

Espanola WTP

SUPPLY SYSTEM

ANNUAL SUMMARY REPORT

2014



**Ontario Clean Water Agency
Agence Ontarienne Des Eaux**

SECTION 1: INTRODUCTION

This report is a summary of water quality information for the Espanola Water Treatment Facility, published in accordance with Schedule 22 of Ontario's Drinking-Water Systems Regulation for the reporting period of January 1, 2014 to December 31, 2014. The Espanola Water Treatment Facility is categorized as a Large Municipal Residential Drinking Water System.

This report is prepared by The Ontario Clean Water Agency on behalf of The Corporation of the Town of Espanola. A copy of the Summary Report must be provided to the members of the municipal council by March 31, 2015.

SECTION 2: WHAT DOES THE REPORT CONTAIN

The report must list the requirements of the Act, the regulations, the system's approval and any order that the system **failed to meet** at any time during the period covered by the report. The report must also specify the duration of the failure, and for each failure referred to, describe the measures that were taken to correct the failure.

For the purpose of enabling the owner of the system to assess the rated capability of their system to meet existing and future planned water uses, the following information is required to be included in this report:

- A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows.
- A comparison of the summary to the rated capacity and flow rates approved in the systems approval.

SECTION 3. DAILY FLOW RATES

In accordance with the Municipal Drinking Water License # 210-101, the Espanola water system shall not be operated to exceed a maximum rate of flow of 10,500.0 m³/d into the distribution system. The maximum daily treated flow into the distribution system in 2014 was 5,733 m³ in July.

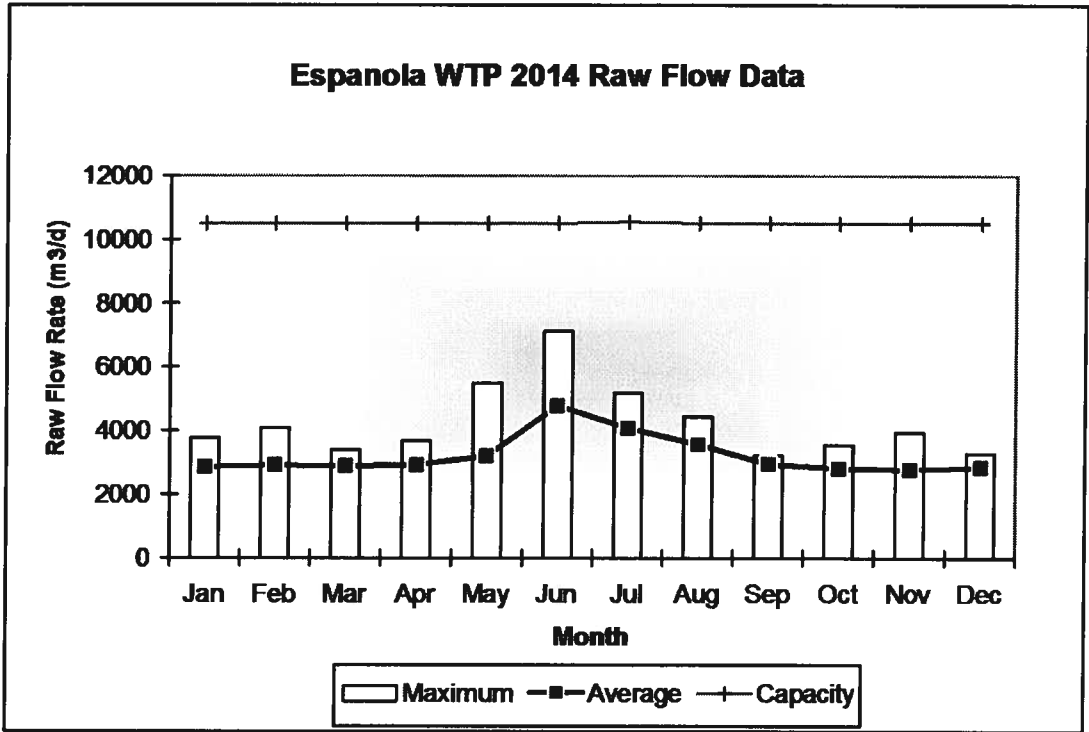
In accordance with the PTTW, the allowable rate of water taking is 121.53 L/s with a maximum daily volume of 10 500.0 m³/d. The monthly average raw water flow for this reporting period was 3198.7 m³/d and the maximum daily flow for 2014 was 7,111 m³/d.

