

CORPORATION OF THE TOWN OF HAWKESBURY

2003 WATERWORKS SUMMARY REPORT

(January 1, 2003 to December 31, 2003)

PREPARED BY: TOWN OF HAWKESBURY

Technical Services Department

600 Higginson Street Hawkesbury, Ontario

K6A 1H1

Tel. (613) 632-0106, ext. 2237

Fax (613) 636-2094

SUBMITTED ON: March 31, 2004

2003 WATERWORKS SUMMARY REPORT

(period from January 1, 2003 to December 31, 2003)

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CORPORATION OF THE TOWN OF HAWKESBURY

2003 WATERWORKS SUMMARY REPORT

(January 1, 2003 to December 31, 2003)

1. REQUIREMENTS OF THE SAFE DRINKING WATER ACT, 2002

The Ontario government has enacted a new Drinking Water Regulation under the Safe Drinking Water Act, 2002 to replace the drinking Water Protection Regulation for Larger Waterworks (O.Reg. 459/00).

Tough standards for the protection of drinking water continue to apply, with regular sampling and testing of water, bacteria and chemical testing to be done by accredited laboratories, minimum standards for treatment, the same clear requirements for the immediate notification of any adverse water quality, public reporting and tough penalties for non-compliance.

The Drinking Water Systems Regulation (O.Reg. 170/03), enacted on June 1, 2003, has been developed by adhering to Commissioner Dennis O'Connor's recommendations contained in *Part Two: Report of the Walkerton Inquiry*, after more than a year of government consultations, and after two years of monitoring, testing and analyses under the former water regulations.

Under the new Drinking Water Systems Regulation 170/03, the Town of Hawkesbury's water system has been classified as a *Municipal Large Residential System*. This category is based on the fact that the Hawkesbury's water system serves a major residential development and serves more than 100 private residences.

Based on the 2004 Municipal Directory, there are 4,644 household units in the Town of Hawkesbury. Furthermore, the Town of Hawkesbury's water system serves two wards in the Township of Champlain, being the Town of Vankleek Hill with 895 household units and the Village of L'Orignal with 806 household units, for a total of 1,701 household units.

2. REQUIREMENTS OF THE DRINKING WATER SYSTEMS REGULATION (ONTARIO REGULATION 170/03)

The new Drinking Water Systems Regulation 170/03, made under the Safe Drinking Water Act, 2002, provides more detailed regulatory requirements in conjunction with the Safe Drinking Water Act, 2002.

3. REQUIREMENTS OF THE SYSTEM'S APPROVAL

The Town of Hawkesbury's drinking water system operates under an amended Certificate of Approval no. 1145-5UCLCJ, issued by the Ministry of the Environment on January 6, 2004, and under the Permit to Take Water no. 94-P-4011, issued on March 11, 1994 in accordance with Section 34 of the Ontario Water Resources Act. This permit was valid until March 30, 2004. Since then, the Town of Hawkesbury has received a new Permit to Take Water that will expire on February 15, 2014.

In 2003, the Town of Hawkesbury was not issued any order by the Ministry of the Environment and no failure was ever reported on the system in 2003.

Furthermore, the Town of Hawkesbury carried out system upgrades at the Water Filtration Plant in the following two phases:

Waterworks Upgrades – Phase I:

The Town of Hawkesbury proceeded with Phase I of the upgrades at the Water Filtration Plant. Work began in 2002 and was completed in June 2003. The contract was awarded to Base Controls Ltd. for a total amount of \$169,711.70.

The contract objectives were the following:

- 1. Uupgrade the DCS (Distributed Control System) to allow for some spare capacity.
- 2. Provide a reliable system for remote alarming.
- 3. Meet the requirements of the Certificate of Authorization and Engineer's Report.

The Scope of Work of the contract was as follows:

1. Water Treatment Plant

- .1 Supply and install components for Bristol Babcock DCS (Distributed Control System). Programming for DCS by Dakins Engineering under this contract.
- 2 Supply and install turbidity meters.
- .3 Supply and install chemical pump tachometers.
- .4 Supply and install alarm dialer.
- .5 Supply and install new SCADA (Supervisory Control and Data Acquisition) server, SCADA upgrade and modify SCADA interface.

2. Water Booster Station

- .1 Install Owner-supplied chlorine analysis and chemical delivery systems.
- .2 Supply and install components for Bristol Babcock DCS (Distributed Control System).
- .3 Supply and install chlorine gas monitor.
- .4 Supply and install room ventilation.

