

US Army Corps of Engineers

**Pittsburgh District** 

Notice to Navigation Interests

In reply refer to Notice No. below US Army Corps of Engineers, Pittsburgh District 1000 Liberty Avenue, Pittsburgh, PA 15222-4186 (412) 395-7183 http://www.lrd.usace.army.mil/op/nav\_notice.htm

Notice No. 03-57

Date: December 16, 2003

## <u>Principal Data Sheet - Navigation Locks and Dams</u> for the Pittsburgh District

**TO ALL WHOM IT MAY CONCERN:** Attached is a copy of the Pittsburgh District, Corps of Engineers, latest edition of the Principal Data sheet for Navigation Locks and Dams. If you have any question or comments on this information, please contact Dave Turcsanyi at 412-395-7183.

FOR THE DISTRICT ENGINEER:

/signed/

James J. Rockovich, P.E. Acting Chief, Operations and Readiness Division

											Dec 2002
										[	Dec 2003
RIVER			DOOL	GAGE	DEPTH IN		NAVIGATION				SERVICE
	LOCK	NORMAL POOL		AT TOP OF WALL	NORMAL POOL OVER GUARD SILLS		SUSPENDED		DAM GATES		BRIDGE OR
											BULKHEAD
			LOWER				UPPER	LOWER	TOTAL		CLEARANC
		GAGE	GAGE		UPPER	LOWER	GAGE	GAGE	OPEN IN FEET	NO. OF GATES	ABOVE NORM POO
	MON WHARF			18.5	DADK/W	AY (NEXT TO			- 21 7		
М	2	9.0	16.0	20.8	15.9	16.0	19.0 [f]	(F) CLOSED	- 21.7		48.6 [b]
O	3	9.0	9.0	18.1	11.9	11.6	17.5				40.0 [0]
N	4	9.0	9.0	15.0	20.0	10.7	17.5	29.0	80	5	58.2
N O	MAX	9.0	9.0	14.0	20.0		13.0	<u>29.0</u> 31.0	110	5	55.5
N	GRYS LDG	9.0	9.0	24.0	20.5	15.0	12.0 17.0 [g]	51.0	110	5	47.0
G	PT MAR	9.0	9.0	24.0 15.0	16.0	18.0 17.5	11.5	29.0	33	6	47.0
A	MORG	9.0	9.0	13.0	17.7	17.5	11.5	29.0	66	6	+0.0
Н	HILD	9.0	9.0	14.0	14.0	14.5	12.0	23.0	93	6	40.1
E	OPEK	9.0	9.0	14.0	14.0	14.0	12.0	32.0	<u> </u>	4	50.0
					- 2.5Floo		12.0	52.0			50.0
			,		e - 2.5						
А	10TH STRE	ET UNDER									
A L	10TH STRE 2	ET UNDER 9.0			10.9	12.2	19.0				
A L L			PASS CLO	SED - 22.5		12.2 10.8	19.0 18.0				
A L L E	2	9.0	PASS CLO 16.0	SED - 22.5 21.0	10.9						
L L	2 3	9.0 9.0	PASS CLO 16.0 9.0	SED - 22.5 21.0 20.0	10.9 11.8	10.8	18.0				
L L E	2 3 4	9.0 9.0 9.0	PASS CLO 16.0 9.0 9.0	SED - 22.5 21.0 20.0 21.0	10.9 11.8 8.5	10.8 10.0	18.0 18.0				
L L G	2 3 4 5	9.0 9.0 9.0 9.0	PASS CLO 16.0 9.0 9.0 9.0	SED - 22.5 21.0 20.0 21.0 20.2	10.9 11.8 8.5 10.3	10.8 10.0 10.5	18.0 18.0 16.0				
L E G H	2 3 4 5 6	9.0 9.0 9.0 9.0 9.0	PASS CLO 16.0 9.0 9.0 9.0 9.0	SED - 22.5 21.0 20.0 21.0 20.2 19.0	10.9 11.8 8.5 10.3 10.8	10.8 10.0 10.5 10.6	18.0 18.0 16.0 17.0				
L E G H E	2 3 4 5 6 7	9.0 9.0 9.0 9.0 9.0 9.0 9.0	PASS CLO 16.0 9.0 9.0 9.0 9.0 9.0	SED - 22.5 21.0 20.0 21.0 20.2 19.0 19.6	10.9 11.8 8.5 10.3 10.8 10.9	10.8 10.0 10.5 10.6 9.8	18.0         18.0         16.0         17.0				