Flow totals and comparison of flow rates to the rated capacity are included in the table and graph below.

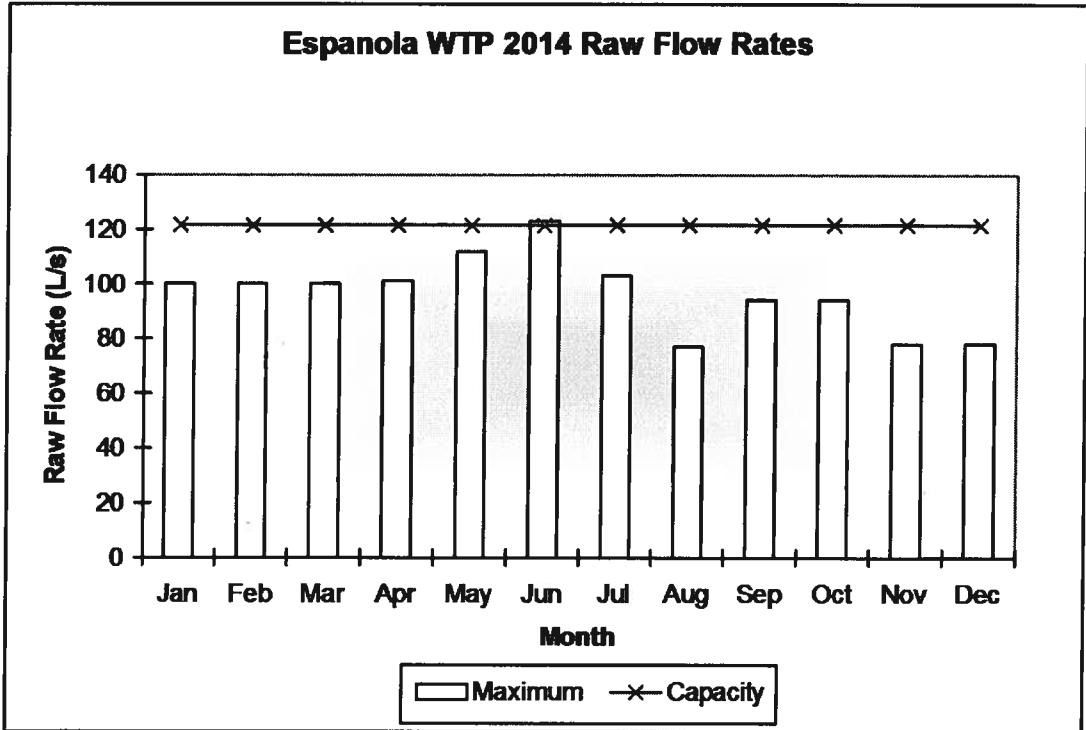
The quantity of water supplied during the reporting period **did** exceed the rated maximum capacity on 1 occasion; June 22, 2014. This was due to a leak in the system.