3. Provide start-up, commissioning and training.

All work under Phase I was completed by July 31, 2004 as per condition no. 5.1 of the Certificate of Approval no. 4951-5K7JUD issued on February 28, 2003.

Waterworks Upgrades – Phase II:

J.L. Richards & Associates completed the final plans and specifications for the Waterworks Upgrades Phase II. The work includes the construction of a building addition for the expansion and relocation of the alum feed and storage system; installation of a new fluoridation system for the closing of hydrofluosilicic acid by replacing the existing solid sodium silicofluoride feed system with a liquid; and upgrading the activated silica feed system by installing new bulk storage for sodium aluminate.

On September 29, 2003, the Municipal Council of the Town of Hawkesbury adopted Resolution no. R-523-03 to authorize the Director of Technical Services to proceed with the call for tenders for the Waterworks Upgrades / Phase II.

The contract was awarded in December 2003 to ASCO Contruction Ltd. for an amount of \$473,550.00. The work started in January 2004.

Work is currently underway for Phase II. Said work has to be completed by July 1, 2004, as required under Part 8 of the Certificate of Approval no. 1145-5UCLCJ -"Studies and Upgrades Required".

4. **RATED CAPACITY AND FLOW RATES**

Under Part 4 of the amended Certificate of Approval no. 1145-5UCLCJ, the rated capacity at the Hawkesbury Water Filtration Plant is as follows:

Maximum Flow Rate (L/sec) 316 Maximum Daily Volume (m³/day) 27.275

Based on the water production data, the maximum daily water production was in June 2003 at 15,027 m³/day or 174 L/sec, well under the maximum flow rate allowed.

Under the Permit to Take Water no. 94-P-4011, the rate of taking for the Town of Hawkesbury is as follows:

- Maximum Rate of Taking (IG/min) = 5,500
- Maximum Rate of Taking (IG/day) = 8,000,000

Based on the raw water consumption data, the maximum rate of taking was in August 2003 at 7,090 IG/min or 10,208,200 IG/day, over the maximum allowed. However, this peak was due to the accidental start-up of the second pump at the raw water pumping

station for approximately five minutes. The highest peak, notwithstanding the above value, was in July 2003. The maximum rate was 3,460 IG/min or 4,984,550 IG/day, under the maximum allowed.

See Appendix "A" for Waterworks Data 2003.

5. **AVAILABILITY OF REPORT**

The Town of Hawkesbury will be advising the users of water from the system, through local newspapers, that the Summary Report will be available for review and inspection, free of charge, from March 31, 2004, at the following locations:

1. Technical Services Department

Town of Hawkesbury 600 Higginson Street Hawkesbury, Ontario K6A 1H1 Tel. (613) 632-0106, ext. 2237

2. Hawkesbury Public Library

550 Higginson Street Hawkesbury, Ontario K6A 1H1

3. Town's website www.ville.hawkesbury.on.ca

Furthermore, a copy of the Summary Report will also be forwarded to the Township of Champlain.

This 2003 Summary Report has been prepared on March 31, 2004 and will be submitted to the Municipal Council of the Corporation of the Town of Hawkesbury within the next three months.

Martin Bonhomme, P.Eng., CMA Chief Administrative Officer/ Director of Technical Services Town of Hawkesbury 600 Higginson Street Hawkesbury, Ontario K6A 1H1 Tel. (613) 632-0106, ext. 2236 Fax (613) 636-2094

APPENDIX "A" WATERWORKS DATA 2003

SOMMAIRE / SUMMARY

	2002	2003	1	2002	2003
		ion d'eau lons)		Water pr	oduction 3)
Total de l'année Total for year	771,476,200	811,019,559		3,506,710	3,686,453
Moy. par jour Daily ave.	2,113,540	2,221,971		9,607	10,100
Moy. par min. Ave. per min.	1,468	1,543		6.67	7.01
Consommation max. Max. consumption	3,199,680	3,306,023		14,544	15,027
Consommation min. Min. consumption	1,270,940	1,616,904		5,777	7,350
	Produits c	•		Chemical p	
Alun/Alum	563,917	709,045		256.326	322,293
Chaux/Lime	82,713	91,507		37,597	41,594
Chlore/Chlorine	22,761	23,820		10,346	10,827
Fluor/Fluoride	10,479	2,148		4,763	976
Silicate	16,984	19,424		7,720	8,829
Aluminate	8,017	8,898		3,644	4,045

