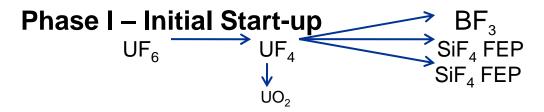
- Multi-Purpose Purpose Facility
 - DUF₆ off-take agreements for de-conversion
 - Fluorine Extraction Process exclusive technology to INIS
 - Anhydrous HF Production Patented Process

Estimated Depleted Uranium Hexafluoride Production in the U.S.

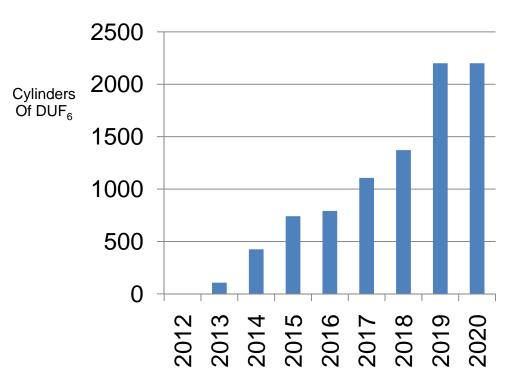


SCHEDULE GOING FORWARD

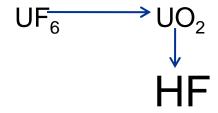
Phased Expansion Correlated to DUF₆ Supply







Phase II – 2016 Increase De-Conversion Capability to meet anticipated demand





Public Acceptance

- Over 40 public meetings held
- No negative response
 Phase 1 Environmental completed
- ⁻ Land Transfer in Progress

| INIS Acquires FEP Patents | 2004 |
|--|---------------|
| INIS Focuses on Design of FEP Pilot Plant | 2004-2007 |
| GeF ₄ Pilot Plant Begins Operation | 2007 |
| Acquisition of SFC DUF ₆ – DUF ₄ De-Conversion Equipment | Q2 2008 |
| Contract with Licensing and Design Team (APTS) | Q3 2008 |
| Site Selection – completed | Q1 2009 |
| Conceptual Design Report - completed | April 2009 |
| NRC License Application Submittal | Dec. 1, 2009 |
| Land Transfer Process | Dec. 30, 2009 |
| Begin Construction | Q2 2011 |
| Begin Operation | Q2 2012 |

Illustrative Plant



Phase 1 De-Conversion – DUF₆ to DUF₄ •INIS acquired assets of the only complete de-conversion plant in the U.S. in 2008

- - Most key components can be re-used
 - Will relocate equipment

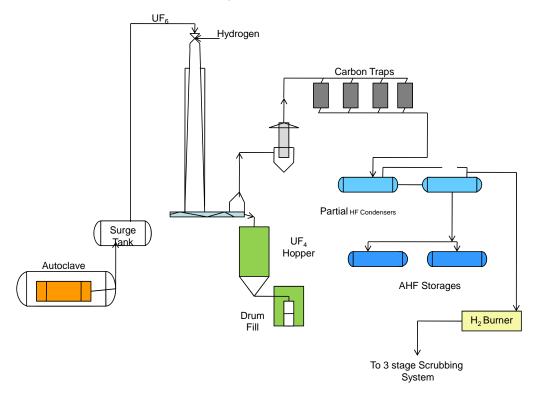








Phase 1 UF₆ to UF₄ De-conversion Process Flow



Phase 1 Fluorine Extraction Process

- The Fluorine Extraction Process (FEP) is a simple, one step reaction process between two granular solid materials
 - Depleted uranium tetrafluoride (DUF₄) and a metal oxide are heated in a reaction chamber to the appropriate temperature
 - Fluoride gas separates from uranium and combines with gaseous metal oxide
- Various ultra-pure, uranium-free, fluoride gases are produced while uranium remains in solid-state
- Exclusive U.S. Patent Technology held by INIS enhances commercial viability of de-conversion