2014	RAW WATER FLOW DATA						
	Month	Total Monthly Raw Flow (m ³)	Average Raw Flow (m ³ /d)	Maximum Raw Flow (m ³ /d)	Maximum Raw Flow Rate (L/s)	Maximum Rated Capacity	
						L/s (PTTW)	m ³ /d (PTTW & MDWL)
January	88,767	2,863	3,776	100.4	121.53	10,500.0	
February	81,424	2,908	4,086	100.2	121.53	10,500.0	
March	89,308	2,880	3,382	100.2	121.53	10,500.0	
April	87,762	2,925	3,678	100.6	121.53	10,500.0	
May	99,140	3,198	5,498	112.8	121.53	10,500.0	
June	124,410	4,785	7,111	122.5	121.53	10,500.0	
July	126,498	4,080	5,171	103.7	121.53	10,500.0	
August	110,582	3,567	4,443	76.7	121.53	10,500.0	
September	88,259	2,941	3,218	94.3	121.53	10,500.0	
October	87,302	2,816	3,554	93.9	121.53	10,500.0	
November	83,293	2,776	3,942	77.8	121.53	10,500.0	
December	87,995	2,838	3,289	78.4	121.53	10,500.0	
Total	1,154,739						
Average		3198.7					
Maximum			7,111	122.5			

Comparison of Monthly Average and Maximum Rates of Flow



COMPARISON OF DAILY MAX RAW WATER FLOW RATES VS PTTW LIMITS



Attached as *Appendix A* is the Annual Record of Water Taking.

SECTION 4: SYSTEM FAILURES AND CORRECTIONS

There were 2 Ministry of the Environment Drinking Water Inspections conducted in 2014; Feb 26 and July 30. Below is a description of the non-compliances found in each report:

Inspection Non-Compliances

Feb 26, 2014 - 97.25% rating

1. There were multiple occasions where the Overall Responsible Operator (ORO) was not clearly and appropriately identified through notation in the logbook or other documentation methods.

This issue has been addressed and the ORO is now identified daily in the logbook.

2. The logbook (or other record-keeping mechanisms) does not identify the operator that is designated as the Operator-in-charge (OIC), which is important as a number of operators-in-training (OITs) were performing operational duties at the Espanola Water Treatment Plant throughout the inspection period. Subsection 25(5) of O. Reg. 128/04 does not allow for an OIT to be designated as the OIC and it is unclear which operator was designated as the OIC when any of the OITs were on site alone.

Operators have been trained on how to properly enter information in the logbook.

July 30, 2014 – 91.54%

1. Sampling for chlorine residual is required within the distribution system daily OR four times at four different locations on one day and, 48 hours later, three times at three different locations. The analyzer does not appear to function properly when the hot water tap is turned on and has experienced mechanical problems (probe replacement was required). Operators did not perform adequate chlorine residual monitoring during the following weeks:

Week of March 9, 2014

Week of March 16, 2014

Week of March 23, 2014

Week of April 6, 2014

Operators have been made aware of the requirement to take chlorine residual samples should the distribution analyzer fail.

2. Operators indicate chlorine and turbidity analyzers are calibrated at least monthly to ensure margins of error as follows: Chlorine +/- 0.05mg/l and Turbidity +/- 0.01NTU.
Turbidity analyzers - No indication of calibrations during April, May or June
Fluoride analyzer - No indication of calibrations in April or June

Calibrations are being done quarterly with verifications done monthly. There have been no missed calibrations since the inspection.

3. The minimum requirement for the Espanola drinking water system is daily sampling for fluoride. It would appear that the fluoride analyzer malfunctioned on June 27th, 2014, yet the fluoride system continued to inject fluoride into drinking water. Daily samples were not completed on June 28, and 29, 2014. It is difficult to establish when the fluoride system was turned off.

Operators have been made aware of the logbook requirements when equipment is out of service. At this time, fluoride is being injected on weekdays only and residuals recorded as the analyzer is not recording information properly.

4. OCWA operators typically ensure accuracy of data used in summaries. In some cases, for instance those times when equipment is being calibrated, it becomes necessary to alter data to a value that is accurate. Any alterations to data are logged within a "Comments Log". While examining filter efficiency data, some dates were identified as exhibiting high filtrate turbidity. The "Daily Process Data Report" appears to have been altered to levels below 1.0NTU, yet no entries were made within the "Comments log". Further, entries in the log book described operational procedures and included the review of trends but did not indicate any changes to data.

Upon review of the data, it was found that data had not been altered. Data tables graphs were provide to the MOE showing the values had not been altered.

