



**Real-Time Water Quality Monitoring Network
Calibration and Maintenance Schedule**

NF02YL0012 – Humber River At Humber Village Bridge

The water quality probe is periodically removed to undergo necessary maintenance and calibration. Some of these removals are necessary to perform scheduled maintenance while others may be done in response to sudden fouling of the sensors or loss of calibration.

The maintenance/calibration process involves removing the water quality probe from the water body for cleaning, replacement of sensors and fluids, calibration and testing in a temperature-controlled laboratory. This usually takes place over a period of two days but may take longer for specific sites or to address unique problems.

Item Number	Date and time instrument was removed (mm/dd/yy)		Date and time instrument was reinstalled (mm/dd/yy)		Reason	Remarks
1			12/11/03	10:30		Initial Installation
2	01/13/04	11:15	02/04/04	14:15	Maintenance/Calibration	Sent for repair
3	03/10/04	10:50	03/11/04	15:50	Maintenance/Calibration	
4	05/18/04	14:40	05/19/04	14:50	Maintenance/Calibration	
5	06/23/04	11:00	06/24/05	14:25	Maintenance/Calibration	
6	07/26/04	10:50	07/27/04	10:30	Maintenance/Calibration	
7	08/26/04	14:10	08/27/04	11:35	Maintenance/Calibration	
8	09/27/04	10:40	09/28/04	10:30	Maintenance/Calibration	
9	11/09/04	09:55	11/10/04	11:10	Maintenance/Calibration	
10	12/15/04	10:00	12/16/04	10:45	Maintenance/Calibration	
11	01/13/05	14:45	01/14/05	10:45	Maintenance/Calibration	
12	03/10/05	12:25	03/11/05	10:40	Maintenance/Calibration	
13	05/05/05	10:55	05/06/05	10:40	Maintenance/Calibration	
14	07/14/05	14:30	07/15/05	11:25	Maintenance/Calibration	
15	08/29/05	11:35	08/31/05	09:50	Maintenance/Calibration	
16	11/01/05	09:55	11/02/05	10:35	Maintenance/Calibration	
17	01/06/06	10:00			Servicing/Warranty	Sent to Edmonton for servicing
18			02/17/06	10:30		Reinstalled after return from Edmonton
19	03/16/06	10:00	03/17/06	10:30	Maintenance/Calibration	
20	04/20/06	10:00	04/21/06	10:30	Maintenance/Calibration	
21	06/08/06	09:40	06/09/06	11:15	Maintenance/Calibration	
22	07/13/06	14:00	07/14/06	11:10	Maintenance/Calibration	
23	08/14/06	14:00	08/15/06	10:00	Maintenance/Calibration	

24	09/14/06	14:15	09/15/06	11:15	Maintenance/Calibration	
25	11/06/06	14:00	11/07/06	15:00	Maintenance/Calibration	
26	12/13/06	10:10	14/14/06	11:10	Maintenance/Calibration	
27	01/16/07	15:15	01/19/07	14:15	Maintenance/Calibration	
28	03/15/07	13:44	03/16/07	9:39	Maintenance/Calibration	
29	04/17/07	14:35	04/19/07	9:25	Maintenance/Calibration	
30	05/16/07	14:55	05/17/07	14:30	Maintenance/Calibration	
31	07/12/07	13:15	07/13/07	13:40	Maintenance/Calibration	
32	09/13/07	14:30	09/14/07	10:30	Maintenance/Calibration	
33	12/05/07	10:15	12/05/07	12:30	Maintenance/Calibration	
34	03/26/08	09:37	03/27/08	09:34	Maintenance/Calibration	
35	04/28/08	15:05	04/29/08	13:52	Maintenance/Calibration	
36	08/07/08	15:05	08/11/08	16:30	Maintenance/Calibration	
37	10/15/08	13:45	10/18/08	14:45	Maintenance/Calibration	
38	01/14/09	11:50	01/14/09	11:55	Maintenance/Calibration	
39	04/27/09	15:45	04/30/09	11:15	Maintenance/Calibration	Extended deployment period
40	06/30/09	10:20	06/30/09	14:00	Maintenance/Calibration	
41	07/31/09	10:20	07/31/09	14:00	Maintenance/Calibration	
42	11/05/09	14:45	11/09/09	14:55	Maintenance/Calibration	Extended deployment period
43	01/06/10	11:55	01/07/10	13:45	Maintenance/Calibration	
44	03/23/10		03/25/10	10:30	Maintenance/Calibration	
45	06/16/10	11:45	06/17/10	10:00	Maintenance/Calibration	
46	07/21/10	10:30	07/21/10	14:30	Maintenance/Calibration	Extended deployment period
47	09/24/10	11:30	09/27/10	10:15	Maintenance/Calibration	Extended deployment period
48	12/15/10	12:05	12/16/10	13:00	Maintenance/Calibration	Extended deployment period
49	02/22/11	10:33	02/24/11	11:15	Maintenance/Calibration	Extended deployment period
50	06/24/11	11:30	06/30/11	14:15	Maintenance/Calibration	Extended deployment period
51	08/11/11	12:20	08/12/11	11:15	Maintenance/Calibration	Extended deployment period
52	11/01/11	13:30	11/25/11	11:10	Maintenance/Calibration	Extended deployment period
53	02/14/12	14:00	02/15/12	11:45	Maintenance/Calibration	Extended deployment period
54	05/03/12	11:15	05/04/12	11:15	Maintenance/Calibration	
55	06/07/12	13:00	06/08/12	10:45	Maintenance/Calibration	
56	07/10/12	15:45	07/10/12	16:00	Maintenance/Calibration	
57	08/03/12	12:15	08/03/12	13:15	Maintenance/Calibration	
58	09/07/12	13:00	09/07/12	13:30	Maintenance/Calibration	
59	10/09/12	15:00	10/09/12	15:30	Maintenance/Calibration	
60	11/13/12	12:10	11/13/12	12:45	Maintenance/Calibration	

