



2005 Client Monthly Operations Report The Nation Municipality

St. Albert Wastewater Lagoon & Collection System

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Hub Name: Facility Type: Alfred Hub Municipal

Classsification

Class 2 Wastewater Collection, Class 1 Wastewater Treatment

Title Holder:

Municipality

Operation Status: Operator Manager: OCWA

Asst. Ops. Mgr. Client Service Rep

Jacques Breen, (613) 679-4631 Harold Wilkinson, (613) 679-4631 John Kingsbury, (613) 774-3663

Capacity(m3/d):

720

Service Area: Village of St. Albert

Service Population: Inservice Date:

1000 1995

Operational Description:

One Pumping Station and a three Cell Lagoon plus one Aeration Cell with continuous Phosphorous Removal and Discharged Annually.

Major Process:

Phosphorus Removal:

Continuous

Additional Treatment:

Discharge Mode:

Annual discharge

Effluent Disinfection Practice:

Sludge Stabilization: Sludge Disposal:

Performance Data and														
influent Flow Data		Jan	Feb	Mar	Apr	May	Jun	ᇪ	Aug	Sep	Oct	Nov	Dec	Lin
Avg Day Raw Flow m3	Avg	374.97	250,21	236.65	377.87	223.45	240.47	199.52	170.03	369.77	401,61	343,40	263,39	
Max Day Raw Flow m3	Max	451.00	308.00	517.00	669.00	340.00	377.00	1,336.00	285.00	483.00	577.00	567.00	405.00	
Tot Month Raw Flow m3	Total	11,624.00	7,006.00	7,336,00	11,336,00	6,927.00	7,214.00	6,185.00	5,271.00	11,093.00	12,450.00	10,302.00	8,165.00	
Influent Quality		Jan	Feb	Mar	Apr	May	Jun	'n	Aug	Sep	Oct	Nov	Dec	Lim
BOD5/CBOD5 (mg/L)	Avg	55.00	58.00	226.00	256.00	140.00	95.00	163.00	148.00	52.00	111.00	70,00	48.00	
SS (mg/L)	Avg	52.00	20.50	236.00	1,480.00	90.00	60.00	112.00	148.00	180,00	248,00	100.00	70.00	
TP (mg/L)	Avg	18.10	68.00	10.60	6.59	4.83	3.77	6.12	9.47	8.05	8.87	6.04	2.77	
Treated Flow Data		Jan	Feb	War	Apr	May	Jın	ħ	Aug	Sep	Oct	Nov	Dec	Limi
Avg Day Treated Flow m3	Avg			7,939.64	3,117.99									
Max Day Treated Flow m3	Max			12,044.00	3,263.00									
Tot Month Treated Flow m3	Total			87,336.01	46,769.80								-	
Treated Quality		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Limi
BOD5/CBOD5 (mg/L)	Avg			7.67	3.00									
SS (mg/L)	Avg			9.67	14,50			•						
TP (mg/L)	Avg			0.64	0.22									
Comments	***************************************		······	***************************************	·			•••••					***************************************	***************************************

<General> - [10/15/2005] Suspect that the cheese factory flow meter is malfunctioning





2005 Client Monthly Operations Report The Nation Municipality

St. Albert Wastewater Lagoon & Collection System

Réunion Conseil
Council Mtg

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Territory

Hub Name: Facility Type: Alfred Hub

Municipal

Classsification

Class 2 Wastewater Collection, Class 1 Wastewater Treatment

Title Holder:

Municipality

Operation Status: Operator Manager: OCWA Jacques Breen, (613) 679-4631

Asst. Ops. Mgr. Client Service Rep Harold Wilkinson, (613) 679-4631 John Kingsbury, (613) 774-3663

Capacity(m3/d):

Service Area:

Village of St. Albert

Service Population:

1000

Inservice Date: 1995

Operational Description:

One Pumping Station and a three Cell Lagoon plus one Aeration Cell with continuous Phosphorous Removal and Discharged Annually.