Adverses

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
31-Oct-14	Coagulation	improper dosing	N/A	Restore dosing and clear water from clarifier and filters.	01-Nov-14
17-Jul-14	Total Coliform	5	CFU/10 0ml	Resampled location along with upstram and downstream locations.	21-Jul-14

SECTION 5: CONCLUSION

The Espanola WTP delivers water that, in all its treated and distribution samples, indicates the water to be free of bacteriological contamination. There was 1 instance where a total coliform was recorded in a distribution sample. A resample confirmed there was no contamination within the system.

The Espanola WTP, for the 2014 operating year, was able to meet the demand of water use within the town without exceeding the Permit to Take Water except for June 22, 2014 which exceeded the L/S in the PTTW. A leak within the system caused higher than normal instantaneous flows.

Attached as Appendix B, find the 2014 Annual Report as required by Drinking-Water System Regulation O. Reg. 170/03.

APPENDIX A

Annual Record of Water Taking

Report extracted 02/23/2015 12:22

Facility Org Number:
 Facility Works Number:
 Facility Name:
 Facility Owner:
 Facility Classification:
 Receiver:
 Service Population:
 Total Design Capacity:

5755
 210000746
 ESPANOLA DRINKING WATER SYSTEM
 Municipality: The Corporation of the Town of Espanola
 Class 4 Water Treatment
 10590.0 m3/day

Ontario Clean Water Agency
 Time Series Info Report
 From: 01/01/2014 to 31/12/2014

	01/2014	02/2014	03/2014	04/2014	05/2014	06/2014	07/2014	08/2014	09/2014	10/2014	11/2014	12/2014	Total	Avg	Max	Min
Raw Water / Flow - m3/d																
Min OL	3776.000	4086.000	3382.000	3678.000	5488.000	7111.000	5171.000	4443.660	3216.625	3554.000	3942.000	3289.000				
Mean OL	2663.452	2908.000	2860.903	2925.400	3198.065	4765.000	4080.592	3567.145	2841.876	2616.184	2776.433	2839.548		3188.725		
Min OL	2305.000	2457.000	2387.000	2342.000	2304.000	3351.000	2670.281	2627.863	2417.000	2286.000	0.000	0.000				0.000
Total OL	89767.000	81424.000	86308.000	87782.000	99140.000	124410.000	128482.043	110581.463	86592.271	87302.000	83283.000	87895.000	1154739.797			
Raw Water / Flow Rate - l/s																
Max OL	100.420	100.240	100.210	100.820	112.800	122.450	103.680	76.660	94.310	83.930	77.820	78.360		122.450		
Treated Water / Flow - m3/d																
Min OL	2848.000	2765.000	2923.000	3386.000	3828.000	5733.000	4520.303	4074.243	2981.563	2942.000	2684.000	2704.000				
Mean OL	2516.813	2623.484	2543.855	2591.633	2702.129	4182.500	3624.063	3204.063	2528.655	2400.774	2294.833	2331.742		2770.268		
Min OL	2105.000	2317.000	2230.000	2165.000	2154.000	3062.000	2813.839	2410.347	2279.292	2070.000	2.000	0.000				0.000
Total OL	78915.000	70857.000	78862.000	77465.000	83786.000	108225.000	112345.987	86326.858	75659.646	74424.000	68846.000	72294.000	1000087.271			

APPENDIX B

**Annual Report:
2014 Operating Year**

Section 1 Drinking-Water System Number: 210000746
 Drinking-Water System Name: *ESPANOLA DRINKING WATER SYSTEM*
 Drinking-Water System Owner: *Title Holder: Municipality*
 Drinking-Water System Category: *Large Municipal Residential*
 Period being reported: *01/2014* *12/2014*

