

Pow Outlet Analogues QC file

Parameter	Start date	End date	Class	Error code	Description	Flagged by	Value
TR Phosphate			Llimit	Critical	LoD: 10 x DI water blanks used	Jennine Jonczyk	0.047
Ammonium			Llimit	Critical	LoD based on manufacturer info; unable to perform manually as would break ion selective probe	Jennine Jonczyk	0.2
Nitrate-N			Llimit	Critical	LoD based on manufacturer info; unable to perform manually as would break ion selective probe	Jennine Jonczyk	0.1
Total Phosphate			Llimit	Critical	LoD: 10 x DI water blanks used	Jennine Jonczyk	0.072
All	13/09/2011 14:00	27/03/20 12 10:00	Timeseries	Critical	Data invalid- "floating" CB trying to retrieve from logger through john hardman.	Jennine Jonczyk	
Water level	13/09/2011 13:30	10/07/20 12 08:15	Timeseries	Critical	rating curve showing changing bank- best to use water level from diver in bridge cross section. Would prefer this data not to be available for analysisf.as no stage -discharge relationship will be exstablished	Jennine Jonczyk	
TR Phosphate	27/02/2012 11:00	27/02/20 12 11:00	Event	Critical	Erroneous spike	Nick Barber	
Total Phosphate	02/03/2012 15:30	02/03/20 12 15:30	Event	Critical	Erroneous spike	Nick Barber	
Nitrate-N	30/03/2012 15:00	30/03/20 12 16:00	Timeseries	Critical	maintenance by CB-info from email	Jennine Jonczyk	
Total Phosphate	30/03/2012 15:00	30/03/20 12 16:00	Timeseries	Critical	maintenance by CB-info from email	Jennine Jonczyk	
TR Phosphate	30/03/2012 15:00	30/03/20 12 16:00	Timeseries	Critical	maintenance by CB-info from email	Jennine Jonczyk	
Total Phosphate	11/05/2012 12:15	11/05/20 12 12:15	Event	Moderate	jump	Jennine Jonczyk	
TR Phosphate	11/05/2012 12:15	11/05/20 12 12:15	Event	Moderate	jump	Jennine Jonczyk	
TR Phosphate	22/05/2012 16:00	29/05/20 12 13:45	Timeseries	Critical	negative SRP-machine error	Jennine Jonczyk	
Total Phosphate	22/05/2012 16:00	29/05/20 12 13:45	Timeseries	Critical	Flat lined TP-machine error, as in SRP	Jennine Jonczyk	
Nitrate-N	24/05/2012 13:00	24/05/20 12 13:00	Event	Critical	Erroneous spike	Nick Barber	
Total Phosphate	23/07/2012 12:30	23/07/20 12 12:30	Event	Critical	Erroneous spike	Nick Barber	
Total Phosphate	28/07/2012 12:00	28/07/20 12 12:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
TR Phosphate	03/08/2012 07:45	07/08/20 12 19:30	Timeseries	Critical	Poor data	Nick Barber	
Total Phosphate	03/08/2012 07:45	07/08/20 12 19:30	Timeseries	Critical	Poor data	Nick Barber	
Total Phosphate	07/08/2012 19:00	07/08/20 12 19:00	Event	Critical	Erroneous spike	Nick Barber	
Nitrate-N	09/08/2012 10:30	09/08/20 12 14:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
TR Phosphate	09/08/2012 10:15	09/08/20 12 15:30	Timeseries	Critical	Erroneous spikes	Nick Barber	
Total Phosphate	09/08/2012 10:15	09/08/20 12 15:30	Timeseries	Critical	Erroneous spikes	Nick Barber	
Total Phosphate	05/09/2012 10:30	05/09/20 12 16:30	Timeseries	Critical	Erroneous spikes	Nick Barber	

Nitrate-N	28/09/2012 10:00	28/09/20 12 11:30	Timeseries	Critical	Erroneous spikes	Nick Barber	
Total Phosphate	09/10/2012 12:30	09/10/20 12 14:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
