

**MP 608 – Marshall, Michigan Incident  
NTSB/PHMSA Information Request No. 387**

**387 Reference:** NTSB email request of March 20, 2012 by Matt Nicholson

**Preamble:**

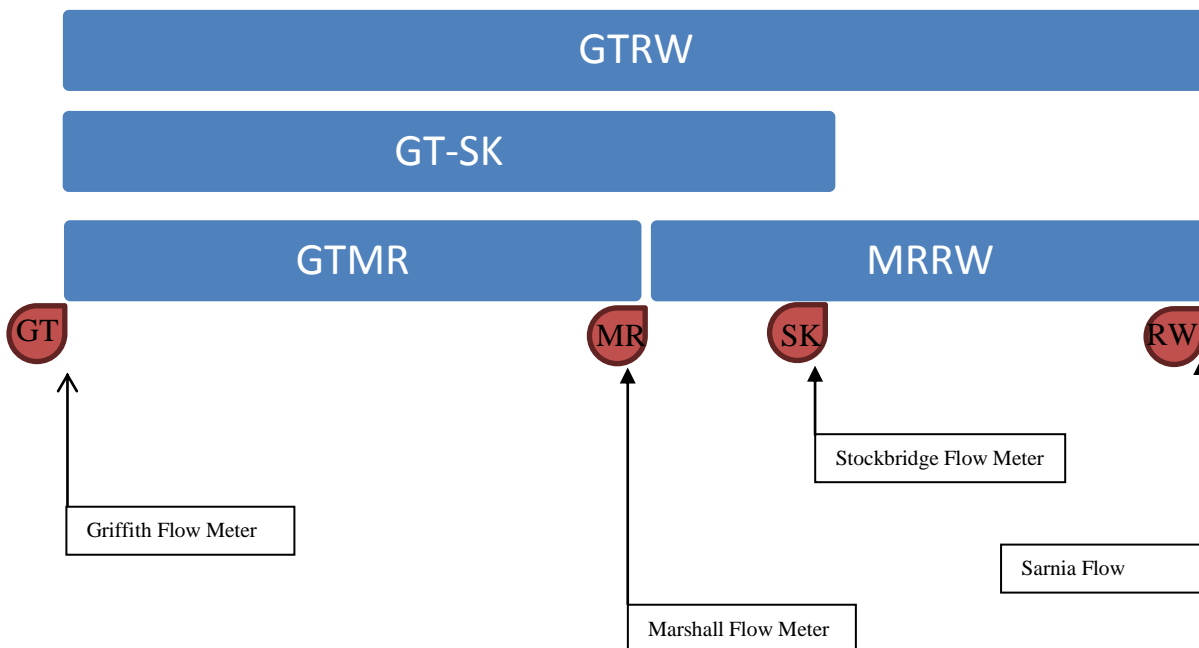
**Request:** Kelly [of NTSB] was told that the statement in his report that “line 6b is divided into two separate volume balance sections for leak detection” was inaccurate. Enbridge needs to revise 1.8 (attached) if it is no longer accurate. Please have this clarified immediately. Are there more than two alarm sections? Where are the flow meters that constitute these multiple segments? Was this in place during the Marshall accident?

**Response:**

At the time of the Marshall incident, Line 6B was divided into two separate volume balance sections, Griffith to Marshall (GTMR) and Marshall to Sarnia (MRRW), see Figure 1.

The comments made for the factual report were incorrect. In the interim two years, two additional volume balance sections have been added, for a total of four volume balance sections. An overlapping section from Griffith to Sarnia (GTRW) was added. In addition a Griffith to Stockbridge section has been added (GT-SK), see Figure 2.

The flow meters on Line 6B are located at Griffith, Marshall, Stockbridge, and Sarnia. I have attached a simple graphical representation for clarity.



