

EQUIPMENT SCHEDULE

SODIUM HYDROXIDE (NaOH) SYSTEM	DISCRIPTION
Metering Pump	
Pump Type	Diaphragm
Pump Head Material	316 Stainless Steel
Number of Pumps	2 (1 service + 1 standby)
Pump Design Capacity	3 gph
Pump Design Discharge Pressure	120 psi
Motor	1/2 HP, TEFC
Transfer Pump for RO Clean-In-Place	
Pump Type	Horizontal End Suction Centrifugal
Pump Head Material	316 Stainless Steel
Number of Pumps	2 (1 service + 1 standby)
Pump Capacity	4 gpm
Pump TDH	25 ft
Motor	1/2 HP, TEFC
Storage Tank	
Tank Material	FRP
Tank Dimensions	7' Dia. by 8'-6" Side wall Height
Tank Capacity	2,000 gallons

CITRIC ACID SYSTEM	DISCRIPTION
Pump Type	Horizontal End Suction Centrifugal
Pump Head Material	316 Stainless Steel
Number of Pumps	2 (1 service + 1 standby)
Pump Capacity	20 gpm
Pump TDH	25 ft
Motor	1/2 HP, TEFC
Storage Tank	
Tank Material	FRP
Tank Dimensions	5' Dia. by 7'-6" side wall Height
Tank Capacity	1,000 gallons

CORROSION INHIBITOR SYSTEM	DISCRIPTION
Metering Pump	
Pump Type	Diaphragm
Pump Head Material	316 Stainless Steel
Number of Pumps	2 (1 service + 1 standby)
Pump Design Capacity	2 gph
Pump Design Discharge Pressure	120 psi
Motor	1/2 HP, TEFC
Storage Tank	
Tank Material	FRP
Tank Dimensions	5' Dia. by 7'-6" side wall Height
Tank Capacity	1000 gallons

SODIUM HYPOCHLORITE SYSTEM	DISCRIPTION
Salt Saturator Tank	
Tank Material	FRP
Tank Dimensions	8' Dia. by 15' Side Wall Height
Tank Capacity	23 tons
Sodium Hypochlorite Generator	
Number of Generators	Two 450 lb/day units
Sodium Hypochlorite Strength, Approximate	0.8%
Metering Pump Upstream of Clearwell	
Pump Type	Diaphragm
Pump Head Material	PVDF
Number of Pumps	2 (1 service + 1 standby)
Pump Design Capacity	100 gph
Pump Design Discharge Pressure	120 psi
Motor	1 HP, TEFC
Metering Pump Downstream of Clearwell (Final Metering)	
Pump Type	Diaphragm
Pump Head Material	PVDF
Number of Pumps	2 (1 service + 1 standby)
Pump Design Capacity	100 gph
Pump Design Discharge Pressure	120 psi
Motor	1 HP, TEFC
Metering Pump Upstream of Fe/Mn Removal System	
Pump Type	Diaphragm
Pump Head Material	PVDF
Number of Pumps	2 (1 service + 1 standby)
Pump Design Capacity	250 gph
Pump Design Discharge Pressure	120 psi
Motor	2 HP, TEFC
Storage Tank	
Tank Material	FRP
Tank Dimensions	11.5' Dia. by 12' Side Wall Height
Tank Capacity	7,000 gallons

AQUEOUS AMMONIA SYSTEM	DISCRIPTION
Metering Pump	
Pump Type	Diaphragm
Pump Head Material	316 Stainless Steel
Number of Pumps	2 (1 service + 1 standby)
Pump Design Capacity	2 gph
Pump Design Discharge Pressure	150 psi
Motor	1/2 HP, TEFC
Storage Tank	
Tank Material	FRP
Tank Dimensions	5' Dia. By 7'-6" straight shell height
Tank Capacity	1,000 gallons

FLOURIDE SYSTEM	DISCRIPTION
Metering Pump	
Pump Type	Peristaltic
Pump Head Material	316 Stainless Steel
Number of Pumps	2 (1 service + 1 standby)
Pump Design Capacity	2 gph
Pump Design Discharge Pressure	150 psi
Motor	1/2 HP, TEFC
Transfer Pump	
Pump Type	Horizontal End Suction Centrifugal
Pump Head Material	316 Stainless Steel
Number of Pumps	2 (1 service + 1 shelf spare)
Pump Capacity	5 gpm
Pump TDH	10 ft
Motor	1/4 HP, TEFC
Storage Tank	
Tank Material	FRP
Tank Dimensions	5' Dia. By 7'-6" straight shell height
Tank Capacity	1,000 gallons
Day Tank	
Tank Material	Polyethylene - Double Wall
Tank Dimensions	2' Dia. By 3' straight shell height
Tank Capacity	35 gallons

SODIUM BISULFITE SYSTEM	DISCRIPTION
Metering Pump	
Pump Type	Diaphragm
Pump Head Material	316 Stainless Steel
Number of Pumps	2 (1 service + 1 standby)
Pump Design Capacity	8 gph
Pump Design Discharge Pressure	120 psi
Motor	1/2 HP, TEFC
Storage Tank	
Tank Material	FRP
Tank Dimensions	8' Dia. By 9.5' straight shell height
Tank Capacity	3000 gallons

SYMBOL	DESCRIPTIONS	DATE	APPROVAL

EASTERN MUNICIPAL WATER DISTRICT
PERRIS II DESALINATION FACILITY
PERRIS, CALIFORNIA

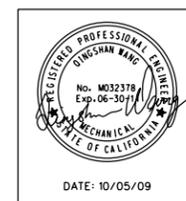
EQUIPMENT SCHEDULE SHEET 2

DESIGNED BY: G. WANG
DRAWN BY: A. GORDEN
CHECKED BY: A. NAMEY

U.S. ARMY ENGINEER DISTRICT
LOS ANGELES
CORPS OF ENGINEERS

ART. JUNG, P.E.
CHIEF, DESIGN BRANCH

L.A. DISTRICT FILE NO. XXX-XXXX
SPEC. NO. : NOT APPLICABLE
CADD FILE NAME: PDFg07d.dgn



DATE: 10/05/09

PLOT DATE: 2/19/2010 PLOT TIME: 10:53:01 AM

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