

## **ANNUAL DRINKING WATER REPORT 2010-2011**

### **OUR LADY OF GRACE, WESTMEATH**

#### **Introduction**

The Renfrew County Catholic District School Board is pleased to present to the parents and students of Our Lady of Grace, Westmeath its annual drinking water report. The province's Drinking Water Protection Regulation for Smaller Water Works Serving Designated Facilities requires that we publish this report for your information. Here you will find the water quality and other information that we were required to collect for the annual period September 1, 2010 to August 31, 2011.

If you have a question about the Our Lady of Grace, Westmeath water supply or this report, please call the Community Use of Schools/Plant Services Officer @ 613-732-8534 or school principal Shelley Montgomery @ 613-587-4837 during business hours.

#### **Water System Information**

Our Lady of Grace has been served by an on-site drilled well since school was built in 1962. The well is drilled to a depth of approximately 15 meters, where water is obtained from a gravel/sand aquifer. In order to comply with the minimum treatment requirements contained in the regulation, ultraviolet disinfection equipment was installed in the spring of 2002. A professional engineer hired by the Board provided certification that the water works at the school meets the minimum requirements set forth in the regulation. This engineering assessment and certification is a mandatory requirement of the regulation.

#### **Equipment Costs Incurred in 2010-2011**

The cost of treatment equipment, weekly testing and the consultant was approximately \$2,261.04.

#### **Summary of notices and reports**

As required by the regulation, the Renfrew County Catholic District School Board submitted a notice to the Ministry of the Environment and to the interested authority (the Ministry of Education) advising it that the water supply at the school did not meet the minimum treatment requirements. The notice of non-compliance also advised that the Board had retained the services of an engineering consultant and planned to be in compliance by March 2002.

In March 2002, after the new water works commenced operation, the Board submitted its engineer's report to the Ministry of the Environment and the interested authority (the Ministry of Education) as required by the regulation. The report certified that Our Lady of Grace School, Westmeath water works met all requirements.

#### **Adverse water quality notifications and corrective actions**

There was one notice submitted on March 16, 2011 to the Ministry of the Environment and the local Medical Officer of Health indicating samples with adverse water quality. In this case the systems check valve was changed, the system was flushed with a chlorine solution, bottled water was supplied, and re-testing was done twice to ensure accuracy. The notice of issue resolution was sent out on March 31, 2011.

RENFREW COUNTY CATHOLIC DISTRICT SCHOOL BOARD

**Summary of water quality**

The regulation requires the Board to sample for various types of water quality parameters at prescribed frequencies. The results are presented below, followed by some definitions you may find useful.

***Summary of Results for Microbiological Parameters  
September 1, 2010- August 30, 2011***

Parameter	Sample Type	Frequency	# of samples Yearly	Amount Detected	# of exceedances
Total Coliforms (per 100 mL)	Raw Water	Monthly	12	ND	N/A
Total Coliforms (per 100 mL)	Treated Water	Monthly	12	3	1
Total Coliforms (per 100 mL)	Distribution Line	Monthly	12	9	1
E.coli (per 100 mL)	Raw Water	Monthly	12	ND	N/A
E.coli (per 100 mL)	Treated Water	Monthly	12	ND	0
E.coli (per 100 mL)	Distribution Line	Monthly	12	ND	0
Nitrites/Nitrates (N)	Treated	Quarterly	4	ND	0

**\*ND – non detectable**

RENFREW COUNTY CATHOLIC DISTRICT SCHOOL BOARD

*Summary of Results for Chemical Parameters  
(Collected May 17, 2007)*

<b>Parameter</b>	<b>MDL</b>	<b>Office</b>	<b>Staff Room</b>
Antimony	0.0001	<0.0001	--
Arsenic	0.0001	0.0004	--
Barium	0.001	0.107	--
Boron	0.005	0.040	--
Cadmium	0.00002	<0.00002	--
Chromium	0.002	<0.002	--
Lead	0.00002	--	0.00026
Mercury	0.00002	<0.00002	--
Selenium	0.0005	0.0005	--
Sodium	0.2	66.2	--
Uranium	0.00005	0.00036	--
Benzene	0.5	<0.5	--
Carbon Tetrachloride	0.2	<0.2	--
Dichlorobenzene 1, 2-	0.1	<0.1	--
Dichlorobenzene 1, 4-	0.2	<0.2	--
Dichloroethane 1, 2-	0.1	<0.1	--
Dichloroethene 1, 1-	0.1	<0.1	--
Dichloromethane (Methylene Chloride)	0.3	<0.3	--
Monochlorobenzene (Chlorobenzene)	0.2	<0.2	--
Tetrachloroethylene	0.2	<0.2	--
Trichloroethylene	0.1	<0.1	--
Vinyl Chloride	0.2	<0.2	--
Chloroform	0.3	--	<0.3
Bromodichloromethane	0.1	--	<0.1
Dibromoohloromethane	0.1	--	<0.1
Bromoform	0.1	--	<0.1
Total Trihalomethanes	0.3	--	<0.3
Alachlor	0.3	<0.3	--
Aldicarb	3	<3	--
Aldrin + Deildrin	0.02	<0.02	--
Atrazine + Metabolites	0.5	<0.5	--
Azinphos-methyl	1	<1	--
Bendiocarb	3	<3	--
Benzo(A)pyrene	0.005	<0.005	--
Bromozynil	0.3	<0.3	--
Carbaryl	3	<3	--
Carbofuran	1	<1	--
Chlordane (Total)	0.04	<0.04	--
Chlorpyrifos	0.5	<0.5	--
Cyanazine	0.5	<0.5	--
DDT + Metabolites	0.1	<0.1	--
Diazinon	1	<1	--
Dicamba	5	<5	--
Dichlorophenol 2, 4-	0.1	<0.1	--
Dichlorophenoxy acetic acid 2, 4- (2,4-D)	5	<5	--
Diclofop-methyl	0.4	<0.4	--
Dimethoate	1	<1	--
Dinoseb	0.5	<0.5	--

RENFREW COUNTY CATHOLIC DISTRICT SCHOOL BOARD

Parameter	MDL	Office	Staff Room
Diquat	5	<5	--
Diuron	5	<5	--
Glyphosate	25	<25	--
Heptachlor + Heptachlor Epoxide	0.1	<0.1	--
Tindane (Hexachlorocyclohexane, Gamma)	0.1	<0.1	--
Malathion	5	<5	--
Methoxychlor	0.1	<0.1	--
Metolachlor	3	<3	--
Metribuzin	3	<3	--
Paraquat	1	<1	--
Paranthion	3	<3	--
Pentachlorophenol	0.1	<0.1	--
Phorate	0.3	<0.3	--
Picloram	5	<5	--
Poly-Chlorinated Biphenyls (PCB's)	0.05	<0.05	--
Prometryne	0.1	<0.1	--
Simazine	0.5	<0.5	--
Temephos	10	<10	--
Terbufos	0.3	<0.3	--
Tetrachlorophenol, 2, 3, 4, 6-	0.1	<0.1	--
Triallate	10	<10	--
Trichlorophenol 2, 4, 6-	0.1	<0.1	--
Trichlorophenoxy acetic acid 2,4, 5-	10	<10	--
Trifluralin	0.5	<0.5	--

**Note: Sampling frequency is once per five years.**

**MDL – Minimum Detectable Limit (micrograms)**