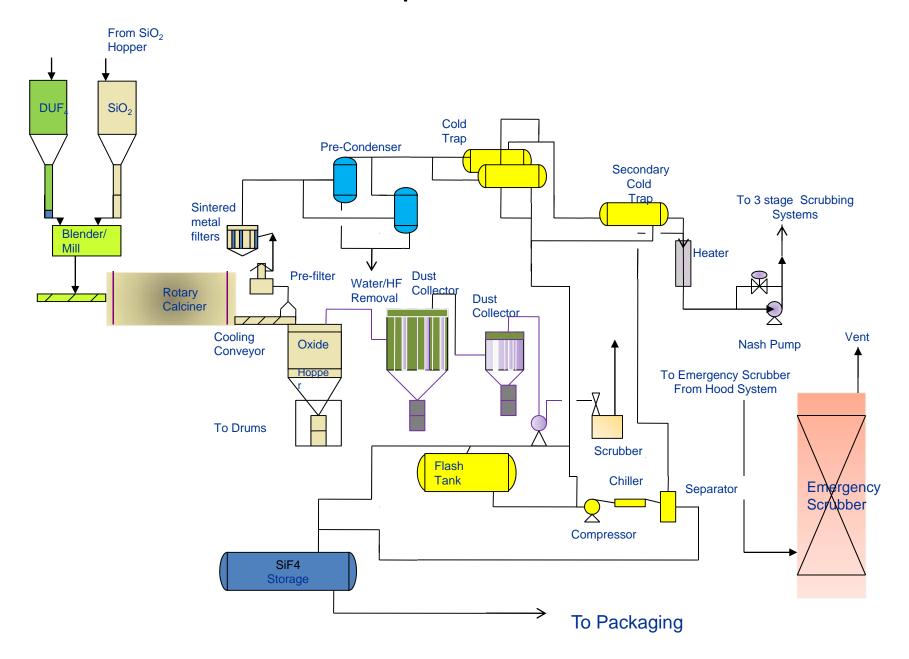


Example Reaction - SiF₄ Production

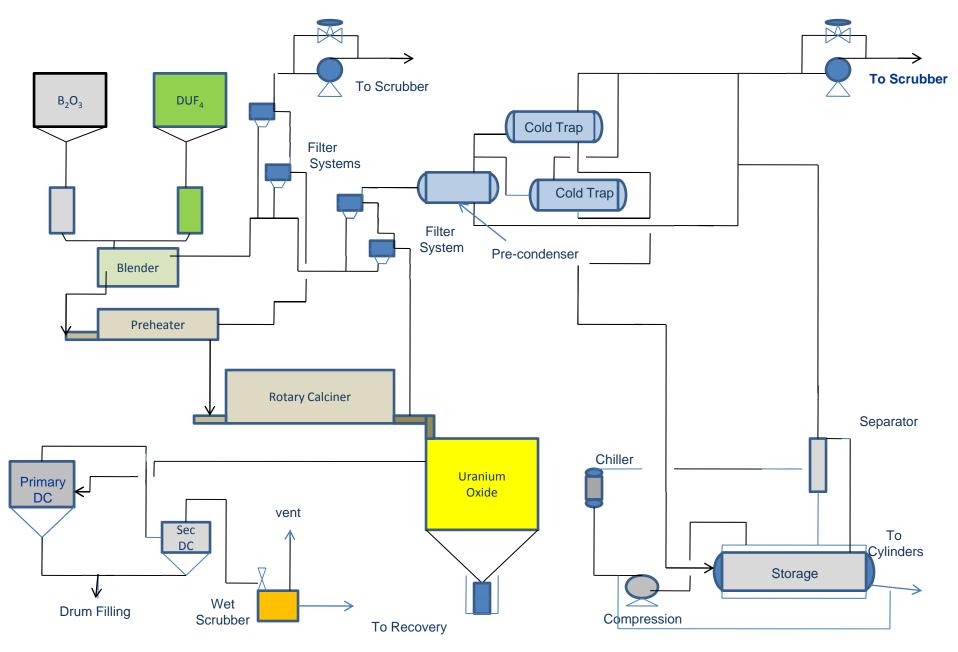
$$Heat$$
UF₄ (solid) + SiO₂ (solid) \longrightarrow UO₂ (solid) + SiF₄ (gas)