Nitrate-N	24/10/2012 12:00	24/10/20 12 12:00	Event	Critical	Erroneous spike	Nick Barber	
Total Phosphate	24/10/2012 12:00	24/10/20 12 13:30	Timeseries	Critical	Erroneous spikes	Nick Barber	
TR Phosphate	21/11/2012 11:30	21/11/20 12 13:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
Total Phosphate	26/11/2012 03:45	29/11/20 12 15:15	Timeseries	Critical	Erroneous spikes	Nick Barber	
TR Phosphate	26/11/2012 03:45	29/11/20 12 15:15	Timeseries	Critical	Erroneous spikes	Nick Barber	
Total Phosphate	29/11/2012 10:30	29/11/20 12 15:00	Timeseries	Critical	Pedal valve not working; seal also degraded completely	Jennine Jonczyk	
TR Phosphate	29/11/2012 10:30	29/11/20 12 15:00	Timeseries	Critical	Pedal valve not working; seal also degraded completely	Jennine Jonczyk	
Total Phosphate	15/12/2012 00:00	08/01/20 13 14:00	Timeseries	Critical	No valid P data	Nick Barber	
TR Phosphate	15/12/2012 00:00	08/01/20 13 14:00	Timeseries	Critical	No valid P data	Nick Barber	
Total Phosphate	17/12/2012 12:15	17/12/20 12 13:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
TR Phosphate	17/12/2012 12:15	17/12/20 12 13:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
Total Phosphate	18/12/2012 07:30	18/12/20 12 08:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
TR Phosphate	23/12/2012 06:00	23/12/20 12 11:30	Timeseries	Critical	Erroneous spikes	Nick Barber	
Total Phosphate	23/12/2012 06:00	23/12/20 12 11:30	Timeseries	Critical	Erroneous spikes	Nick Barber	
Nitrate-N	08/01/2013 12:30	08/01/20 13 12:30	Event	Critical	Erroneous spike	Nick Barber	
Total Phosphate	08/01/2013 12:30	08/01/20 13 13:30	Timeseries	Critical	Erroneous spikes	Nick Barber	
Nitrate-N	24/01/2013 10:30	24/01/20 13 10:30	Event	Critical	not a Jump in conc - change in probe settings - was reading NOx-N, now reading NO3	Jennine Jonczyk	
Total Phosphate	30/01/2013 13:00	30/01/20 13 13:00	Event	Critical	Erroneous spike	Nick Barber	
Nitrate-N	11/02/2013 15:00	11/02/20 13 15:00	Event	Critical	Erroneous spike	Nick Barber	
Total Phosphate	11/02/2013 15:00	11/02/20 13 15:00	Event	Critical	Erroneous spike	Nick Barber	
Nitrate-N	27/02/2013 11:00	27/02/20 13 11:00	Event	Critical	Erroneous spike	Nick Barber	
Nitrate-N	18/03/2013 15:45	18/03/20 13 15:45	Event	Critical	spike	Jennine Jonczyk	
Total Phosphate	18/03/2013 15:45	18/03/20 13 15:45	Event	Critical	spike	Jennine Jonczyk	
Nitrate-N	27/03/2013 14:30	27/03/20 13 14:30	Event	Critical	Erroneous spike	Nick Barber	

Nitrate-N	05/04/2013 11:30	05/04/20 13 11:30	Event	Critical	Erroneous spike	Nick Barber	
Total Phosphate	05/04/2013 12:30	05/04/20 13 12:30	Event	Critical	Erroneous spike	Nick Barber	
Nitrate-N	10/04/2013 10:15	10/04/20 13 11:15	Timeseries	Critical	negative numbers	Jennine Jonczyk	
Nitrate-N	26/04/2013 16:00	26/04/20 13 16:00	Event	Critical	Erroneous spike	Nick Barber	
Total Phosphate	02/05/2013 09:30	02/05/20 13 15:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
Nitrate-N	02/05/2013 10:00	02/05/20 13 10:00	Event	Critical	Erroneous spike	Nick Barber	
All	07/05/2013 22:00	29/05/20 13 14:00	Timeseries	Critical	pump tubing to flow thru cell split	Jennine Jonczyk	