Treatment Proces

Major Process:

Phosphorus Removal:

Continuous

Additional Treatment:

Discharge Mode:

Effluent Disinfection Practice:

Sludge Stabilization: Sludge Disposal:

Annual discharge

Performance Data an	d Compliance								200		10.00	silve says		
Influent Flow Data		Jan	Feb	Mar	Apr	May	Jun	jų.	Aug	Sep	Oct	Nov	Dec	Lim
Avg. Raw Flow (m3/d)	Avg	374.97	250.21	236.65	377.87	223,45	240.47	199.52	170.03	369.77				0.0
Max. Raw Flow (m3/d)	Max	451.00	308.00	517.00	669.00	340.00	377.00	1,336.00	285.00	483.00				0.0
Total Raw Flow (m3/d)	Total	11,624.00	7,006.00	7,336.00	11,336.00	6,927.00	7,214.00	6,185.00	5,271.00	11,093.00				
Influent Quality		Jan	Feb	Mar	Apr	May	Jun	'n	Aug	Sep	Oct	Nov	Dec	Lim
BOD5/CBOD5 (mg/L)	Avg	55.00	58.00	226.00	256.00	140.00	95.00	163.00	148.00	52.00				0.0
SS (mg/L)	Avg	52.00	20.50	236.00	1,480.00	90.00	60.00	112.00	148.00	180.00				0.0
TP (mg/L)	Avg	18.10	68.00	10.60	6.59	4.83	3.77	6.12	9.47	8.05				0.0
Treated Flow Data	4**************************************	Jan	Feb	Mar	Apr	May	Jun	Ji	Aug	Sep	Oct	Nov	Dec	Lim
Avg Treated Flow (m3/d)	Avg			7,939.64	3,117.99									0.0
Max Treated Flow (m3/d)	Max			12,044.00	3,263.00									0.0
Total Treated Flow (m3/d)	Total			87,336.01	46,769.80									
Treated Quality		Jan	Feb	War	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Lim
BOD5/CBOD5 (mg/L)	Avg			7.67	3.00									0.0
SS (mg/L)	Avg			9.67	14.50									0.0
TP (mg/L)	Avg			0.64	0.22									0.0

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Ontario Clean Water Agency
Agence Ontarienne Des Esux

2005 Client Monthly Operations Report The Nation Municipality St. Albert Wastewater Lagoon & Collection System

Réunion Consoil

Action __ Clerk Greffier



Hub Name:

Alfred Hub

Facility Type:

Municipal

Classsification

Class 2 Wastewater Collection, Class 1 Wastewater Treatment

Title Holder:

Municipality

Operation Status: Operator Manager: OCWA Jacques Breen, (613) 679-4631

Harold Wilkinson, (613) 679-4631

Asst. Ops. Mgr. Client Service Rep

John Kingsbury, (613) 774-3663

Capacity(m3/d):

Service Area:

Village of St. Albert

Service Population:

1000

Inservice Date:

1995

Operational Description:

One Pumping Station and a three Cell Lagoon plus one Aeration Cell with continuous Phosphorous Removal and Discharged Annually.

Treatment Process

Major Process:

Phosphorus Removal:

Continuous

Additional Treatment:

Discharge Mode:

Annual discharge

Effluent Disinfection Practice:

Sludge Stabilization:

Sludge Disposal:



Performance Data and Compliance

Influent Flow Data		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Limit
Avg. Raw Flow (m3/d)	Avg	374.97	250.21	236.65	377.87	223.45	240.47							0.00
Max. Raw Flow (m3/d)	Max	451.00	308.00	517.00	669.00	340.00	377.00							0.00
Total Raw Flow (m3/d)	Total	11,624.00	7,006.00	7,336.00	11,336.00	6,927.00	7,214.00							
Influent Quality		Jan	Felo	Mar	Apr	May	Jun	hi	Aug	Sep	Oct	Nov	Dec	Limit
BOD5/CBOD5 (mg/L)	Avg	55.00	58.00	226.00	256.00	140.00	95.00							0.00
SS (mg/L)	Avg	52.00	20.50	236.00	1,480.00	90.00	60.00							0.00
TP (mg/L)	Avg	18.10	68.00	10.60	6.59	4.83	3.77							0.00
Treated Flow Data		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Limit
Avg Treated Flow (m3/d)	Avg			7,939.64	3,117.99									0.00
Max Treated Flow (m3/d)	Max			12,044.00	3,263.00									0.00
Total Treated Flow (m3/d)	Total			87,336.01	46,769.80									
Treated Quality		Jan	Feb	Mer	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Limit
BOD5/CBOD5 (mg/L)	Avg			7.67	3.00									0.00
SS (mg/L)	Avg			9.67	14,50									0.00
TP (mg/L)	Avg			0.64	0.22									0.00





2005 Client Monthly Operations Report The Nation Municipality

St. Albert Wastewater Lagoon & Collection System

Réunion Conseil Council Mtg ——

Action .

Greffier-

Hub Name:

Class 2 Wastewater Collection, Class 1 Wastewater Treatment Municipal Classsification Facility Type: Title Holder:

Municipality OCWA Operator Manager: Operation Status:

Jacques Breen, (613) 679-4631 Harold Wilkinson, (613) 679-4631 John Kingsbury, (613) 774-3663 Asst. Ops. Mgr. Client Service Rep Capacity(m3/d):

Village of St. Albert Service Area:

1000 Service Population:

1995

Operational Description:

Inservice Date:

One Pumping Station and a three Cell Lagoon plus one Aeration Cell with continuous Phosphorous Removal and Discharged Annually.

Major Process:

Continuous Phosphorus Removal: Additional Treatment:

Effluent Disinfection Practice: Sludge Stabilization: Sludge Disposal: Discharge Mode:

Annual discharge

Performance Data and	d Compliance			Å.			1940. 1840. 1860.		124		di i			
Influent Flow Data		Jan	Feb	Mar	Apr	May	Jun	'n	Aug	Sep	Oct	Nov	Dec	Lim
Avg. Raw Flow (m3/d)	Avg	374.97	250.21	236.65										0.0
Max. Raw Flow (m3/d)	Max	451.00	308.00	517.00										0.0
Total Raw Flow (m3/d)	Total	11,624.00	7,006.00	7,336.00										
Influent Quality		Jan	Feb	Mar	Apr	May	Jun	Jui	Aug	Sep	Oct	Nov	Dec	Lim
BOD5/CBOD5 (mg/L)	Avg	55.00	58.00	226.00										0.0
SS (mg/L)	Avg	52.00	20.50	236.00										0.0
TP (mg/L)	Avg	18.10	68.00	10.60										0.0
Treated Flow Data		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Lin
Avg Treated Flow (m3/d)	Avg			7,939.64										0.0
Max Treated Flow (m3/d)	Max			12,044.00										0.0
Total Treated Flow (m3/d)	Total			87,336.01										
Treated Quality		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Lim
BOD5/CBOD5 (mg/L)	Avg			7.67										0.0
SS (mg/L)	Avg			9.67										0.0
TP (mg/L)	Avg			0.64										0.0





Ontario Clean Water Agency
Agence Ontarienne Des Eaux

2005 Client Monthly Operations Report The Nation Municipality St. Albert Wastewater Lagoon & Collection System

Réunion Conseil 14 103/05

Action

Clerk Greffier

Hub Name:

Alfred Hub

Facility Type:

Municipal

Classsification

Class 2 Wastewater Collection, Class 1 Wastewater Treatment Municipality

Title Holder: Operation Status:

OCWA Jacques Breen, (613) 679-4631

Operator Manager: Asst. Ops. Mgr. Client Service Rep

Harold Wilkinson, (613) 679-4631 John Kingsbury, (613) 774-3663

Capacity(m3/d):

720

Service Area:

Village of St. Albert

Service Population: Inservice Date:

1000 1995

Operational Description:

One Pumping Station and a three Cell Lagoon plus one Aeration Cell with continuous Phosphorous Removal and Discharged Annually.