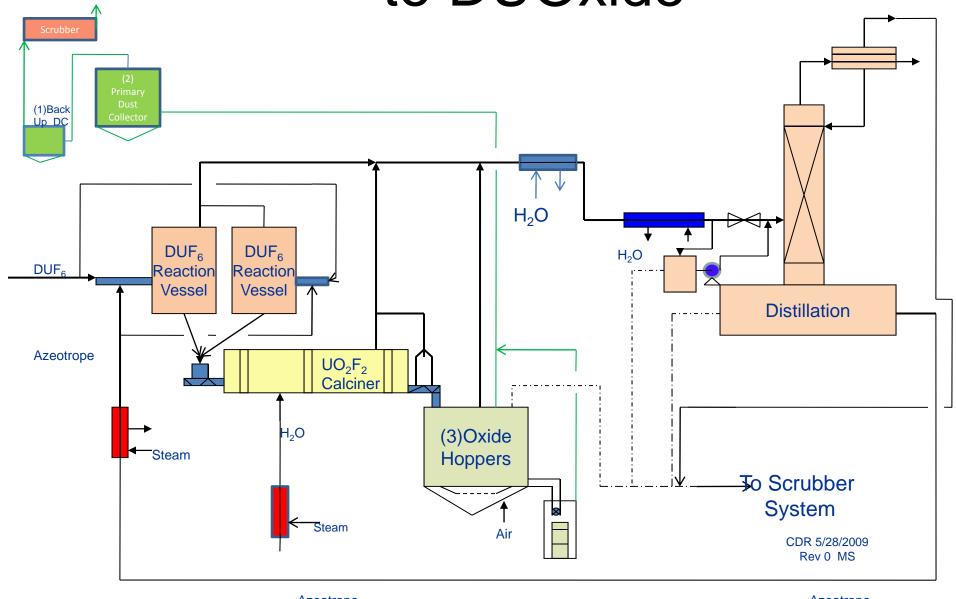
SiF₄ Production



BF₃ Production



Phase 2 De-Conversion – DUF₆ to DUOxide



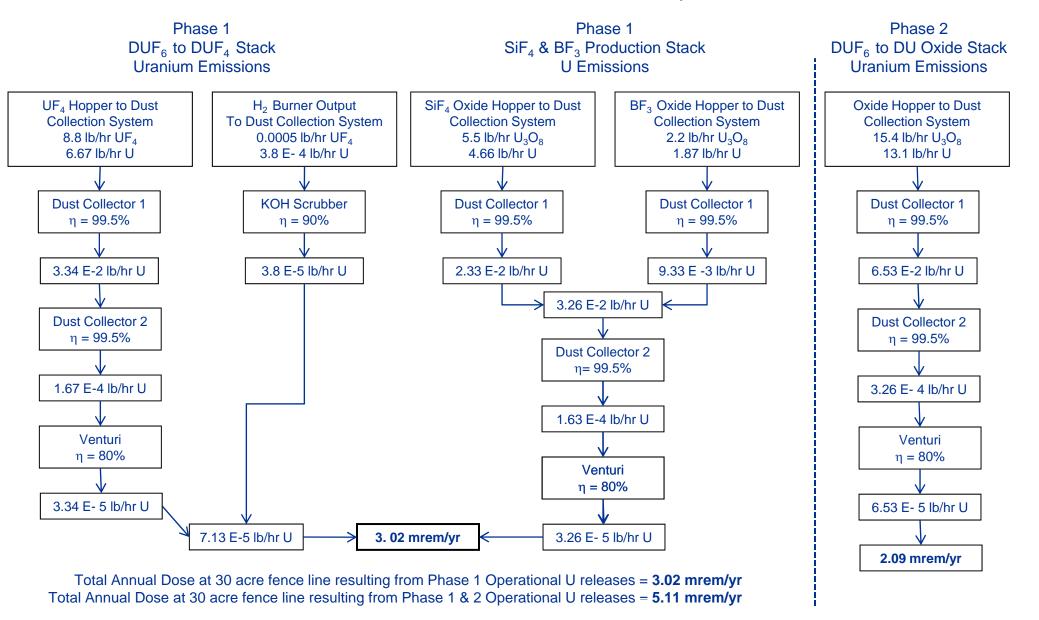
Azeotrope

Environmental and Safety Concerns

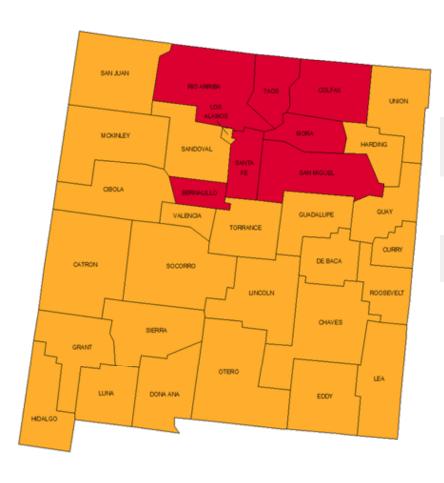
Air Emissions

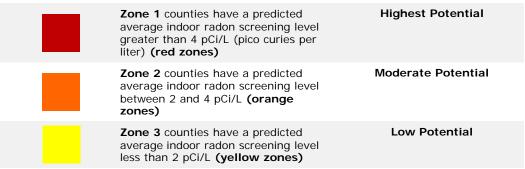
- Uranium Conservative estimate of 5.11 mrem per year at 30 acre fence line with Phase 1 and 2 Operations
- Fluorine Conservative estimate of 13.8 lb per year
