stock #	Status	Location	Category	Sub_Categor	Capacity	UOM	MOC	Description
7821-0	Stock	Henderson, NV	EVAPORATORS	Crystallizer	14000	TPY	Titanium	14,000 TPY Sodium Chlorate Crystallization System, Mfg. by Swenson / Astro Mettalurgical, single effect draft tube baffle type. Approx. 8' x 20 straight side with 4' cone top and 6' cone bottom. Rated FV @ 100°F. Unit has bottom drive with 15 HP Lightnin mixer with titanium grade 2 shaft and impeller. System includes: Titanium Plate Exchanger (Plant #30E-1 Crystallizer Heat Exchanger); Horizontal shell and tube Graham condensor, shell rated 20psi/FV @ 250°F, tubesrated 75 psi @250°F, Serial#66714-1, NB #1569, Built 1988; Nash Vacuum Pump System; Other Pumps- (3OP27 A/B, 3OP26A/B, 3OP15)
7821-1	Stock	Henderson, NV	SCRUBBERS	Scrubbers	24	" Dia	Titanium	24" diameter x 8' hgih Cosmos Material Corporation Titanium Grade 2 Vertical Vent Scrubber. Pneumatically tested at 5psi. Unit is complete with Koch Engineering Packing. Serial #9954. Built 2000.
7821-2	Stock	Henderson, NV	TANKS	High Alloy	10,000	Gal	Titanium	10,000 Gallon Vertical Titanium (Grade 2 B265) Storage Tank. Flat top and bottom. Approx. 12' diameter x 13' high. Year Built 1988. Previous Use: Sodium Chlorate
7821-3	Stock	Henderson, NV	CENTRIFUGES	Pusher Type	13.5	Dia (in)	Titanium	13.5" Diameter Baker Perkins Titanium Single Stage Pusher Centrifuge, type Ter Meer. Max operating speed 1500 RPM, complete with hydraulic drive system. Machine # 50718, Order # M-81624. Rebuilt 1992 (by Baker Perkins).
7821-6	Stock	Henderson, NV	FILTERS	Brine	150	Sq. Ft	Titanium	150 Sq. Ft. US Filter Brine Filter. Model # 44VJ-36-150F DCD, Type Verti-Jet with swing bolt door design, 44" diameter tank carbon steel lined with rubber (3/16" thick Butyl Rubber). There are 10 titanium leaver with 4" spacing, unit is rated for 75 psi @ 180F, complete with sluicing device. Serial # 7296. NB # 1884. Year Built 1988. Estimated weight- 1900 lbs.
7821-8	Stock	Henderson, NV	SCRUBBERS	Scrubbers	0		Titanium	Complete Hydrogen Scrubber System for a 14,000 TPY Sodium Chlorate Plant. Consisting of 1st and 2nd stage hydrogen scrubbers, circulating pumps, plate heat exchanger, Nash vacuum pump, piping and instrumenation. 1st Stage Info: Titanium (SB-265 Gr. 2), mfg. by Ellett Ltd. Ind., rated for 8 psi @ 95 F, Serial # C93465090. Approx. 32" ID x 18' H (4-section: packing, spary, distributing try and demister section). 2nd Stage Info: FRP material of construction, FRP-Hetron 980, mfg. by Norcore Plastics, max Specific gravity 1.0, max pressure 20 psi @ 104F, Built 1988. Unit requires a H-7 Model Hydrogen compressor (not included). Plate Exchanger- APV Crepaco, Titanium, Model # SR6-GLM-T, Serial #76646, NB# 2667, rated for 100 psi @ 200 F. Built 1988. Also

7821-9	Stock	Henderson, NV	HEAT EXCHANGERS	Plate- High Alloy	0	Sq. Ft	Titanium	TBD Sq. Ft. APV Crepaco Titanium Plate Heat Exchanger. Rated for 150 spi@300 F or -20 F @150 psi. Model #SR6GLOT. Serial # 76720. National Board #2756. Built 1988.
7821-10	Stock	Henderson, NV	HEAT EXCHANGERS	Plate- High Alloy	300	Sq. Ft	Titanium	300 Sq. Ft Tranter Inc (Texas Division) Titanium Plate Heat Exchanger. Rated 100 psi @ 200 F. Model # UX-296-HP-75, Serial # SC 3106. Built 1989. Estimated weight- 1513 lbs.
7821-29	Stock	Henderson, NV	SYSTEMS	Electrolysis Cells				The plant has (8) titanium reactors (Approx. 6' OD x 20') each with 3 Krebs NC 30 electrolysis cells with all interconnecting piping, buss bar and structural steel supports. Each cell has 36 anodes with 1311.125 sq. in. (33.3 sq. m) per anode. Operated at 105,000 amps a full capacity, which is 2.225 amps per sq. in. current density. Anodes are titanium and cathodes are carbon steel. Anodes were installed new in 1990, some recoated. Operated for approximately 7-8 years.Anodes are at approx. half life and in good operating condition. Anodes are titanium and cathodes are carbon steel (Material is ASTM A515 gr 60). (The cell body is 433/20.A51.03 and 02 drawings.) (3) Spare cells as well).