

De 2010

ALBERTA ENVIRONMENT WATERWORKS INSPECTION REPORT

Rycroft Waterworks System	1135-02-00	WTII WDI	
Sandra Hatfield	~630	Jan 20/10	
Jan Watson	Dec 08/10	13:30	
34055	N/A		
1	Is the operator's certification (including back-up) appropriate for the facility?	3	Sandra Hatfield - Certification Number 3761 WTII WDI, backup operators are the Town of Spirit River Staff.
2	Have approval/COP contraventions been properly reported?	3	Incidents properly reported when required.
3	Is monitoring equipment (portable, bench top and continuous) properly maintained and calibrated?	3	Monthly Calibration in house, Annual HACH Maintenance.
4	Were emergency situations (failure to meet chlorine, turbidity or bacteriological quality limits, loss of positive pressure, etc.) dealt with as required?	3	No emergency actions required to be taken.
5	Are treated water turbidity (entering cleanwell reservoir, filter effluent) requirements met?	3	NTU Range: 0.17-0.3 NTU (March/June/Oct) off of the filters.
6	Are chlorine residuals and CT Disinfection (entering the distribution system) requirements met?	3	Concentration Range: 0.39-1.75 mg/l (Mar/June/October). No CT calculations completed.
7	Are chlorine residuals (in the distribution system) requirements met?	3	Concentration Range: 0.33 - 1.07 mg/l (March/June/October) Two samples collected in the Distribution System weekly.
8	Are treated water bacteriological monitoring (in the distribution system) requirements met?	4	Additional samples submitted monthly.

9	Are operators familiar with the current signed Approval (and amendments) or Code of Practice for the waterworks system?	4	Operators have reviewed the approval requirements. Approval onsite.
10	Are raw water well(s) protected and maintained in a sanitary manner?		Surface water facility.
11	Have raw surface water intake/storage protection measures and monitoring been established to minimize adverse effects of spills or other events?	3	Aerated raw water reservoirs.
12	Are water treatment chemicals used at the facility listed and used as specified by ANSI/NSF Standard 60, IISO/IEC 9000 or ISO/IEC 14001 certification?	4	Clear Tech is the chemical supplier, MSDS documents are onsite, Secondary containment considered for facility upgrades.
13	Are system water volumes metered?	4	Community and water treatment facility are metered.
14	Were treated water sample(s) taken as required, including all parameters and analyzed by an accredited independent laboratory?	4	Exova Labs used.
15	Does the treated water meet the GCDWQ parameters based on the sampling required for the facility?	2	TTHM exceedences noted
16	Were reports (monthly & annual) properly compiled, maintained and submitted on time?	3	Monthly reports are retained onsite and annual report is submitted paper copy.
17	Are treated water turbidity (entering the distribution system) requirements met?		Not Applicable
18	Are treated water turbidity (in the distribution system) requirements met?		Not Applicable
19	Are fluoride concentrations (when added) requirements met?		Not a fluoridation facility
20	Are filter(s) effluent turbidity monitoring (entering the clearwell, filter effluent) requirements met?	3	Daily grab samples off the filters.
21	Are treated water turbidity monitoring (entering the distribution system) requirements met?		Not Applicable
22	Are treated water turbidity monitoring (in the distribution system) requirements met?		Not Applicable
23	Are treated water fluoride concentration monitoring (entering the distribution system) requirements met?		Not Applicable
24	Are treated water chlorine residual monitoring (entering the distribution system) requirements met?	3	Daily grab samples.
25	Are treated water chlorine residual monitoring (in the distribution system) requirements met?	4	weekly samples taken along with Bacti samples.

June 2010

ALBERTA ENVIRONMENT WATERWORKS INSPECTION REPORT

Rycroft	1135-02-00	WT II WD I	
Sandra Hatfield CWT II WD I	600	May 28, 2009	
James McCallum	January 20, 2010	1315	
24015	1.71 mg/l free, 5.90 mg/l total, 0.25 NTU		
1	Is the operator's certification (including back-up) appropriate for the facility?	3	Certificate: 3761 Sandra Hatfield has conditional Water Treatment II certification.
2	Have approval/COP contraventions been properly reported?	2	Filter effluent turbidity limit exceedance reported December 17, 2009.
3	Is monitoring equipment (portable, bench top and continuous) properly maintained and calibrated?	4	Calibration logs maintained. CALA participation. Hach maintenance program.
4	Were emergency situations (failure to meet chlorine, turbidity or bacteriological quality limits, loss of positive pressure, etc.) dealt with as required?	3	No emergency conditions to report. Operations Program under development.
5	Are treated water turbidity (entering cleanwell reservoir, filter effluent) requirements met?	3	NTU range: 0.12 - 0.29 NTU (December 2009/January 2010).
6	Are chlorine residuals and CT Disinfection (entering the distribution system) requirements met?	3	Concentration range: 0.24 - 1.98 mg/l free chlorine residual (December 2009/January 2010).
7	Are chlorine residuals (in the distribution system) requirements met?	4	Concentration range: 1.37 - 1.43 mg/l total chlorine residual (December 2009/January 2010).
8	Are treated water bacteriological monitoring (in the distribution system) requirements met?	4	Additional samples submitted.

9	Are operators familiar with the current signed Approval (and amendments) or Code of Practice for the waterworks system?	4	Operators have reviewed approval requirements. Approval onsite.
10	Are raw water well(s) protected and maintained in a sanitary manner?		Surface water facility.
11	Have raw surface water intake/storage protection measures and monitoring been established to minimize adverse effects of spills or other events?	3	Aerated raw water reservoirs (3).
12	Are water treatment chemicals used at the facility listed and used as specified by ANSI/NSF Standard 60, ISO/IEC 9000 or ISO/IEC 14001 certification?	4	ClearTech chemical supplier. Current MSDS documents onsite. Secondary containment considered for facility upgrade.
13	Are system water volumes metered?	4	Metered water treatment facility and community.
14	Were treated water sample(s) taken as required, including all parameters and analyzed by an accredited independent laboratory?	4	Exova Labs used.
15	Does the treated water meet the GCDWQ parameters based on the sampling required for the facility?	2	TTHM exceedances noted.
16	Were reports (monthly & annual) properly compiled, maintained and submitted on time?	3	Monthly reports retained and Annual reports submitted.
17	Are treated water turbidity (entering the distribution system) requirements met?	3	0.29 - 0.39 NTU (December 2009/January 2010).
18	Are treated water turbidity (in the distribution system) requirements met?	3	0.32 - 0.37 NTU (January 2010).
19	Are fluoride concentrations (when added) requirements met?		No fluoridation.
20	Are filter(s) effluent turbidity monitoring (entering the clearwell, filter effluent) requirements met?	3	Daily grab sampling.
21	Are treated water turbidity monitoring (entering the distribution system) requirements met?	3	Daily grab sampling.
22	Are treated water turbidity monitoring (in the distribution system) requirements met?	3	Weekly grab sampling.
23	Are treated water fluoride concentration monitoring (entering the distribution system) requirements met?		No fluoridation.
24	Are treated water chlorine residual monitoring (entering the distribution system) requirements met?	3	Daily grab sampling.
25	Are treated water chlorine residual monitoring (in the distribution system) requirements met?	3	Weekly grab sampling.

Alberta Environment - Compliance

