

Flood Control Project Maintenance
2008 Structure Summary Report
Overall Unit and Item Ratings

Turlock Irrigation District

Gomes Lake Pumping Plant

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	A
	Cranes	A
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	A
	Sluice / Slide Gates	A
	Electric Gate Operators	A
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Security Fencing	A
	Intake and Discharge Pipes	A
	Pressurized Pipe	A

Flood Control Project Maintenance

Unit Cover Sheet

2008 Pumping Plant Inspection Results

Turlock Irrigation District

Pumping Plant
Gomes Lake Pumping Plant

Date of Inspection	12/3/2008
DWR Inspector	David Pesavento
Pumping Plant Rating	A

**Flood Control Project Maintenance
Inspection Report - Structure 2008**

Turlock Irrigation District

Structure		Inspection Date	Inspector
Gomes Lake Pumping Plant		12/03/2008	David Pesavento

Roll Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
1	Pump Stations	Operating Log		A	The operator had a copy of a log of what maintenance and internal inspections of the station and was able to show it to me at the station.	°		1
2	Pump Stations	Operation & Maintenance Manual		A	The operator had a copy of the USACE O&M manual and was able to show it to me at the station.	°		2
3	Pump Stations	Plant Building		A	The structure where the pumps and equipment were located appeared in adequate condition. There are some bullet holes in some of the structure, but should not affect the performance of the station. The lights have been shot out and are not functional.	°	Y	3
4	Pump Stations	Communications		A	Station operators have cell phones and radios in the field.	°		4
5	Pump Stations	Safety		A	The station is adequately maintained and there do not appear to be any abnormal hazards that would cause station operators harm.	°		5
6	Pump Stations	Cranes		N	There is no crane located at this station.	°		6
7	Pump Stations	Pumps		A	The pumps appear well maintained. The station operator turned on one pump during the inspection; the pump operated well and a strong draw in the channel could be seen. The station operator stated that the pumps have recently been re-built.	°	Y	7
8	Pump Stations	Power		A	The power source is considered adequate. No generators are located onsite, but the maintaining agency is also the power company and would be able to give priority to restoring power to the station.	°	Y	8
9	Pump Stations	Motors, Engines, Fans & Gear Reducers		A	All equipment associated with the pump appears to be adequately maintained.	°		9
10	Pump Stations	Pump Control Systems		A	The station is with automatic pump control systems and can also be switched to manual control. The control system appeared to be adequately maintained and operational.	°	Y	10
11	Pump Stations	Sumps/Wet Well		A	Sump appears to be adequately maintained and relatively free of vegetation and debris.	°	Y	11
12	Pump Stations	Trash Racks		A	Trash racks completely surround the pump station and appeared to be in adequate condition.	°	Y	12
13	Pump Stations	Trash Rakes		N	The trash rakes are manually cleared with hand tools or an excavator as needed. There are no automatic trash rakes at this station.	°		13
14	Pump Stations	Sluice / Slide Gates		A	The slide gates appear to be in adequate condition and move with relative ease.	°	Y	14
15	Pump Stations	Electric Gate Operators		A	The electric gate operators were not used during the inspection but appeared in adequate condition and capable of performing.	°		15

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected C : Corrected
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Roll Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
16	Pump Stations	Manual Gate Operators		A	The manual gate operators appeared in adequate condition and to be maintained well. One operator was turned during the inspection and operated with relative ease.		°	16
17	Pump Stations	Other Metallic Items		A	No metallic items were observed with significant corrosion. The station appears to be adequately maintained and capable of performing.		°	17
18	Pump Stations	Flap Gates		A	Flap gates are installed on the outlet pipes and appeared to be capable of preventing water from flowing from the river through the levee.		°	Y 18
19	Pump Stations	Security Fencing		A	There is a security gate preventing access to the pumps on the station. The gate is in adequate repair and has a specific lock with limited access. The slide gates are outside of the fence but do not have locks on them and can be operated without a key.		°	Y 19
20	Pump Stations	Intake and Discharge Pipes		A	The intake and discharge pipes appeared to be in adequate condition and capable of performing.		°	20
21	Pump Stations	Pressurized Pipe		A	The pipes located at this station appear to be in adequate repair. No evidence of erosion due to leaks in the pipes was noted.		°	21

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Structure	Inspection Date	Inspector
Gomes Lake Pumping Plant	12/03/2008	David Pesavento

Report Line	3
Location	
Category	Pump Stations
Item	Plant Building

View of pump station from in front of the structure.



Report Line	3
Location	
Category	Pump Stations
Item	Plant Building

View of one of the shot out light fixtures.



Report Line	7
Location	
Category	Pump Stations
Item	Pumps

Two of the pumps at the station.



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Report Line	7
Location	
Category	Pump Stations
Item	Pumps

Second view of pumps, showing pumps 2 & 3. All three pumps have been recently re-built.



Report Line	8
Location	
Category	Pump Stations
Item	Power

View of electrical transformers adjacent to the station.



Report Line	10
Location	
Category	Pump Stations
Item	Pump Control Systems

View of power cabinets and primary switching gear.



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Report Line	10
Location	
Category	Pump Stations
Item	Pump Control Systems
View of automatic/remote switching gear. Also shown is level sensor in the center.	



Report Line	11
Location	
Category	Pump Stations
Item	Sumps/Wet Well
View inside trash rack of sump/wet well.	



Report Line	12
Location	
Category	Pump Stations
Item	Trash Racks
View of rear of trash racks.	



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Report Line	14
Location	
Category	Pump Stations
Item	Sluice / Slide Gates
View of slide gate structure and gate operators.	



Report Line	18
Location	
Category	Pump Stations
Item	Flap Gates
View of flap gates from wingwall.	



Report Line	19
Location	
Category	Pump Stations
Item	Security Fencing
View of station from levee. Note the security gate on the catwalk.	



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