 HF with Phase 1 & 2 Operations.

Uranium Release Evaluation – 24/7 Operations



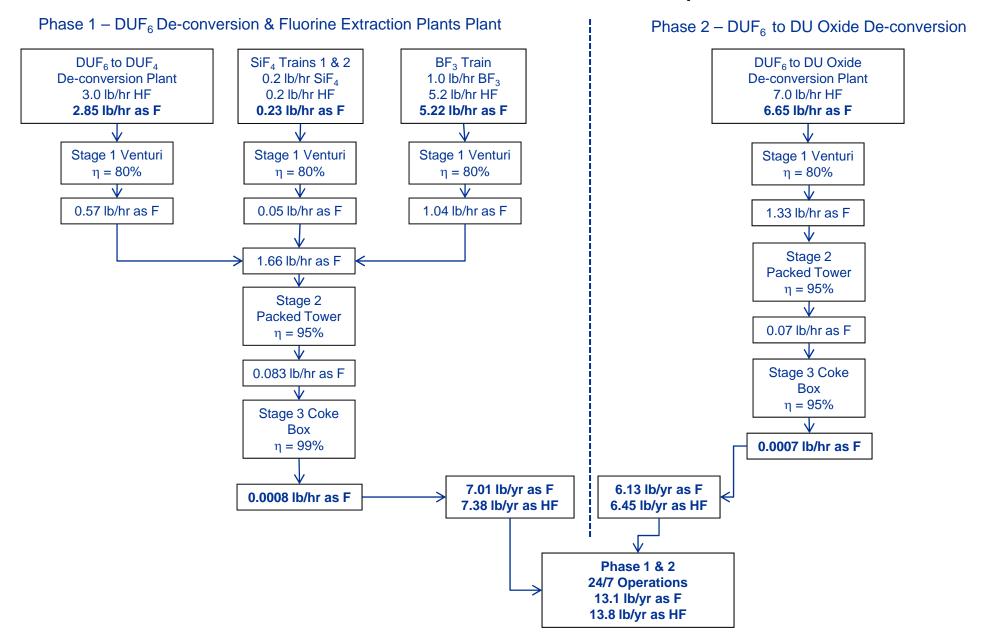
Radon Levels - New Mexico





The North Central region (Albuquerque area) exhibits an average annual absorbed dose 0.75 mGy (75 mrad); while the southeastern corner of the State (Carlsbad area), which includes the IIFP site area in Lea County, measures annual average absorbed dose of about 0.30 mGy (30 mrad), due to terrestrial radiation (NCRP, 1987a).

