



MECHANICAL DATA SHEET
PRETREATMENT
DECONTAMINATION TANK

CM

Data Sheet No. 24590-PTF-MOD-PIH-P0015
Plant Item No. 24590-PTF-MT-PIH-TK-00001
Revision 1



Project	RPP-WTP	Job No.	24590
Description	Pretreatment Facility Decontamination Tank	Building No.	10
Function	Provides a means of decontaminating various plant items for repair or disposal	System No.	PIH
Associated Drawing No.	24590-PTF-MOK-PIH-00014003 DELETED	Supporting Calc No.	CCN 054200
24590-PTF-M0-PIH-P0019001			
24590-PTF-M0-PIH-P0019002			
24590-WTP-3PS-HD00-TP001			

ISSUED BY
RPP-WTP-PDO

Design Criteria

Quality Level	CM	Safety Class	Non ITS	Design Temp.	212°F see notes 1 & 2 Δ
Design Life	40 years	Seismic Criteria	SC-III	Design Press.	Atmospheric (0 psig) see note 1

Operating Environment

		In - Cell	Rm. #	P-0123A	In Tank	Rm. #	
		Min	Max	Min	Max		
Temperature	deg F	59	113	59	212 Δ		
Relative Humidity	%	5	85	10	100		
Radiological Equip. Dose	gamma mrad/hr	100	600,000	100	600,000		
	neutron mrad/hr	Negligible	Negligible	Negligible	Negligible		
Radiological Classification	R5						
Contamination Classification	C5						

Equipment Data

Item	Weight	lbf		Outside Diam	in		
Tank (dry)	Weight	lbf	3,140 (max, dry)	Outside Diam	in		102
Total Tank (wet)	Weight	lbf	17,164 (max, wet)	Inside Diameter	in		96
Immersed Component (max weight)	Weight	lbf	10,000	Depth	in		48-50
Total Footprint	Weight	lbf	27,164 (max, wet)	Overall Height	in		55

Parameters		Minimum	Maximum
	lbf		
Duty Cycle		N/A	Continuous
Cycle Time	min.	Various	N/A
Travel/Rotation		N/A	N/A
Speed	ft/min	N/A	N/A
Special Conditions			



EXPIRES: 01/13/06

- Notes:
1. Primary design standard for tank is API 620, tenth edition, February, 2002. Δ
 2. See 24590-PTF-M0-PIH-00019002 document for sizing heating system capacity for tank, liquid and contents. Δ

8/21/06	1	Issued for permitting; 212°F was 200°F. note 1 clarifies design Temp. Added Note 2.				
05/22/06	0	ISSUED FOR PERMITTING PURPOSES	Alan Rathmacher	Paul Meeuwsen	Phil Snider	David J. Wilsey
Date	REV	Revisions	By	Checked	Supervisor	Approved
Doc Number		24590-PTF-MOD-PIH-P0015	REV	1	Page	1 of 2