Surintendant/Superintendent
SERVICE DE L'ENVIRONNEMENT/ENVIRONMENT SERVICE

ļ		_			NAM WATER TAKING VALUES
MONTH			Raw	Raw water	
MONTH		ļ	Water	(peak)	•
	+	+	(M3)	(M3)	
	Avg.		10,353		i e
JAN	Max		12,664	n/a	
	Min		8,719	IVA	
	Total	-	320,952		
	1		020,002		
	Avg.		9.544		
FEV	Max		11,083	n/a	
	Min		8,085		
	Total		267,229		
	Avg.		9,684		
MARS	Max	1	11,159	n/a	
	Min		8,647		
	Total		300,212		
	۸		40.400		
APRIL	Avg. Max		10,166		
PACINIL	Min		11,932	n/a	
	Total		8,054		
	, , , ,		304,986		
	Avg.		10,937		
MAY	Max		12,543	n/a	
	Min		9,794	, - 42	
	Total		339,048		
	Avg.		12,212		
JUNE	Max		17,329	22,101	
	Min		9,859		
	Total	П	36 6,349		
	Avg.		11,646		
JULY	Max		15,086	22,657	
- 1	Min		8,106		
	Total		361,028		
- 1	Avg.		12,398		
UGUST	Max	П	14,465	46,401	1
	Min	П	10,383	-W, TO 1	
ĺ	Total		384,350		
l		Н	,,,,,,,,		ĺ
Į	Avg.	П	11,659		}
SEPT.	Max		14,119	20,494	ľ
- [Min	Ш	9,282	•	l
1	Total	П	349,761		
		П			
l	Avg.		10,606		ļ
осто.	Max	Н	12,720	20,965	
[Min		7,937		
1	Total		328,800		
ľ	A		46.000		I
NOV.	Avg.		10,067	47.00	
VOV.	Max	Н	11,795	17,291	
- 1	Min Totai		8,280		
- 1	i Otali		301,995		ı
l	Avg.		11,467		
DEC.	Max		13,281	18,512	
	Min		9,281	10,312	
- 1	Total		344,012		
	Avg.		J77,012		
	Max		15,086	46,401	1
	Min			-10,-10 i	İ
			7937		1
	Total		4,332,328		1

,

	1				•	RAW W	ATED			····	
	+					LOWAN AL	Residual			Free	Tota
MONT	H Date	Temp	. pl	H Alk	. Colo	r Turb.	Alum.	Choli	E.Coli.	Chlorine	
	Avg.	2.3	7.2	1 28	3 36	3 2.07	0.000	208.39	3.87	0.00	0.00
JAI		4.1					0.000			0.00	0.00
	Min	1.1	7.1	4 25	5 32	2 1.70	0.000	0.00	0.00	0.00	0.00
	Avg.	1.3					0.000	169.64		0.00	0.00
FE	/ Max Min	1.6					0.000	1430.00		0.00	0.00
	"		7.1	J 2-	, ,	2.10	0.000	0.00	0.00	0.00	0.00
MARS	Avg.	1.3					0.000	210.65		0.00	0.00
MARS	Max Min	1.8					0.000	2020.00		0.00	0.00
	Total		,			2.70	0.000	0.00	0.00		0.00
400"	Avg.	3.2				15.36	0.000	59.00	2.00	0.00	0.00
APRIL	. Max Min	7.9 1.2	7.49 7.22			29.70	0.000	600.00	30.00 0.00	0.00	0.00
				. 00		0.00	0.000	0.00	0.00	0.00	0.00
	Avg.	12.9	7.44	41	42	7.46	0.000	59.68	3.23	0.00	0.00
MAY	1	16.5	7.58			11.45	0.000	960.00	90.00	0.00	0.00
	Min	8.4	7.24	37	0	5.65	0.000	0.00	0.00	0.00	0.00
	Avg.	19.3	7.41	41	43	7.68	0.000	40.33	1.67	0.00	0.00
JUNE	1	23.5	7.67			11.20	0.000	360.00	20.00	0.00	0.00
	Min	15.9	7.20	32	39	5.10	0.000	0.00	0.00	0.00	0.00
	Avg.	23.5	7.20	30	41	6.65	0.000	50.65	0.00	0.00	0.00
JULY	Max Min	24.8 22.3	7.31 6.97		45 35	8.95		1120.00	0.00	0.00	0.00
	IVIIII	22.5	0.31	24	33	4.45	0.000	0.00	0.00	0.00	0.00
	Avg.	24.3	7.21		37	5.03	0.000	12.67	0.33	0.00	0.00
AUG.	Max Min	25.9 21.8	7.35 7.07		47 32	16.95 3.40	0.000	230.00	10.00	0.00	0.00
	141111	21.0	7.07	25	32	3.40	0.000	0.00	0.00	0.00	0.00
	Avg.	21.2	7.29		36	4.17	0.000	27.33	0.67	0.00	0.00
SEPT.	Max Min	19.0	7.43 7.13		45 33	8.60 2.80	0.000	300.00	10.00 0.00	0.00	0.00
	141414	13.5	7.13	24	33	2.00	0.000	0.00	0.00	0.00	0.00
	Avg.	13.9	7.34	33	38	5.94	0.000	35.74	4.19	0.00	0.00
осто.	Max Min	18.0 10.7	7.48 7.25	50 26	47 33	13.70 3.30	0.000	700.00 0.00	110.00 0.00	0.00	0.00
	******	10.7	1.20	20	55	5.50	0.000	5.00	0.00	0.00	3.00
	Avg.	6.1	7.52	44		13.63	0.000	52.14	6.33	0.00	0.00
NOV.	Max Min	10.1	7.61 7.44	51 26	50 0	35.05 4.90	0.000	990.00	90.00 0.00	0.00	0.00
	rwitt I	*.'	1.44	20	U	7.30	0.000	0.00	0.00	0.00	0.00
	Avg.	1.4	7.50	42		9.27	0.000	56.21	5.33	0.00	0.00
DEC.	Max	4.0	7.63	59		28.65	0.000	750.00	60.00	0.00	0.00
	Min	1.0	7.32	37	0	3.65	0.000	0.00	0.00	0.00	0.00
	Avg. Max	10.89 25.90		33.83 59.00			0.00	81.87	3.08	0.00	0.00
	Min	1.00		23.50	0.00		0.00 3	210.00 0.00	110.00 0.00	0.00 0.00	0.00
	Total						50	0.00	00	00	00

