

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

City of Sacramento

Magpie Creek Pumping Plant

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	M
	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
	Closure Structures	A
	Security Fencing	A
	Intake and Discharge Pipes	A
	Pressurized Pipe	A

Flood Control Project Maintenance

Unit Cover Sheet

2008 Pumping Plant Inspection Results

City of Sacramento

Pumping Plant
Magpie Creek Pumping Plant

Date of Inspection	11/5/2008
DWR Inspector	David Pesavento
Pumping Plant Rating	A

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

City of Sacramento

Structure		Inspection Date	Inspector
Magpie Creek Pumping Plant		11/05/2008	David Pesavento

Roll Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
1	Pump Stations	Operating Log		A	The city now uses a city-wide database program to track maintenance issues and work performed. This program was observed during the inspection and a copy of the data can be made available.	°		1
2	Pump Stations	Operation & Maintenance Manual		A		°		2
3	Pump Stations	Plant Building		A	Plant building appears to be in adequate condition; no significant defects observed.	°	Y	3
4	Pump Stations	Communications		A	Phones are located in multiple locations at the pump stations. Personnel also carry cell phones and have access to city radio systems as well as a citywide database system.	°		4
5	Pump Stations	Safety		M	Propane tank not adequately protected. Place bollards around tank to protect from vehicular traffic.	°	Y	5
6	Pump Stations	Cranes		A	The crane was observed to be in good working order. It has been recently inspected and certified per OSHA requirements.	°	Y	17
7	Pump Stations	Pumps		A	Pumps were not operating at the time of the inspection but appear well maintained and able to perform adequately.	°	Y	16
8	Pump Stations	Power		A	The pump station is equiped with gas powered pumps in case of power failure. No evidence of electrical issues observed at the site.	°	Y	18
9	Pump Stations	Motors, Engines, Fans & Gear Reducers		A		°	Y	20
10	Pump Stations	Pump Control Systems		A	The city has a control system that can be operated remotely or onsite. The gas powered pumps must be switched on manually. No defects in the control systems noted.	°	Y	21
11	Pump Stations	Sumps/Wet Well		A	No significant debris observed in sumps.	°	Y	7
12	Pump Stations	Trash Racks		A	Trash racks are in place and properly maintained.	°	Y	9
13	Pump Stations	Trash Rakes		N	No trash rakes on trash rack. Racks are manually cleared, tool was observed on site.	°		8
14	Pump Stations	Sluice / Slide Gates		A		°		10
15	Pump Stations	Electric Gate Operators		N	Station does not have any automatic/electric actuators on gates.	°		11
16	Pump Stations	Manual Gate Operators		A	No significant defects observed at screws for opening and closing side gates. City crews have access to manual and portable mechanized actuating equipment.	°	Y	12

* 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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Magpie Creek Pumping Plant		11/05/2008	David Pesavento

Roll Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
17	Pump Stations	Other Metallic Items		A	All metallic items at the pump station are adequately maintained and protected from excessive damage.		°	15
18	Pump Stations	Flap Gates		A	Flap gates at discharge are able to close and appear functional. One outfall is welded shut, no flap gate present.		° Y	13
19	Pump Stations	Closure Structures		N	No closure structures observed at this station.		°	14
20	Pump Stations	Security Fencing		A			°	6
21	Pump Stations	Intake and Discharge Pipes		A	Pipes appear to be in good condition; no evidence of leaks noted. One intake blocked and currently not in use.		° Y	22
22	Pump Stations	Pressurized Pipe		A	Pipes appear to be in good condition; no evidence of leaks noted.		°	23

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Structure	Inspection Date	Inspector
Magpie Creek Pumping Plant	11/05/2008	David Pesavento

Report Line	3
Location	
Category	Pump Stations
Item	Plant Building

View of south side of pump building.



Report Line	5
Location	
Category	Pump Stations
Item	Safety

Place bollards to protect propane tank from vehicular traffic.



Report Line	6
Location	
Category	Pump Stations
Item	Cranes

View of the overhead crane located inside the building.



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Report Line	7
Location	
Category	Pump Stations
Item	Pumps

View of one of the gas operated pumps located inside the building.



Report Line	7
Location	
Category	Pump Stations
Item	Pumps

View of one of the large (background) and one of the small (foreground) electric pumps located inside the building.



Report Line	8
Location	
Category	Pump Stations
Item	Power

View of electrical switchgear for pumps.



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Report Line	9
Location	
Category	Pump Stations
Item	Motors, Engines, Fans & Gear Reducers
View of one of the fans located inside the building.	



Report Line	10
Location	
Category	Pump Stations
Item	Pump Control Systems
View of the city's control system equipment.	



Report Line	11
Location	
Category	Pump Stations
Item	Sumps/Wet Well
Sump/pipe intakes on south side.	



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Report Line	11
Location	
Category	Pump Stations
Item	Sumps/Wet Well
Sump/pipe intakes on north side.	



Report Line	12
Location	
Category	Pump Stations
Item	Trash Racks
View of trash racks from landside of channel looking north toward I-80.	



Report Line	16
Location	
Category	Pump Stations
Item	Manual Gate Operators
View of southernmost slide gate screw.	



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Report Line	18
Location	
Category	Pump Stations
Item	Flap Gates

View of north bank of discharge pipes and flap gates on waterside of levee.



Report Line	21
Location	
Category	Pump Stations
Item	Intake and Discharge Pipes

View of inactive and blocked intake pipe. The waterside of this pipe is welded shut.



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