Total Phosphate	13/06/2013 14:00	13/06/20 13 14:00	Event	Critical	Erroneous spike	Nick Barber	
Total Phosphate	19/06/2013 14:30	19/06/20 13 14:30	Event	Critical	Erroneous spike	Nick Barber	
Ammonium	11/07/2013 10:30	01/08/20 13 14:00	Timeseries	Critical	probe malfunction	Jennine Jonczyk	
TR Phosphate	11/07/2013 11:00	11/07/20 13 11:30	Timeseries	Critical	Erroneous spikes	Nick Barber	
Nitrate-N	15/08/2013 11:00	15/08/20 13 11:00	Event	Critical	Erroneous spike	Nick Barber	
Total Phosphate	19/06/2013 14:30	19/06/20 13 14:30	Event	Critical	Erroneous spike	Nick Barber	
Total Phosphate	01/08/2013 09:00	01/08/20 13 14:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
TR Phosphate	01/08/2013 09:00	01/08/20 13 14:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
Total Phosphate	14/08/2013 21:15	21/08/20 13 20:00	Timeseries	Critical	No valid P data	Nick Barber	
TR Phosphate	14/08/2013 21:15	21/08/20 13 20:00	Timeseries	Critical	No valid P data	Nick Barber	
Nitrate-N	21/08/2013 11:30	21/08/20 13 11:30	Event	Critical	Erroneous spike	Nick Barber	
Total Phosphate	21/08/2013 11:30	21/08/20 13 12:30	Timeseries	Critical	Erroneous spikes	Nick Barber	
TR Phosphate	21/08/2013 11:30	21/08/20 13 12:30	Timeseries	Critical	Erroneous spikes	Nick Barber	
Nitrate-N	28/08/2013 12:00	28/08/20 13 12:00	Event	Critical	Erroneous spike	Nick Barber	
Total Phosphate	28/08/2013 12:00	28/08/20 13 13:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
TR Phosphate	28/08/2013 12:00	28/08/20 13 13:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
Total Phosphate	30/08/2013 04:00	09/09/20 13 14:15	Timeseries	Critical	No valid P data	Nick Barber	
TR Phosphate	30/08/2013 04:00	09/09/20 13 14:15	Timeseries	Critical	No valid P data	Nick Barber	
Nitrate-N	24/09/2013 12:30	24/09/20 13 12:30	Event	Critical	Erroneous spike	Nick Barber	

Ammonium	26/09/2013 14:15	23/10/20 13 13:00	Timeseries	Critical	probe malfunction	Jennine Jonczyk	
Total Phosphate	01/10/2014 13:00	01/10/20 14 13:00	Event	Critical	Erroneous spike	Nick Barber	
Nitrate-N	08/10/2013 14:00	08/10/20 13 14:00	Event	Critical	Erroneous spike	Nick Barber	
Total Phosphate	16/10/2013 18:00	08/11/20 13 06:00	Timeseries	Critical	No valid P data	Nick Barber	
TR Phosphate	16/10/2013 18:00	08/11/20 13 06:00	Timeseries	Critical	No valid P data	Nick Barber	
Nitrate-N	24/10/2013 13:00	24/10/20 13 13:00	Event	Critical	Erroneous spike	Nick Barber	
Nitrate-N	01/11/2013 13:00	01/11/20 13 13:00	Event	Critical	Erroneous spike	Nick Barber	
Nitrate-N	02/12/2013 13:30	02/12/20 13 13:30	Event	Critical	Erroneous spike	Nick Barber	
Total Phosphate	11/12/2013 11:30	11/12/20 13 11:30	Event	Critical	Erroneous spike	Nick Barber	
Nitrate-N	01/02/2014 10:00	01/02/20 14 11:30	Timeseries	Critical	Erroneous spikes	Nick Barber	
Nitrate-N	04/02/2014 11:00	04/02/20 14 11:00	Event	Critical	Erroneous spike	Nick Barber	
Nitrate-N	18/02/2014 14:00	18/02/20 14 14:00	Event	Critical	Erroneous spike	Nick Barber	
Total Phosphate	07/01/2014 14:00	07/01/20 14 15:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