Section 2

Population Served	
Does your Drinking-Water System serve more than 10,000 people?	<i>No</i>
Is your annual report available to the public at no charge on a web site on the Internet?	<i>Yes</i>
Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.	<i>Town of Espanola, Municipal Office 100 Tudhope Street, Suite 2 Espanola, Ontario P5E 1S6</i>
Number of Designated Facilities served:	<i>0</i>
Did you provide a copy of your annual report to all Designated Facilities you serve?	<i>NA</i>
Number of Interested Authorities you report to:	<i>0</i>
Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?	<i>NA</i>
List all Drinking-Water Systems (if any), and their DWS Number which receive all of their drinking water from your system:	<i>N/A</i>
Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water?	<i>NA</i>
Indicate how you notified system users that your annual report is available, and is free of charge.	<i>Public access/notice via a Public Library</i>
Indicate if you notified system users that your annual report is available and is free of charge using an alternate method	<i>YES</i>

Section 3 Facility Description
*A water treatment plant completed in December 1996, located on part of Lot 9, Conc. 3, Merritt Township, rated at 10,500 m3/day with an intake from Lake Apsey and pumping station with low lift pumps, two solids contact clarifiers, three dual media filters, 1424 m3 clear well, three high lift pumps, two backwash pumps, backwash water holding tank (500 m3) with pumps discharging to the sanitary sewer system. The chemical treatment systems consists of coagulant feed system, sodium hypochlorite (disinfection), caustic soda (pH & Alkalinity control), polymer(coagulant aid), fluoride feed system, corrosion inhibitor feed system.
 Upgrades in 2009 added a Carbon Dioxide feed system (pH control) and Potassium Permanganate (oxidizing agent for iron & manganese control).
 There is a 275KW diesel generator on site for emergency power.
 Also included in the distribution system is an elevated tower with a maximum volume of 3410 m3.*

Section 4

Water Treatment Chemicals

- Poly Aluminum Chloride (PAC)
- Magnafloc LT 27 AG (Polymer)
- Sodium Hypochlorite 12% (Disinfection)
- Hydrofluorosilicic Acid (25% HFS)
- Soda Ash
- Poly Ortho Phosphate
- Carbon Dioxide
- Potassium Permanganate
- Sodium Hydroxide

Section 5

Significant Expenses

Were any significant expenses incurred to?

- Install required equipment
- Repair required equipment
- Replace required equipment

Please provide a brief description and a breakdown of monetary expenses incurred

METCON SALES - CONCORD	CHLORINE TUBES FOR WAT. MAR. PUMPS	\$1,247.52
XYLEM CANADA - TORONTO	REBUILD SUBM. PUMP	\$1,358.93
METAL-AIR MECHANICAL SYSTEMS LIMITED	DEHUMIDIFIER START-UP & REPLACED PARTS	\$1,708.21
SPEC & SONS PLUMBING & HEATING LTD	REPL. STAINLESS STEEL LINE	\$65,745.43
SYNERGY CONTROLS CORPORATION	NEW CHLORINE SENSOR PROBE	\$2,858.90
DOUBLE T PIPE INSPECTION	VACTORFLUSHER TRUCK TO REMOVE MEDIA FROM FILTER #1	\$1,583.30
ANTHRAFILTER MEDIA & COAL LTD	FILTER SAND & MEDIA	\$9,773.99
SPEC & SONS PLUMBING & HEATING LTD	REMOVE & RE-INSTALL FILTER#1 UNDER DRAIN SYSTEM	\$16,046.00
QMI-SAI CANADA LIMITED	DWGMS AUDIT	\$1,269.78
CHARC CONSTRUCTION	REM.&REPL. DAMAGED DRYWALL & INSULATION IN LOW LIFT BUILDING	\$7,706.60
METCON SALES - CONCORD	TS&REP.POT. PERM., SODA ASH & FLUORIDE SYSTEMS	\$3,022.93
CONTINUOUS AIR SYSTEMS	REPLACE AIR COMPRESSOR & REBUILD AIR DRYER	\$5,674.57
XYLEM CANADA - TORONTO	REP. TO SUBMERSIBLE SLUDGE PUMP	\$7,505.77
CHARC CONSTRUCTION	REPAIRS TO CEILING TILES & SEAL EXT. @ APSEY LAKE PUMPHOUSE DAMAGED BY PIPE FITTING FAILU	\$1,921.00
METCON SALES - CONCORD	REPLACE PROBES ON FLUORIDE ANALYZER	\$1,619.74

