

Harbor Brook CSO 018 Constructed Wetlands Pilot Treatment Facility  
SCADA Alarms

Alarm Name	Message	Description	Metro Board Action	On Call Personnel Action
E06I100	HBW - Power Failure	Power failure at the grit and floatables facility	Notify on call Syr. San. Flow Control personnel	Notify Adam Woodburn, Syr. San. Flow Control personnel to proceed to site immediately and manually control system until power returns.
E06I102	HBW - SANSEP1 Outside Level - Loss of Signal	Level sensor signal loss	Notify on call Syr. San. Flow Control personnel	Notify Adam Woodburn. Adam to discuss with CH2M HILL. System operation and performance not affected.
E06I104	HBW - SANSEP2 Outside Level - Loss of Signal	Level sensor signal loss	Notify on call Syr. San. Flow Control personnel	Notify Adam Woodburn. Adam to discuss with CH2M HILL. System operation and performance not affected.
E06I105	HBW - MH-3C - Loss of Signal	Level sensor signal loss	Notify on call Syr. San. Flow Control personnel	Notify Adam Woodburn. Adam to discuss with CH2M HILL. System operation and performance not affected.
E06I106	HBW - BOX 2 - Loss of Signal	Level sensor signal loss	Notify on call Syr. San. Flow Control personnel	Notify Adam Woodburn. Adam to discuss with CH2M HILL. System operation and performance not affected.
E06I202	HBW - BOX 1A Gate - Local Mode	Box 1A gate in manual mode, automatic operation of system will not occur	Notify on call Syr. San. Flow Control personnel	Notify Adam Woodburn. Adam to discuss internally and with CH2M to determine when to put Box 1A gate back into remote mode.
E06I204	HBW - BOX 1A Gate - Malfunction Alarm	Box 1A gate malfunction due to blockage, incorrect calibration or programming glitch	Notify on call Syr. San. Flow Control personnel	Notify Adam Woodburn. Adam to notify on call Flow Control personnel to proceed to site to diagnose malfunction and discuss resolution with CH2M.
E06I207	HBW - MH-3C 3C Gate - Local Mode	MH-3C drain valve in manual mode; underflow from SanSeps will not be diverted to HBIS	Notify on call Syr. San. Flow Control personnel	Notify Adam Woodburn. Adam to discuss internally and with CH2M to determine when to put MH-3C drain valve back into remote mode.
E06I209	HBW - MH-3C Gate - Malfunction Alarm	MH-3C drain valve malfunction due to blockage, incorrect calibration or programming glitch	Notify on call Syr. San. Flow Control personnel	Notify Adam Woodburn. Adam to notify on call Flow Control personnel to proceed to site to diagnose malfunction and discuss resolution with CH2M.
E06_DEVICE_DOWN	HBW - Panel A PLC Communication Failure	Loss of communication with Panel A at the grit and floatables facility	Follow pre-established Device Down protocol with WEP I/E.	None
E06_INF_ST	HBW - BOX 1A Gate Close - Influent Diversion Start - Notify Sampling Staff	Box 1A gate valve closed, flow being diverted to the grit and floatables facility	Notify sampling staff to mobilize and collect influent samples per sampling protocol.	None
E06_INF_END	HBW - BOX 1A Gate Open - Influent Diversion End	Box 1A gate valve opened, influent diversion event end	Notify sampling staff & lab (oncall cell phone after hours)	None
E06_FLUSH_AL	HBW - SANSEP Flush Cycle Failed to Complete	SanSep washdown sprays failed to activate at the end of an event	Notify on call Syr. San. Flow Control personnel	Notify Adam Woodburn. Flow Control to manually clean SanSep screens until washdown sprays return to automatic functioning.
E07_DEVICE_DOWN	HBW - Panel B PLC Communication Failure	Loss of communication with Panel B at the wetland cells	Follow pre-established Device Down protocol with WEP I/E.	None
E07_EFF_ST	HBW - MH-19 - Effluent Discharge Start - Notify Sampling Staff	Flow is discharging out the CSO 018 outfall, an "Event" is occurring.	Notify sampling staff to mobilize and collect effluent samples per sampling protocol.	None
E07_EFF_END	HBW - MH-19 - Effluent Discharge End	Flow has stopped discharging out the effluent and the "Event" has ceased.	None, provided to notify Metro Board that effluent discharge event has ended, in the event of a subsequent, new effluent discharge event.	None