	BAC	KWASH			WATER P	RODUCTION		
		TSS	Raw	City	Back	Plant	Total	Town
MONTH		(mg/l)	Water	Consumption	Wash	Use	Production	Flow
			(M3)	(M3)	(M3)	(M3)	(m3/d)	(m3/d)
İ								
JAN	Avg.	0.0	10,353				9,683	9,054
JAN	Max	0.0	12,664				10,988	10,882
	Min Total	0.0	8,719	200 407	2 720	740	8,164	202.025
[7 Otal		320,952	296,467	3,720	742	300,187	280,685
	Avg.	0.0	9,544				8,722	6,796
FEV	Max	0.0	11,083				10,322	10,311
	Min	0.0	8,085				7,444	0
	Total		267,229	240,821	3,386	547	244,207	190,286
MARS	Avg. Max	0.0	9,684 11,159				8,855	8,507
102.40	Min	0.0	8,647				10,577 7,911	10,477 0
	Total	0.0	300,212	270,804	3,697	604	274,500	263,732
			,	2,0,004	0,00	004	274,000	200,102
	Avg.	0.0	10,166				9,308	9,256
APRIL	Max	0.0	11,932				11,174	11,037
	Min	0.0	8,054				7,350	7,259
	Total		304,986	275,721	3,524	2,732	279,245	277,669
	Avg.	0.0	10,937				10 100	40.004
MAY	Max	0.0	12,543				10,169 11,646	10,084 11,759
	Min	0.0	9,794				8,748	8,652
	Total		339,048	311,470	3,772	3,805	315,242	312,615
			•	ŕ		•		, ,
	Avg.	0.0	12,212				11,405	11,300
JUNE	Max	0.0	17,329				15,027	14,915
	Min	0.0	9,859	000 000	0.000	70.4	9,059	8,958
	Total		366,349	338,522	3,630	764	342,152	339,010
	Avg.	0.0	11,646				10,741	10,315
JULY	Max	0.0	15,086				13,955	13,987
	Min	0.0	8,106				7,494	0
ĺ	Total		361,028	329,266	3,702	2,630	332,967	319,768
	A							
AUGUST	Avg. Max	0.0	12,398				11,490	11,422
700001	Min	0.0	14,465 10,383				13,590 9,752	13,465 9,671
	Total	0.0	384,350	352,455	3,720	12,354	356,175	354,087
- 1			001,000	002,100	0,120	12,007	000,170	304,007
	Avg.	0.0	11,659				11,095	11,026
SEPT.	Max	0.0	14,119				13,606	13,465
i	Min	0.0	9,282				9,420	9,348
1	Total		349,761	329,513	3,348	10,100	332,860	330,792
l	Avg.	0.0	10,606				10,098	9,944
осто.	Max	0.0	12,720				10,995	10,928
- 1	Min	0.0	7,937				8,246	8,151
	Total		328,800	308,698	4,338	8,704	313,035	308,265
- 1								
	Avg.	0.0	10,067				9,332	9,241
NOV.	Max	0.0	11,795				10,590	10,590
	Min Total	0.0	8,280 301,995	276,469	3,506	8,138	7,646	7,576
-	1000		JU 1,850	210,408	3,300	0,130	279,975	277,222
- 1	Avg.	0.0	11,467				10,530	10,415
DEC.	Max	0.0	13,281				12,764	11,955
	Min	0.0	9,281				7,865	7,810
	Total		344,012	310,740	5,167	7,788	315,907	312,456
	Avg.	0.00					10,119	
	Max	0.00					15,027	1
	Min	0.00					7,350	ŀ
	Total	A	222 220 4	3,640,945	45,508	58,907	3,686,453	