AWQI's

Section 6

Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
31-Oct-14	Coagulation	Improper dosing	N/A	Restore dosing and clear water from clarifier and filters.	01-Nov-14
17-Jul-14	Total Coliform	5 CFU/100ml		Resampled location along with upstream and downstream locations.	21-Jul-14
18-Apr-14	pressure	0 PSI		repairs made to watermain, system was flushed and took 2 sets of bacteriological results 24 hours apart.	22-Apr-14

Drinking-Water System Number: 210000746
 Drinking-Water System Name: ESPANOLA DRINKING WATER SYSTEM
 Drinking-Water System Owner: Title Holder, Municipality
 Drinking-Water System Category: Large Municipal Residential
 Period being reported: 01/2014 12/2014

Table 1

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.

	No. of Samples Collected for period being reported	Range of E.Coli Or Fecal Results		Range of Total Coliform Results		Number of HPC Samples	Range of HPC Results	
		Minimum #	Maximum #	Minimum #	Maximum #		Minimum #	Maximum #
Raw Water	57	0	14	0	1360			
Treated Water	57	0	0	0	0	57	0	3
Distribution Water	198	0	0	0	0	49	0	3

Drinking-Water System Number:
 Drinking-Water System Name:
 Drinking-Water System Owner:
 Drinking-Water System Category:
 Period being reported:

210000746
 ESPANOLA DRINKING WATER SYSTEM
 Title Holder: Municipality
 Large Municipal Residential
 01/2014 12/2014

Table 2

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.

	No. of Samples Collected for period being reported	Range of Results	
		Minimum	Maximum
Turbidity, On-Line (NTU) - Filt1	8760	0	1.0
Turbidity, On-Line (NTU) - Filt2	8760	0	1.0
Turbidity, On-Line (NTU) - Filt3	8760	0	1.0
Free Chlorine Residual, On-Line (mg/L) - DW	8760	0.18	4.7
Free Chlorine Residual, In-House (mg/L) - DW	77	0.82	2.03
Free Chlorine Residual, On-Line (mg/L) - TW	8760	0.2	3.67
Fluoride Residual On-line - TW	8760	0	1.99

Drinking-Water System Number: 210000746
 Drinking-Water System Name: *ESPANOLA DRINKING WATER SYSTEM*
 Drinking-Water System Owner: *Title Holder: Municipality*
 Drinking-Water System Category: *Large Municipal Residential*
 Period being reported: 01/2014 12/2014

Table 3

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
N/A	N/A	N/A	N/A	N/A

Drinking-Water System Number: 210000746
 Drinking-Water System Name: ESPANOLA DRINKING WATER SYSTEM
 Drinking-Water System Owner: Title Holder: Municipality
 Drinking-Water System Category: Large Municipal Residential
 Period being reported: 01/2014 12/2014

Table 4

Summary of Inorganic parameters tested during this reporting period or the most recent sample results