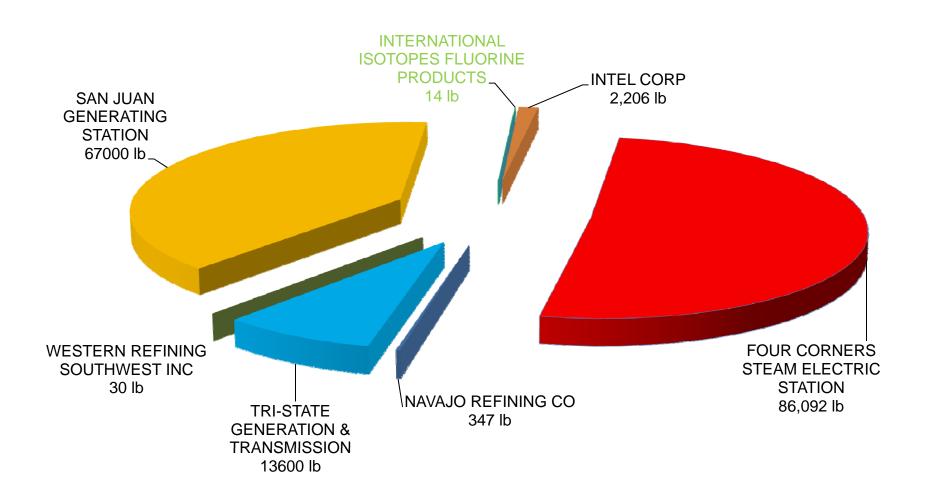
Fluorine Release Evaluation – 24/7 Operations



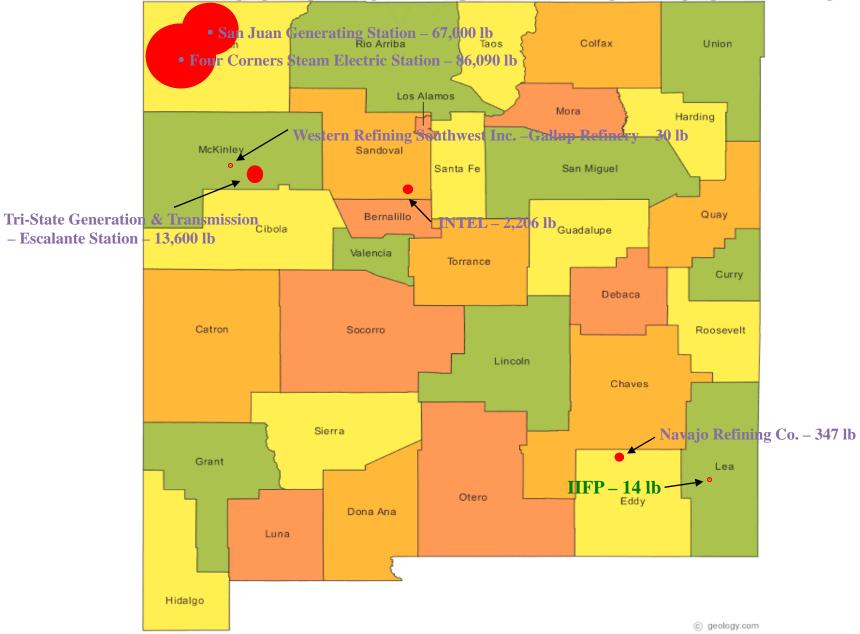
Point Source and Fugitive HF Release – New Mexico

| Facility | TRI – 2006 (lb) | TRI – 2007 (lb) | |
|---|--------------------|-----------------|--|
| Four Corners Steam Electric Station | 90,090 | 86,090 | |
| Giant Refining Co. ⁽¹⁾ | 58 | 30 | |
| INTEL Corp. | 3,465 | 2,206 | |
| Navajo Refining Co. | 347 | 347 | |
| San Juan Generating Station | 58,000 | 67,000 | |
| Tri-State Generation & Transmission – Escalante Station | 10,600 | 13,600 | |
| Total | 162,560 | 169,273 | |
| | | | |
| | IIFP Calculated: | 14 lb/year | |
| | | | |
| (1) Name Change to Western Refining Southwest Inc. for 2007 | | | |
| US EPA Toxic Release Inventory | | | |