TR Phosphate	07/01/2014 14:00	07/01/20 14 15:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
TR Phosphate	18/03/2014 11:30	18/03/20 14 12:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
Nitrate-N	18/03/2014 11:30	18/03/20 14 12:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
Total Phosphate	31/03/2014 12:00	31/03/20 14 12:00	Event	Critical	Erroneous spike	Nick Barber	
TR Phosphate	31/03/2014 12:00	31/03/20 14 12:00	Event	Critical	Erroneous spike	Nick Barber	
Nitrate-N	14/04/2014 13:00	14/04/20 14 13:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
Nitrate-N	29/04/2014 10:00	29/04/20 14 10:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
Total Phosphate	16/05/2014 13:30	20/05/20 14 11:00	Timeseries	Critical	Poor data	Nick Barber	
TR Phosphate	16/05/2014 13:30	20/05/20 14 11:00	Timeseries	Critical	Poor data	Nick Barber	
Nitrate-N	16/05/2014 13:30	20/05/20 14 11:00	Timeseries	Critical	Poor data	Nick Barber	
Total Phosphate	22/05/2014 11:30	22/05/20 14 18:00	Timeseries	Critical	Poor data	Nick Barber	
TR Phosphate	22/05/2014 11:30	22/05/20 14 18:00	Timeseries	Critical	Poor data	Nick Barber	
Total Phosphate	17/06/2014 13:30	17/06/20 14 15:00	Timeseries	Critical	Erroneous spikes	Nick Barber	

Nitrate-N	17/06/2014 13:30	17/06/20 14 14:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
TR Phosphate	17/06/2014 13:30	17/06/20 14 15:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
Total Phosphate	14/07/2014 13:30	14/07/20 14 14:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
TR Phosphate	14/07/2014 13:30	14/07/20 14 14:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
Total Phosphate	24/07/2014 14:00	24/07/20 14 15:30	Timeseries	Critical	Erroneous spikes	Nick Barber	
TR Phosphate	24/07/2014 14:00	24/07/20 14 15:30	Timeseries	Critical	Erroneous spikes	Nick Barber	
TR Phosphate	05/08/2014 13:00	05/08/20 14 13:30	Timeseries	Critical	Erroneous spike	Nick Barber	
Total Phosphate	05/08/2014 13:30	05/08/20 14 13:30	Event	Critical	Erroneous spike	Nick Barber	
Total Phosphate	17/08/2014 17:30	17/08/20 14 17:30	Event	Critical	Erroneous spike	Nick Barber	
Nitrate-N	17/08/2014 16:00	17/08/20 14 16:30	Timeseries	Critical	Erroneous spikes	Nick Barber	
Nitrate-N	21/08/2014 12:30	21/08/20 14 13:00	Timeseries	Critical	Erroneous spikes	Nick Barber	
Total Phosphate	04/09/2014 10:30	04/09/20 14 11:30	Timeseries	Critical	Erroneous spikes	Nick Barber	
TR Phosphate	04/09/2014 10:30	04/09/20 14 11:30	Timeseries	Critical	Erroneous spikes	Nick Barber	
TR Phosphate	12/09/2014 06:00	12/09/20 14 06:30	Event	Critical	Erroneous spike	Nick Barber	
Total Phosphate	24/09/2014 13:30	24/09/20 14 13:30	Event	Critical	Erroneous spike	Nick Barber	
All	24/09/2014 12:30	24/09/20 14 14:30	Timeseries	Critical	Cleaned probe tank, cleaned glassware	Nick Barber	
TR Phosphate	18/10/2014 02:00	18/10/20 14 02:00	Event	Critical	Erroneous spike	Nick Barber	
All	20/10/2014 06:30	03/11/20 14 15:00	Timeseries	Critical	No data - instrument malfunction	Nick Barber	
Total Phosphate	05/11/2014 13:30	05/11/20 14 13:30	Event	Critical	Erroneous spike	Nick Barber	
TR Phosphate	05/11/2014 13:30	05/11/20 14 13:30	Event	Critical	Erroneous spike	Nick Barber	