TREATED WATER	Sample Date (mm/dd/yyyy)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Antimony: Sb (ug/L) - TW	1/21/2014	< 0.02	6.0	No	No
Arsenic: As (ug/L) - TW	1/21/2014	0.3	25.0	No	No
Barium: Ba (ug/L) - TW	1/21/2014	5.27	1000.0	No	No
Boron: B (ug/L) - TW	1/21/2014	4.4	5000.0	No	No
Cadmium: Cd (ug/L) - TW	1/21/2014	< 0.003	5.0	No	No
Chromium: Cr (ug/L) - TW	1/21/2014	0.6	50.0	No	No
Mercury: Hg (ug/L) - TW	1/21/2014	< 0.01	1.0	No	No
Selenium: Se (ug/L) - TW	1/21/2014	< 1.0	10.0	No	No
Uranium: U (ug/L) - TW	1/21/2014	0.031	20.0	No	No
Additional Inorganics					
Fluoride (mg/L) - TW					
Nitrite (mg/L) - TW	1/21/2014	< 0.003	1.0	No	No
Nitrite (mg/L) - TW	4/08/2014	< 0.003	1.0	No	No
Nitrite (mg/L) - TW	7/28/2014	< 0.003	1.0	No	No
Nitrite (mg/L) - TW	10/14/2014	< 0.003	1.0	No	No
Nitrate (mg/L) - TW	1/21/2014	0.092	10.0	No	No
Nitrate (mg/L) - TW	4/08/2014	0.124	10.0	No	No
Nitrate (mg/L) - TW	7/28/2014	0.132	10.0	No	No
Nitrate (mg/L) - TW	10/14/2014	0.1	10.0	No	No
Sodium: Na (mg/L) - TW	1/09/2012	16700	20*	Yes	Yes

*There is no "MAC" for Sodium. The aesthetic objective for sodium in drinking water is 200 mg/L. The local Medical Officer of Health should be notified mg/L

when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium restricted diets.

Drinking-Water System Number: 210000746
 Drinking-Water System Name: ESPANOLA DRINKING WATER SYSTEM
 Drinking-Water System Owner: Title Holder: Municipality
 Drinking-Water System Category: Large Municipal Residential
 Period being reported: 01/2014 12/2014

Table 5: Summary of Lead testing under Schedule 15.1 during this reporting period

Location Type	Number of Samples	Range of Results		MAC (ug/L)	Number of Exceedances
		Minimum	Maximum		
Distribution Water - Lead Results (ug/L)	3	0.31	1.38	10	0
Distribution Water - Alkalinity (mg/L)	6	39	46	n/a	n/a
Distribution Water - pH In-House	6	7.24	7.7	n/a	n/a

Drinking-Water System Number: 210000746
 Drinking-Water System Name: ESPANOLA DRINKING WATER SYSTEM
 Drinking-Water System Owner: Title Holder: Municipality
 Drinking-Water System Category: Large Municipal Residential
 Period being reported: 01/2014 12/2014

Table 6

Summary of Organic parameters sampled during this reporting period or the most recent sample results

