F-Area Alternative
KAC Alternative

Information Requested				
Operations		S&P, KAC	F/H Lab (PDC)	PDC, KAC
Utilities needed				Use PDCF Design
- Potable water (units/yr)	Tom Satkowski			
- Non-potable water (units/yr)	Tom Satkowski	Process Service Water 2,250 gpy SK-SP-21-089-PF Domestic Water Supply 28,382,400 gpy SK-SP-21-093-PF DI Water 3.2 gpy SK-SP-21-090-PF	DI Water 11,000 gal/yr Calc 21-CLC-40.05-001 Draft Rev P1	
- Electricity (kw/hr)				
- Natural gas (units/yr)	Tom Satkowski	N/A		
- Coal (units/yr)	Tom Satkowski	N/A		
- Gasoline (units/yr)	Tom Satkowski	N/A		
- Diesel Fuel (transportation) (units/yr)				
- Heating fuel oil (units/yr)	Tom Satkowski	N/A		
Resources needed				
- Metals (units/yr)	Tom Satkowski			
- Chemicals (units/yr)	Tom Satkowski	N/A		
- Gases (units/yr)	Tom Satkowski	Argon 99,393 scf/yr SK-SP-21-073-PF Helium 63,423 scf/yr SK-SP-21-073-PF Oxidation Gas (25%He/75%O2) TBD scf/yr SK-SP-21-085-PF Forming Gas (4% H2/Ar) SK-SP-21-085-PF Forming Gas (4% H2/He) 9,360 scf/yr SK-SP-21-085-PF P10 Gas (10% CH4/Ar) 32,469 scf/yr SK-SP-21-085-PF Instrument Air 50,194,861 scf/yr SK-SP-21-093-PF Plant Air 35,478,000 scf/yr SK-SP-21-093-PF Breathing Air 262,800,000 scf/yr SK-SP-21-093-PF		
- other materials (units/yr)	Tom Satkowski			

F-Area Alternative
KAC Alternative

Information Requested				
Operations		S&P, KAC	F/H Lab (PDC)	PDC, KAC
Waste generated (solid or liquid) (units/yr):				
- TRU	**Tom Satkowski**	TRU Waste 2,649 ft3/yr SK-SP-21-051-PF		
- Mixed TRU	**Tom Satkowski**	N/A		
- LLW	**Tom Satkowski**	LLW 1,950 ft3/yr SK-SP-21-051-PF LAW 140 ft3/yr SK-SP-21-097-PF		
- MLLW	**Tom Satkowski**	N/A		
- Hazardous	**Tom Satkowski**	N/A		
- Non-Hazardous	**Tom Satkowski**	Green-Is-Clean Waste 353 ft3/yr SK-SP-21-051-PF To Sanitary Sewer 28,382,400 gpy SK-SP-21-093-PF		
Chemical inventory for chemical accident analysis				
- List chemicals, total facility inventory, and annual usage of the chemical	**Tom Satkowski**	N/A		
- Size and location of largest tank (storage container) for each chemical. Include floor area or diked area that would contain the spill when applicable.	**Tom Satkowski**	N/A		
- Concentration of chemical in largest tank (identify if this is the highest concentration of the chemical being stored). If not, also list the other storage locations, size of tank and concentration of chemical being stored.	**Tom Satkowski**	N/A		