All	07/12/2014 10:30	09/12/20 14 13:30	Timeseries	Critical	No data - instrument malfunction	Nick Barber	
Total Phosphate	11/12/2014 11:30	11/12/20 14 13:00	Timeseries	Critical	Poor data	Nick Barber	
TR Phosphate	11/12/2014 11:30	11/12/20 14 13:00	Timeseries	Critical	Poor data	Nick Barber	
Total Phosphate	18/12/2014 03:30	18/12/20 14 04:30	Timeseries	Critical	Erroneous spikes	Nick Barber	
TR Phosphate	18/12/2014 03:30	18/12/20 14 04:30	Timeseries	Critical	Erroneous spikes	Nick Barber	
Total Phosphate	09/01/2015 21:30	09/01/20 15 21:30	Event	Critical	Erroneous spike	Nick Barber	

TR Phosphate	09/01/2015 21:30	09/01/20 15 21:30	Event	Critical	Erroneous spike	Nick Barber	
Total Phosphate	11/01/2015 22:30	21/01/20 15 11:00	Timeseries	Critical	Poor data	Nick Barber	
TR Phosphate	11/01/2015 22:30	21/01/20 15 11:00	Timeseries	Critical	Poor data	Nick Barber	
Total Phosphate	03/02/2015 13:30	16/02/20 15 09:30	Timeseries	Critical	Poor data	Nick Barber	
TR Phosphate	03/02/2015 13:30	16/02/20 15 09:30	Timeseries	Critical	Poor data	Nick Barber	
Total Phosphate	07/12/2014 10:30	11/12/20 14 15:30	Timeseries	Critical	Phosphax issue	Nick Barber	
TR Phosphate	07/12/2014 10:30	11/12/20 14 15:30	Timeseries	Critical	Phosphax issue	Nick Barber	
Total Phosphate	11/01/2015 21:30	28/01/20 15 00:00	Timeseries	Critical	Phosphax issue	Nick Barber	
TR Phosphate	11/01/2015 21:30	28/01/20 15 00:00	Timeseries	Critical	Phosphax issue	Nick Barber	
Total Phosphate	28/01/2015 16:30	28/01/20 15 16:30	Event	Critical	Erroneous spike	Nick Barber	
TR Phosphate	28/01/2015 16:30	28/01/20 15 16:30	Event	Critical	Erroneous spike	Nick Barber	
Total Phosphate	03/02/2015 12:30	05/05/20 15 14:00	Timeseries	Critical	Phosphax issue - tank filling issue	Nick Barber	
TR Phosphate	03/02/2015 12:30	05/05/20 15 14:00	Timeseries	Critical	Phosphax issue - tank filling issue	Nick Barber	
Nitrate-N	26/01/2015 15:00	05/05/20 15 14:00	Timeseries	Moderate	Spikey data - tank filling issue	Nick Barber	
All	26/01/2015 15:00	05/05/20 15 14:00	Timeseries	Moderate	Poor data - tank filling issue	Nick Barber	
All	31/05/2015 13:30	16/06/20 15 15:30	Timeseries	Critical	No data - Hach Lange down	Nick Barber	
Total Phosphate	16/06/2015 14:30	18/06/20 15 18:00	Timeseries	Critical	Poor data - Phosphax issue	Nick Barber	
TR Phosphate	16/06/2015 14:30	18/06/20 15 18:00	Timeseries	Critical	Poor data - Phosphax issue	Nick Barber	
Total Phosphate	30/06/2015 16:30	01/07/20 15 13:00	Timeseries	Critical	No data - Phosphax down	Nick Barber	
TR Phosphate	30/06/2015 16:30	01/07/20 15 13:00	Timeseries	Critical	No data - Phosphax down	Nick Barber	
Nitrate-N	23/07/2015 12:30	23/07/20 15 12:30	Event	Critical	Erroneous spike	Nick Barber	
Nitrate-N	12/08/2015 09:30	12/08/20 15 09:30	Event	Critical	Erroneous spike	Nick Barber	
All	23/08/2015 18:00	15/09/20 15 15:30	Timeseries	Critical	No data - telemetry system down	Nick Barber	
Nitrate-N	28/09/2015 12:00	28/09/20 15 12:00	Event	Critical	Erroneous spike	Nick Barber	
All	19/11/2015 08:30	10/12/20 15 09:00	Timeseries	Critical	No data - Power off	Nick Barber	