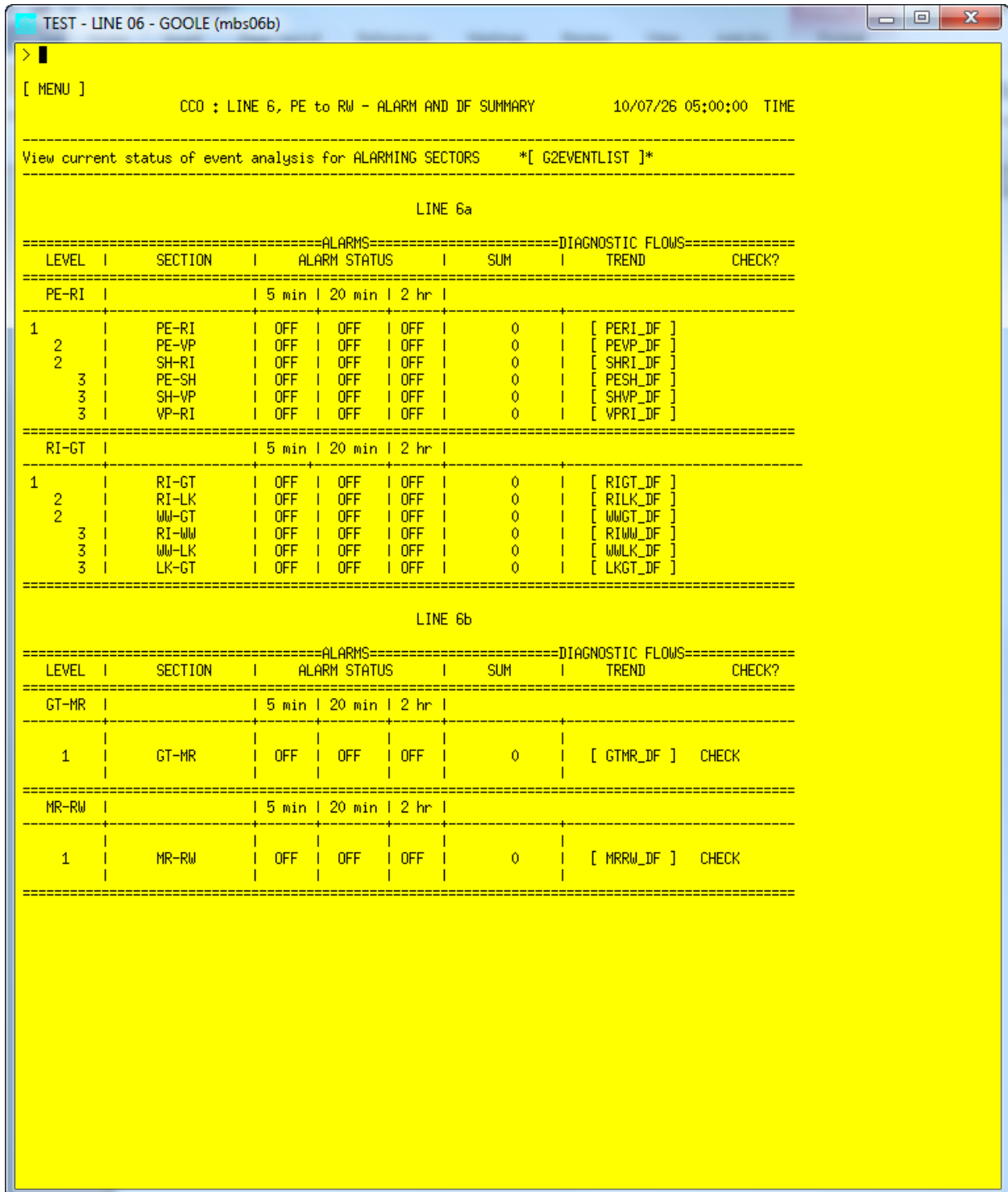


Figure 1: Volume Balance Sections in place July 26, 2010

LINE 06 MBS - goole (mbs06b) - displayed on: 10.70.64.75:12.0

Not Available

[ MENU ]

CCO : LINE 6, PE to RW - ALARM AND DF SUMMARY 00:00:00 TIME

View current status of event analysis for ALARMING SECTORS \*[ G2EVENTLIST ]\*

LINE 6a

LEVEL	SECTION	ALARMS			SUM	DIAGNOSTIC FLOWS		CHECK?
		5 min	20 min	2 hr		TREND		
PE-RI								
1	PE-RI				-1	[ PERI_DF ]	Ntwlbe	
2	PE-VP				-1	[ PEVP_DF ]	Ntwlbe	
2	SH-RI				-0	[ SHRI_DF ]	Ntwlbe	
3	PE-SH				-1	[ PESH_DF ]	Ntwlbe	
3	SH-VP				-0	[ SHVP_DF ]	Ntwlbe	
3	VP-RI				-0	[ VPRI_DF ]	Ntwlbe	
RI-GT								
1	RI-GT				0	[ RIGT_DF ]	Ntwlbe	
2	RI-LK				0	[ RILK_DF ]	Ntwlbe	
2	WW-GT				0	[ WWGT_DF ]	Ntwlbe	
3	RI-WW				0	[ RIWW_DF ]	Ntwlbe	
3	WW-LK				0	[ WWLK_DF ]	Ntwlbe	
3	LK-GT				0	[ LKGT_DF ]	Ntwlbe	
PE-GT								
1	PE-GT				-1	[ PEGT_DF ]	Ntwlbe	
LINE 6b								
LEVEL	SECTION	ALARMS			SUM	DIAGNOSTIC FLOWS		CHECK?
		5 min	20 min	2 hr		TREND		
GT-RW								
1	GT-RW				-0	[ GTRW_DF ]	Ntwlbe	
1	GT-SK				-0	[ GTSK_DF ]	Ntwlbe	
2	GT-HR				-0	[ GTHR_DF ]	Ntwlbe	
2	HR-RW				-0	[ HRRW_DF ]	Ntwlbe	

Figure 1: Volume Balance Sections in place March 20, 2012