Appendix F – Alternative Cost Information for Theresa Street WWTF

Theresa Street WWTF Improvement Costs

Nitrification capacity expansion		$22,700,000
Preliminary Treatment		
South raw wastwater pumping station	$1,000,000	
North raw wastewater pumping station	$900,000	
Grit handling facilities	$4,500,000	$6,400,000
Cogeneration facility improvements		$300,000
Anaerobic digester complex imporvements		
Additional digester	$3,500,000	
Gas equalization or storage	$2,000,000	
Replace sludge valves on heating loop	$500,000	
Replace gas mixers and compressors	$600,000	$6,600,000
West Side Process improvements		
Primary sludge pump replacement	$400,000	
Replace RAS pumps	$600,000	
New blowers	$900,000	
Secondary clarifier improvements	$700,000	$2,600,000
East Side Process Improvements		
Primary sludge pump replacement	$600,000	
Aeration system improvements	$5,000,000	
Secondary clarifier improvements	$1,000,000	$6,600,000
DAF Improvements		$2,500,000
Dewatering system Improvements		$5,800,000
Maintenance Shop rehabilitation		$600,000
Electrical improvements		$500,000
Collection system shop improvements		$500,000
Administration building improvements		$600,000
Liquid waste handling facility improvements		$1,300,000
General system improvements		
Wet weather flow equalization facilities	$9,800,000	
Equalization of side stream flows	$1,200,000	
Hydraulic Capacity Improvements	$3,700,000	
General System Upgrades	$15,800,000	$30,500,000
General site improvements		
Replace potable water distribution system	$400,000	
On-line process control facilities	$400,000	
Flood protection	$1,200,000	
Outdoor lighting	$200,000	
Pavement rehabilitation	$200,000	
Gas line service replacement	$100,000	$2,500,000
TOTAL:		$90,000,000