MP 608 – Marshall, Michigan Incident NTSB/PHMSA Information Request No. 192

192.	Reference:	Email request by Matt Nicholson of December 22, 2010
	Preamble:	
	Request:	List of AOC's.
	Response:	Pipeline Obstruction
		Suspected Overpressure
		MBS Alarm
		Suspected Leak
		Confirmed Leak
		Site Emergency Alarm
		Suspected Column Separation
		Communications Failure
		SCADA Field Equipment Malfunction
		Station Lockout
		Valve Malfunction



a) Abnormal Operating Conditions

An Abnormal Operating Condition (AOC) is a condition that may indicate a malfunction of a component or deviation from normal operation that may:

- Indicate a condition exceeding design limits, or
- Result in a hazard(s) to persons, property or the environment

The following are identified as AOCs for Control Centre Operations. Additional conditions that could constitute an AOC according to the above definition must be reported to CCO Management.

Pipeline Obstruction

Obstruction Triggers – Pipeline <Link> Obstruction Triggers – Terminal <Link> Pipeline Obstruction <Link>

Station Lockout

Station Lockout <Link>

Suspected Leak

Suspected Leak - Pipeline - From SCADA Data <Link> Building Leak Detected <Link> Densitometer Trouble or Densitometer Leak <Link> Station Trouble (those that state "bldg leak") <Link> Leak Triggers - From CMT Data <Link> Leak Triggers - From SCADA Data <Link>

MBS Alarm

MBS Alarm <Link> MBS System Malfunction <Link>

Suspected Column Separation

Suspected Column Separation <Link>

Communications Failure

Communications Failure – Pipeline <Link> Communications Failure – Terminal <Link>

SCADA Field Equipment Malfunction

PLC Outage – Station <Link> PLC Failure - Frozen Data <Link> Pressure Readback Outage – Station <Link>

Confirmed Leak

Confirmed Leak - Pipeline - SCADA or CMT Data <Link>

Valve Malfunction



Terminal Valve Failures <Link> Sectionalizing Valve Alarms <Link> Sectionalizing Valve - Command Failure <Link> Station Trouble (those that state "PCV pump not running") <Link>

Site Emergency Alarm

Fire Alarm – Terminal <Link> Gas Alarm – Terminal <Link> Fire Alarm – Station <Link> Gas Alarm – Station <Link> Tank High High Level Alarm <Link>

Suspected Overpressure

Overpressure Triggers <Link>

Reported Incident

Reported in Incident Recieving Form <Link>

Related Topics Abnormal Operating Condition Reporting Requirements