	T			_					TOE	ATED IMA	TER							
		1						Residual	IKE	ATED WA	Total	Comb.						
MONTH	Date	Temp.	þl	1 Alk	· lardness	s Colo	r Turb.	Alum.	Fluor	Chlorine	Chlorine	Chlorine	Choli.	E.Coli.	THM #1	THM #2	THM#3	THM #4
IANI	Avg.	1.1	7.6					0.005	0.41	0.91	1.13	0.22	0.00	0.00				0.00
JAN	Max Min	1.5	7.98 7.43					0.122 0.000	0.75 0.00	1.09 0.78	1.31 0.98	0.27 0.18	0.00	0.00	0.00		0.00	0.00
	Avg.	1.0	7.60					0.002	0.17	0.84	1.05	0.21	0.00	0.00	0.00		0.00	0.00
FEV	Max Min	1.0	7.80 7.41					0.020 0.000	0.59 0.00	1.03 0.70	1.30 0.90	0.29 0.17	0.00	0.00 0.00	0.00 0.00		0.00 0.00	0.00
MADO	Avg.	1.0	7.54					0.004	0.19	0.81	1.07	0.26	0.00	0.00	0.00		0.00	0.00
MARS	Max Min Total	0.8	7.70 7.27		74 37			0.068 0.000	0.21 0.00	1.17 0.65	1.63 0.82	0.46 0.17	0.00	0.00 0.00	0.00		0.00	0.00 0.00
APRIL	Avg. Max	2.8 7.2	7.68 8.28		64 72			0.002 0.021	0.19 0.19	0.98 1.19	1.21 1.54	0.24 0.36	0.00	0.00	0.00	0.00	0.00	0.00
	Min	1.0	7.34	36	48	1	0.22	0.000	0.19	0.82	1.05	0.19	0.00	0.00	0.00	0.00	0.00	0.00
MAY	Avg. Max	12.5 16.0	7.63 7.83		61 70	2		0.004 0.060	0.19 0.19	0.83 1.06	1.04 1.29	0.20 0.25	0.00	0.00	0.00	0.00	0.00	0.00
	Min	8.2	7.50		52			0.000	0.19	0.64	0.85	0.15	0.00	0.00	0.00	0.00	0.00	0.00
JUNE	Avg. Max	18.9 23.0	7.61 7.89	41 49	59 74	2	0.19 0.24	0.004	0.16 0.19	0.82 0.97	1.02 1.19	0.20 0.26	0.00	0.00	0.00	0.00	0.00	0.00
	Min	16.1	7.44		48	1	0.15	0.000	-0.10	0.73	0.90	0.14	0.00	0.00	0.00	0.00	0.00	0.00
JULY	Avg. Max	23.2 24.5	7.54 7.85	32 38	43 48	2	0.18 0.23	0.003 0.034	0.12 0.65	0.91 1.09	1.09 1.29	0.19 0.27	0.00	0.00	0.00	0.00	0.00	0.00
	Min	22.3	5.75	28	32	1	0.14	0.000	-0.10	0.76	0.90	0.14	0.00	0.00	0.00	0.00	0.00	0.00
AUG.	Avg. Max	24.0 26.3	7.58 7.83	28 31	38 42	2	0.16 0.23	0.003 0.029	0.03 0.69	0.87 1.16	1.06 1.39	0.19 0.25	0.00	0.00	0.00	0.00	0.00	0.00
	Min	21.4	7.23	26	34	1	0.12	0.000	-0.10	0.57	0.75	0.14	0.00	0.00	0.00	0.00	0.00	0.00
SEPT.	Avg. Max	20.6 21.4	7.59 7.83	28 30	40 44	2	0.15 0.19	0.005 0.061	-0.09 0.21	0.91 1.17	1.09 1.40	0.18 0.26	0.00	0.00	0.00	0.00	0.00	0.00
	Min	18.2	7.19	25	34	1	0.13	0.000	-0.10	0.66	0.84	0.14	0.00	0.00	0.00	0.00	0.00	0.00
осто.	Avg. Max	13.1 16.9	7.62 7.84	33 47	47 66	2	0.18 0.27	0.004 0.061	-0.05 0.66	0.96 1.27	1.17 1.53	0.21 0.29	0.00	0.00	0.00	0.00	0.00	0.00
	Min	9.2	7.34	27	38	1	0.14	0.000	-0.10	0.64	0.83	0.18	0.00	0.00	0.00	0.00	0.00	0.00
NOV.	Avg. Max	6.3 9.2	7.60 7.80	43 48	65 78	2	0.23 0.32	0.000	0.74 0.91	0.99 1.16	1.23 1.40	0.26 0.34	0.00	0.00	0.00	0.00	0.00	0.00 0.00
	Min	4.8	7.39	38	50	1	0.20	0.000	0.30	0.69	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEC.	Avg. Max	1.8 3.4	7.64 7.88	42 46	63 72	2	0.25 0.33	0.000	0.72 0.86	0.97 1.22	1.23 1.53	0.26 0.35	0.00	0.00	0.00	0.00	0.00	0.00
	Min	1.0	7.47	39	29	1	0.20	0.000	0.37	0.74	0.98	0.19	0.00	0.00	0.00	0.00	0.00	0.00
	Avg. Max Min	10.52 26.25 0.80	8.28	34.61 48.50 15.79	52.31 78.00 29.12	2.12 3.00 0.50	0.22 0.67 0.12	0.00 0.12 0.00	0.23 0.91 -0.10	0.90 1.27 0.57	1.12 1.63 0.69	0.22 0.46 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.02 0.00	0.00 0.00 0.00	0.00 0.00 0.00