L E G H E N	2 3 4 5 6 7 8 9	9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	PASS CLO 16.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9	SED - 22.5 21.0 20.0 21.0 20.2 19.0 19.6 <b>16.2</b> 19.0	10.9 11.8 8.5 10.3 10.8 10.9 13.8	10.8 10.0 10.5 10.6 9.8 11.0 10.5	18.0         18.0         16.0         17.0         17.0         14.2         17.0	25.0			
L E G H E N	2 3 4 5 6 7 8 9	9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	PASS CLO 16.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9	SED - 22.5 21.0 20.0 21.0 20.2 19.0 19.6 <b>16.2</b> 19.0	10.9 11.8 8.5 10.3 10.8 10.9 13.8 11.2 nal Gage - 16.0 17.0 [a]	10.8 10.0 10.5 10.6 9.8 11.0 10.5	18.0         18.0         16.0         17.0         17.0         14.2         17.0	25.0	105	14	
L E G H E N Y	2 3 4 5 6 7 8 9 9 PITTSBUR( EMS	9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 3H POINT ( 16.0	PASS CLO 16.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 3AGE 12.0	SED - 22.5 21.0 20.0 21.0 20.2 19.0 19.6 <b>16.2</b> 19.0 	10.9 11.8 8.5 10.3 10.8 10.9 13.8 11.2 nal Gage - 16.0 17.0 [a] 15.5 [b]	10.8 10.0 10.5 10.6 9.8 11.0 10.5 Fl 12.9	18.0 18.0 16.0 17.0 17.0 <b>14.2</b> 17.0 22 [c]	30.0	105	14	
L E G H E N Y	2 3 4 5 6 7 8 9 9 PITTSBURG EMS DASH	9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 3H POINT ( 16.0 12.0	PASS CLO 16.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 12.0 12.0	SED - 22.5 21.0 20.0 21.0 20.2 19.0 19.6 <b>16.2</b> 19.0 Norm 24.0 <b>25.6</b>	10.9 11.8 8.5 10.3 10.8 10.9 13.8 11.2 nal Gage - 16.0 17.0 [a] 15.5 [b] 13.0	10.8 10.0 10.5 10.6 9.8 11.0 10.5 12.9 17.1	18.0 18.0 16.0 17.0 17.0 <b>14.2</b> 17.0 22 [c] 23.0	30.0 24.2 [d]			
L E G H E N Y	2 3 4 5 6 7 8 9 9 PITTSBURG EMS DASH MONT	9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 3H POINT ( 16.0 12.0 12.0	PASS CLO 16.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 12.0 12.0 12.0	SED - 22.5 21.0 20.0 21.0 20.2 19.0 19.6 <b>16.2</b> 19.0 <b>19.0</b> <b>24.0</b> <b>25.6</b> 23.0	10.9 11.8 8.5 10.3 10.8 10.9 13.8 11.2 al Gage - 16.0 17.0 [a] 15.5 [b] 13.0 16.7	10.8 10.0 10.5 9.8 11.0 10.5 10.5 12.9 17.1 14.6	18.0 18.0 16.0 17.0 17.0 17.0 14.2 17.0 22 [c] 23.0 20.0	30.0 24.2 [d] 37.0	100	10	57.5
L E G H E N Y	2 3 4 5 6 7 8 9 9 PITTSBURG EMS DASH	9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 3H POINT ( 16.0 12.0	PASS CLO 16.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 12.0 12.0	SED - 22.5 21.0 20.0 21.0 20.2 19.0 19.6 <b>16.2</b> 19.0 Norm 24.0 <b>25.6</b>	10.9 11.8 8.5 10.3 10.8 10.9 13.8 11.2 nal Gage - 16.0 17.0 [a] 15.5 [b] 13.0	10.8 10.0 10.5 10.6 9.8 11.0 10.5 12.9 17.1	18.0 18.0 16.0 17.0 17.0 <b>14.2</b> 17.0 22 [c] 23.0	30.0 24.2 [d]		10 11	57.5 68.0 [e]