	Sample Date (mm/dd/yyyy)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
TREATED WATER					
Alachlor (ug/L) - TW	1/21/2014	< 0.02	5.00	No	No
Aldicarb (ug/L) - TW	1/21/2014	< 0.01	9.00	No	No
Aldrin+Dieldrin (ug/L) - TW	1/21/2014	< 0.01	0.70	No	No
Atrazine + N-dealkylated metabolites (ug/L) - TW	1/21/2014	< 0.01	5.00	No	No
Azinphos-methyl (ug/L) - TW	1/21/2014	< 0.02	20.00	No	No
Bendiocarb (ug/L) - TW	1/21/2014	< 0.01	40.00	No	No
Benzene (ug/L) - TW	1/21/2014	< 0.32	5.00	No	No
Benzo(a)pyrene (ug/L) - TW	1/21/2014	< 0.004	0.01	No	No
Bromoxynil (ug/L) - TW	1/21/2014	< 0.33	5.00	No	No
Carbaryl (ug/L) - TW	1/21/2014	< 0.01	90.00	No	No
Carbofuran (ug/L) - TW	1/21/2014	< 0.01	90.00	No	No
Carbon Tetrachloride (ug/L) - TW	1/21/2014	< 0.16	5.00	No	No
Chlordane: Total (ug/L) - TW	1/21/2014	< 0.01	7.00	No	No
Chlorpyrifos (ug/L) - TW	1/21/2014	< 0.02	90.00	No	No
Cyanazine (ug/L) - TW	1/21/2014	< 0.03	10.00	No	No
Diazinon (ug/L) - TW	1/21/2014	< 0.02	20.00	No	No
Dicamba (ug/L) - TW	1/21/2014	< 0.2	120.00	No	No
1,2-Dichlorobenzene (ug/L) - TW	1/21/2014	< 0.41	200.00	No	No
1,4-Dichlorobenzene (ug/L) - TW	1/21/2014	< 0.36	5.00	No	No
DDT + metabolites (ug/L) - TW	1/21/2014	< 0.01	30.00	No	No
1,2-Dichloroethane (ug/L) - TW	1/21/2014	< 0.35	5.00	No	No
1,1-Dichloroethylene (ug/L) - TW	1/21/2014	< 0.33	14.00	No	No
Dichloromethane (Methylene Chloride) (ug/L) - TW	1/21/2014	< 0.35	50.00	No	No
2,4-Dichlorophenol (ug/L) - TW	1/21/2014	< 0.15	900.00	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW	1/21/2014	< 0.19	100.00	No	No
Diclofop-methyl (ug/L) - TW	1/21/2014	< 0.4	9.00	No	No
Dimethoate (ug/L) - TW	1/21/2014	< 0.03	20.00	No	No
Dinoseb (ug/L) - TW	1/21/2014	< 0.36	10.00	No	No
Diquat (ug/L) - TW	1/21/2014	< 1.0	70.00	No	No
Diuron (ug/L) - TW	1/21/2014	< 0.03	150.00	No	No
Glyphosate (ug/L) - TW	1/21/2014	< 1.0	280.00	No	No
Heptachlor+hepachlor epoxide (ug/L) - TW	1/21/2014	< 0.01	3.00	No	No
Lindane (ug/L) - TW	1/21/2014	< 0.01	4.00	No	No
Malathion (ug/L) - TW	1/21/2014	< 0.02	190.00	No	No
Methoxychlor (ug/L) - TW	1/21/2014	< 0.01	900.00	No	No
Metolachlor (ug/L) - TW	1/21/2014	< 0.01	50.00	No	No
Metribuzin (ug/L) - TW	1/21/2014	< 0.02	80.00	No	No
Monochlorobenzene (Chlorobenzene) (ug/L) - TW	1/21/2014	< 0.3	80.00	No	No
Paraquat (ug/L) - TW	1/21/2014	< 1.0	10.00	No	No
Parathion (ug/L) - TW	1/21/2014	< 0.02	50.00	No	No
PCB (ug/L) - TW	1/21/2014	< 0.04	3.00	No	No
Pentachlorophenol (ug/L) - TW	1/21/2014	< 0.15	60.00	No	No
Phorate (ug/L) - TW	1/21/2014	< 0.01	2.00	No	No
Picloram (ug/L) - TW	1/21/2014	< 1.0	190.00	No	No
Prometryne (ug/L) - TW	1/21/2014	< 0.03	1.00	No	No
Simazine (ug/L) - TW	1/21/2014	< 0.01	10.00	No	No
Temephos (ug/L) - TW	1/21/2014	< 0.01	280.00	No	No
Terbufos (ug/L) - TW	1/21/2014	< 0.01	1.00	No	No
Tetrachloroethylene (ug/L) - TW	1/21/2014	< 0.35	30.00	No	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW	1/21/2014	< 0.14	100.00	No	No
Triallate (ug/L) - TW	1/21/2014	< 0.01	230.00	No	No
Trichloroethylene (ug/L) - TW	1/21/2014	< 0.44	50.00	No	No
2,4,6-Trichlorophenol (ug/L) - TW	1/21/2014	< 0.25	5.00	No	No
2,4,5-T (ug/L) - TW	1/21/2014	< 0.22	280.00	No	No
Trifluralin (ug/L) - TW	1/21/2014	< 0.02	45.00	No	No
Vinyl Chloride (ug/L) - TW	1/21/2014	< 0.17	2.00	No	No
DISTRIBUTION WATER					
Trihalomethane: Total (ug/L) Annual Average - DW	1/01/2015	48	100.00	No	No