HF Emissions in New Mexico in 2007



HF Emissions New Mexico - 2007



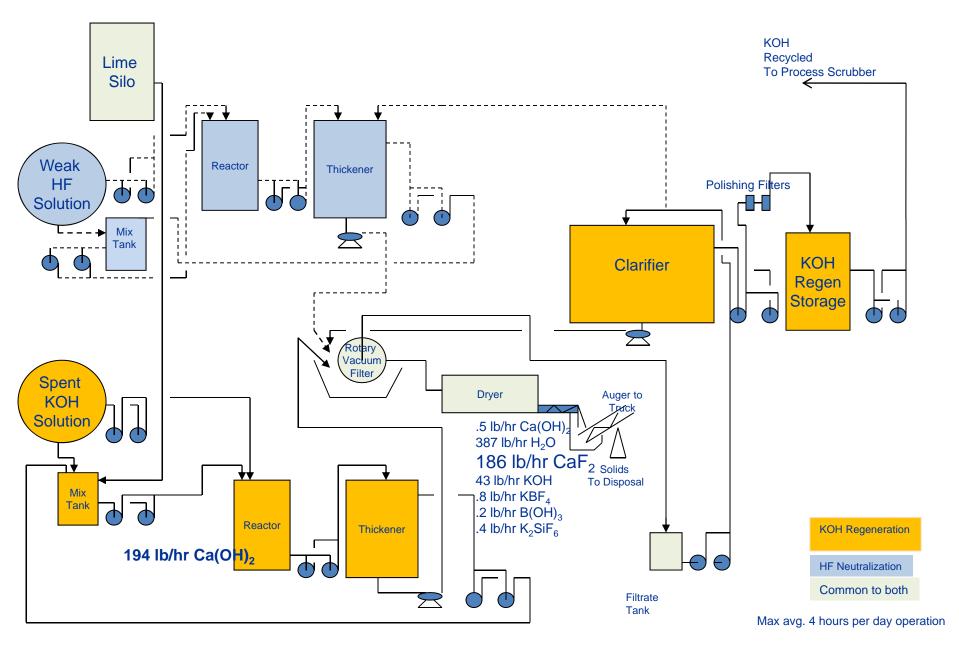
Water Usage

Minimized thru process water recycling – estimated usage
 10,000 gallon per day.

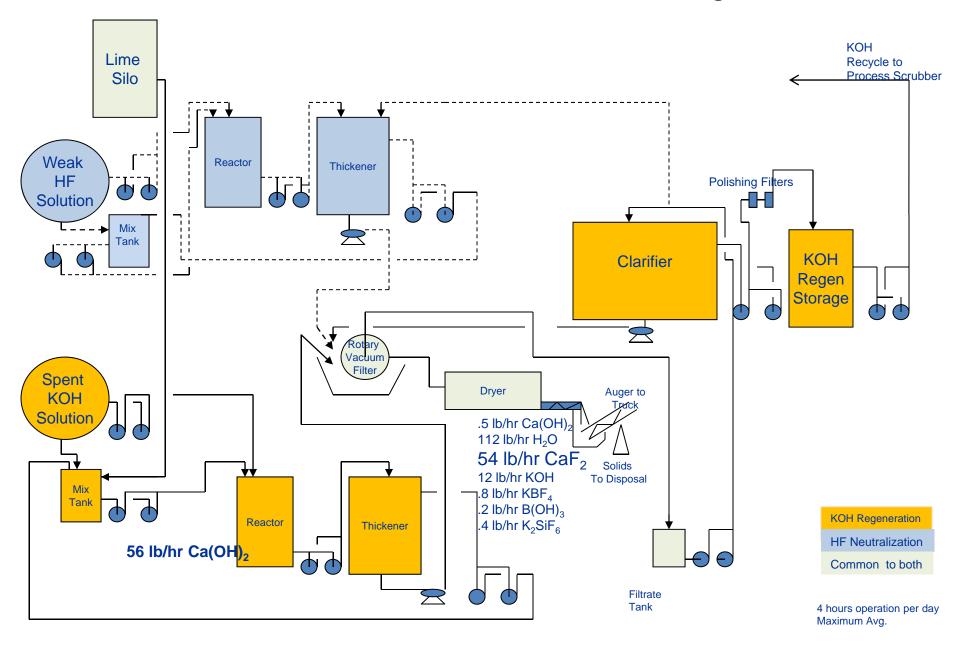
Ground Water Protection

- Permit will be Issued though NMED.
- Storm water basins designed for 100 year rain fall
- Segregated yard for DUF6 cylinder storage.
- Zero discharge of process waters