L E G H E N Y O H I	2 3 4 5 6 7 8 9 PITTSBURG EMS DASH MONT NCUM PIKE	9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 16.0 12.0 12.0 12.0 12.0	PASS CLO 16.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 12.0 12.0 12.0 12.0 12.0	SED - 22.5 21.0 20.0 21.0 20.2 19.0 19.6 <b>16.2</b> 19.0 24.0 <b>25.6</b> 23.0 21.5 24.0	10.9 11.8 8.5 10.3 10.8 10.9 13.8 11.2 13.8 11.2 17.0 [a] 15.5 [b] 13.0 16.7 17.0 17.0	10.8 10.0 10.5 10.6 9.8 11.0 10.5 12.9 17.1 14.6 14.8 15.0	18.0 18.0 16.0 17.0 17.0 14.2 17.0 22 [c] 23.0 20.0 17.5 19.0	30.0 24.2 [d] 37.0	100	10	
L E G H E N Y O H I	2 3 4 5 6 7 8 9 PITTSBURG EMS DASH MONT NCUM PIKE WHEELING	9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 16.0 12.0 12.0 12.0 12.0	PASS CLO 16.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 12.0 12.0 12.0 12.0 12.0	SED - 22.5 21.0 20.0 21.0 20.2 19.0 19.6 <b>16.2</b> 19.0 24.0 <b>25.6</b> 23.0 21.5 24.0	10.9 11.8 8.5 10.3 10.8 10.9 13.8 11.2 13.8 11.2 15.5 [b] 13.0 16.7 17.0	10.8 10.0 10.5 10.6 9.8 11.0 10.5 12.9 17.1 14.6 14.8 15.0	18.0 18.0 16.0 17.0 17.0 14.2 17.0 22 [c] 23.0 20.0 17.5 19.0	30.0 24.2 [d] 37.0 37.0	100 143	10 11	68.0 [e]
L E G H E N Y O H I	2 3 4 5 6 7 8 9 PITTSBURG EMS DASH MONT NCUM PIKE	9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 16.0 12.0 12.0 12.0 12.0	PASS CLO 16.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 12.0 12.0 12.0 12.0 12.0	SED - 22.5 21.0 20.0 21.0 20.2 19.0 19.6 <b>16.2</b> 19.0 <b>24.0</b> <b>25.6</b> 23.0 21.5 24.0	10.9 11.8 8.5 10.3 10.8 10.9 13.8 11.2 13.8 11.2 17.0 [a] 15.5 [b] 13.0 16.7 17.0 17.0	10.8 10.0 10.5 10.6 9.8 11.0 10.5 12.9 17.1 14.6 14.8 15.0	18.0 18.0 16.0 17.0 17.0 14.2 17.0 22 [c] 23.0 20.0 17.5 19.0	30.0 24.2 [d] 37.0 37.0	100 143	10 11	68.0 [e]

- a. Land chamber
- b. River chamber
- c. River chamber out of operation at 95.0 ft. open on dam. Upbound doubles restricted to 1 barge length at 95 ft. open, 2 barge lengths at 90-95 ft., and 3 barge lengths less than 90 ft. No restrictions if a helper boat is used.
  d. At a lower gage of 24.2 or higher - no double lockages.
- e. Clearance in Land and River chamber is 57.5 feet at normal pool; in Land Chamber with service bridge raised it is 68.0 feet.
- f. Start preparation for using River chamber as floodway at 16.0 gage on rising river. Floodway is operational from 17.0 till gage falls to 15.0; Land chamber closed during floodway operation.
- g. Start preparation for using lock chamber as floodway at 17.0 gage on rising river; set bulkhead at 18.5 gage.