61	11/22/12	13:55	11/22/12	14:20	Maintenance/Calibration	Change in sensors due to technical issues
62	11/28/12	11:30	11/28/12	12:15	Maintenance/Calibration	
63	01/31/13	11:55	02/04/13	12:15	Maintenance/Calibration	
64	05/10/13	15:15	05/10/13	15:30	Maintenance/Calibration	
65	06/11/13	12:20	06/11/13	12:50	Maintenance/Calibration	
66	08/20/13	14:40	08/22/13	13:30	Maintenance/Calibration	
67	11/05/13	10:30	11/06/13	11:00	Maintenance/Calibration	
68	01/16/14	10:55	01/17/14	11:15	Maintenance/Calibration	
69	04/23/14	15:55	04/25/14	14:30		
70	07/03/14	10:00	10/24/14	15:45	Maintenance/Calibration	Repairs
71	12/10/14	14:00	12/12/14	11:00	Maintenance/Calibration	
72	03/30/15	12:00	03/31/15	14:30	Maintenance/Calibration	
73	06/08/15	15:40	06/09/15	15:30	Maintenance/Calibration	
74	09/22/15	12:40	09/23/15	12:00	Maintenance/Calibration	
75	12/09/15	11:30	12/10/15	11:30	Maintenance/Calibration	
76	04/13/16	11:15	04/14/16	10:45	Maintenance/Calibration	
77	06/20/16	14:40	06/21/16	15:00	Maintenance/Calibration	
78	08/11/16	16:00	08/12/16	13:45	Maintenance/Calibration	
79	09/23/16	15:00	04/20/17	15:30	Cable length extended	No instrument deployed from Sept 2016 to April 2017; cable length for new EXO2 sonde was inadequate; redeployed in spring 2017
80	06/13/17	13:15	06/14/17	11:15	Maintenance/Calibration	
81	07/27/17	12:30	07/28/17	09:46	Maintenance/Calibration	
82	09/11/17	13:45	09/12/17	13:30	Maintenance/Calibration	
83	01/25/18	11:20	01/26/18	11:30	Maintenance/Calibration	
84	11/21/18	12:30	05/26/20	15:45	Removed for repairs	Removed for repairs
85	09/02/20	13:34	09/02/20	16:29	Maintenance/Calibration	Exo2 removed & redeployed
86	10/21/20	12:27	10/21/20	15:15	Maintenance/Calibration	Exo2 removed & redeployed
87	12/17/20	16:10	12/23/20	14:55	Maintenance/Calibration	Exo2 removed & redeployed
88	01/26/21	15:45	01/27/21	11:45	Maintenance/Calibration	Exo2 removed & redeployed
89						
90						