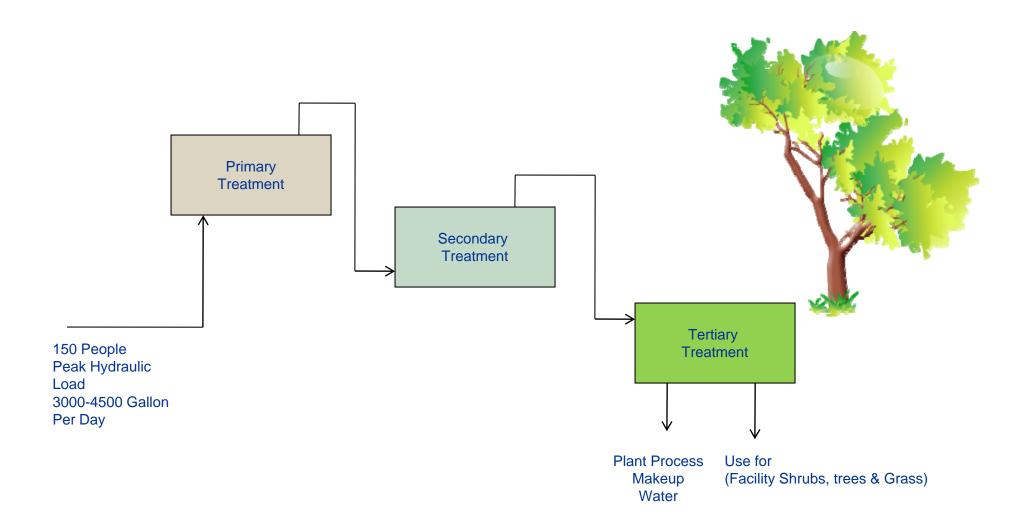
Phase 1 Environmental Protection Process Waste Water Treatment Flow Diagram



Phase 2 Environmental Protection Process Waste Water Treatment Flow Diagram



Sanitary Waste Water Treatment Flow Diagram



Maximum Inventories

| Material | Phase 1 (Kg) | Phase 2 (Kg) |
|-------------------|-----------------|-----------------|
| Uranium as "U" | 750,000 | 2,200,000 |
| Anhydrous HF | 15,900 | 17,700 |
| SiF ₄ | 32,000 | 32,000 |
| BF ₃ | 15,000 | 15,000 |
| CaF ₂ | 128,500 | 37,200 |
| KOH(with recycle) | 8,100 | 2,700 |

- Depleted uranium oxides are chemically stable
- Uranium waste is shipped to licensed disposal site

Utah – Energy Solutions

Texas – WCS (after NRC Rulemaking)

 The by-products of chemical scrubbing are neutralized (RCRA waste same sites as above)

Transportation Impact - Construction and Operations

| Average Annual Daily Traffic Highway 62/180 | | | |
|---|------|--|---------------------------|
| | Year | Average No. Vehicles per Day | Average No. Com. Truck |
| Baseline | 2008 | 5672 | 1645 |
| | 2007 | 6124 | 1776 |
| | 2006 | 6035 | 1750 |
| During Construction IIFP Facility: | | 17 Deliveries & site prep + 350 Construction workers(14-18 Mos.) | |
| During Operations IIFP Facility: | | 10 deliveries + 75-150 Emplo | yees |