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	ī		ILTERS		
		Turb.	Turb.	Turb.	
MONTH	}	No.1	No.2	No.3	
	Aum	0.14	0.10	0.16	
JAN	Avg. Max	0.14	0.10	0.78	
"	Min	0.06	0.04	0.00	
	Avg.	0.09	0.09	0.00	
FEV	Max	0.16	0.13	0.00	
	Min	0.05	0.05	0.00	
	Avg.	0.11	0.11	0.11	
MARS	Max	0.22	0.18	0.21	
	Min	0.07	0.08	0.07	
]	Avg.	0.11	0.12	0.12	
APRIL	Max	0.16	0.12	0.12	
	Min	0.08	0.08	0.09	
	Avg.	0.11	0.11	0.11	
MAY	Max	0.17	0.19	0.17	
	Min	0.07	0.06	0.06	
	Avg.	0.10	0.10	0.10	
JUNE	Max	0.14	0.17	0.14	
	Min	0.07	0.07	0.07	
	Avg.	0.11	0.11	0.12	
JULY	Max	0.19	0.16	0.21	
	Min	0.06	0.07	0.08	
	A	0.42	0.44	0.44	
AUGUST	Avg. Max	0.12 0.55	0.11 0.38	0.11 0.45	
A00031	Min	0.07	0.07	0.43	
	Avg.	0.12	0.12	0.11	
SEPT.	Max	0.35	0.24	0.33 0.06	
	Min	0.08	0.08	U.U6	
	Avg.	0.13	0.11	0.11	
осто.	Max	0.79	0.50	0.53	
	Min	0.05	0.00	0.05	
	Avg.	0.11	0.11	0.10	
NOV.	Max	0.17	0.15	0.15	
	Min	0.08	0.07	0.07	
	Ava	0.42	0.11	0.13	
DEC.	Avg. Max	0.12 0.28	0.11	0.13	
DLC.	Min	0.08	0.13	0.07	
	Avg.	0.12	0.11	0.11	
	Max	0.79	0.50	0.78	
	Min	0.05	0.00	0.00	
	Total				

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