State Permitting Submittal Schedule

Potentially Required State Permits

| Potential | Agency | Comment/Status | Submittal Time Frame |
|--------------------------------------|----------|--|---|
| Requirement Access Permit | NMDOT | INIS and/or Lea County would coordinate to obtain approval, if necessary, for adding an entry point from U. S. Highways 62/180 or NM Highway 483. The permit, if issued, would stipulate any safety enhancements necessary to the highway. | 2 Q, 2010 |
| Air Construction Permit | NMED/AQB | An air construction permit may not be required because proposed INIS emissions would be below Federal and State regulatory limits depending on credits for stack heights and control equipment. Need determination with State. | If required, submit by 2 Q, 2010. |
| Air Operation Permit | NMED/AQB | An air operation permit may not be required because proposed INIS emissions would be below the Federal and State regulatory limits depending on above credits. Need determination with State. | If required, would submit 2 Q, 2011. |
| NESHAP Permit | NMED/AQB | A NESHAP permit is likely not required because the proposed INIS emissions would be below Federal and State regulatory limits. Need to determine with State. | If required, submit by 2 Q, 2011. |
| Groundwater Discharge Permit/Plan | NMED/WQB | INIS will submit Groundwater Discharge Permit / Plan application to the NMED/WQB. | 4 Q, 2010 |
| NPDES Industrial Stormwater | NMED/WQB | INIS has the option of claiming "No Exposure" exclusion. | Make determination by 3 Q, 2010. If required, submit by 1 Q, 2011. |
| NPDES Construction Stormwater Permit | NMED/WQB | INIS will file for coverage under the General Construction Permit for all construction activities onsite. INIS will develop a Stormwater Pollution Prevention Plan and file a Notice of Intent. | 2 Q, 2010 |
| Hazardous Waste Permit | NMED/HWB | INIS would be classified as a generator; therefore, a hazardous waste permit would be required. | 3 Q. 2011 |
| EPA Waste Activity EPA ID Number | NMED/HWB | This number is required for the storage and use of hazardous chemicals. | 3 Q, 2011 |

Potentially Required State Permits

| Potential Requirement | Agency | Comment/Status | Submittal Time Frame |
|--|--------------------------------|--|---|
| Machine-Produced (X-Ray Inspection) | NMED/RCB | Registration is required for security nondestructive inspection (x-ray) machines. The RCB will be notified that equipment would be registered, but the registration would be deferred until equipment specifications are available. May be required by contractor with their own permit. | Decide who holds permit by 1Q, 2011. |
| Rare, Threatened, & Endangered Species Survey Permit | NMDFG | This permit would be required for conducting surveys of the U.S. Bureau of Land Management (BLM) lands. | 4 Q, 2009 |
| RCRA Operations Permit | EPA May Involve NMED/HWB | Permit likely not required for the EPP operation, but need to confirm with the State. | If required, would submit permit application 4 Q, 2011. |
| Right-of-Entry Permit | NMSLO | INIS has obtained this permit for entry onto Section 26, 27, 34, or 35. | Completed. |
| State Land Swap Arrangement | NMSLO | This arrangement requires that an environmental assessment and a cultural resources survey be conducted on lands offered for exchange | Both surveys have been completed |
| Class III Cultural Survey Permit | NMSHPO | INIS has obtained this permit to conduct surveys on Section 26, 27, 34, or 35. | Completed |
| NODEC ALL LO III LOS III | | - I.I.S. Environmental Protection Agency: | |

NPDES – National Pollutant Discharge Elimination System; EPA – U.S. Environmental Protection Agency;

NESHAP – National Emissions Standards for Hazardous Air Pollutants; NMDOT – New Mexico Department of Transportation;

NMED/AQB - New Mexico Environment Department /Air Quality Bureau; NMED/HWB - New Mexico Environment Department/Hazardous Waste Bureau;

NMED/RCB – New Mexico Environment Department/Radiological Control Bureau;

NMED/WQB – New Mexico Environment Department/Water Quality Bureau; NMDGF – New Mexico Department of Game and Fish;

NMSLO – New Mexico State Land Office; NMSHPO – New Mexico State Historic Preservation Office.

- Fills a "Void" in the Nuclear Fuel Cycle by addressing tails
- Recycles and recovery fluorine for important products
- Plant with an emphasis upon environmental protection
- "Green" nature of this project is complimentary to New Mexico
- Robust opportunities for growth