Treatment Process

Major Process:

Phosphorus Removal:

Continuous

Additional Treatment:

Discharge Mode:

Annual discharge

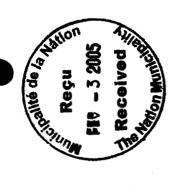
Effluent Disinfection Practice:

Sludge Stabilization: Sludge Disposal:



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Influent Flow Data	No. of the last of	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Limi
Avg. Raw Flow (m3/d)	Avg	374.97												0.0
Max. Raw Flow (m3/d)	Max	451.00												0.0
Total Raw Flow (m3/d)	Total	11,624.00												
Influent Quality		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Limi
BOD5/CBOD5 (mg/L)	Avg	55.00										The state of the s		0.00
SS (mg/L)	Avg	52.00												0.00
TP (mg/L)	Avg	18.10												0.00
Treated Flow Data		Jan	Feb	Мат	Арг	May	Jun	'n	Aug	Sep	Oct	Nov	Dec	Limit
Avg Treated Flow (m3/d)	Avg												A Commission and Market Confession Commission Commissio	0.00
Max Treated Flow (m3/d)	Max													0.00
Total Treated Flow (m3/d)	Total													0.00
Treated Quality		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Limit
BOD5/CBOD5 (mg/L)	Avg												***************************************	0.00
SS (mg/L)	Avg													0.00
TP (mg/L)	Avg													0.00





2004 Client Monthly Operations Report The Nation Municipality St. Albert Wastewater Lagoon & Collection System

Reunion Conseil 14 62/05 Council Mig —

Action -

Clerk Greffier

Hub Name: Facility Type: Alfred Hub Municipal

Classsification

Class 2 Wastewater Collection, Class 1 Wastewater Treatment

Title Holder: Operation Status:

Municipality **OCWA**

Operator Manager: Asst. Ops. Mgr.

Jacques Breen, (613) 679-4631 Harold Wilkinson, (613) 679-4631 John Kingsbury, (613) 774-3663

Client Service Rep Capacity(m3/d):

720

Service Area:

Village of St. Albert

Service Population: Inservice Date:

1000 1995

Operational Description:

One Pumping Station and a three Cell Lagoon plus one Aeration Cell with continuous Phosphorous Removal and Discharged

Treatment Process

Major Process:

Phosphorus Removal:

Continuous

Additional Treatment:

Discharge Mode:

Effluent Disinfection Practice:

Sludge Stabilization: Sludge Disposal:

Annual discharge

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Performance Data and Compliance

Influent Flow Data	and the second s	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Lim
Avg. Raw Flow (m3/d)	Avg	336.77	353.45	344.94	390.57	418.58	358.77	338.68	330.55	251.47	178.74	225.80	261.97	0.0
Max Raw Flow (m3/d)	Max	384.00	439.00	572.00	442.00	483.00	396.00	350.00	447.00	366.00	206.00	327.00	327.00	0.0
Total Raw Flow (m3/d)	Total	10,440.00	10,250.00	10,693.00	11,717.00	12,976.00	10,763.00	10,499.00	10,247.00	7,544.00	5,541.00	6,774.00	8,121.00	0.0
Influent Quality		Jan	Feb	Mar	Apr	May	Jun	J.J.	Aug	Sep	Oct	Nov	Dec	Limi
BOD5/CBOD5 (mg/L)	Avg	175.00	126.00	96.00	108.00	375.00	91.00	150.00	127.00	130.00	619.00	137.00	117.00	0.0
SS (mg/L)	Avg	168.00	128.00	116.00	160.00	320.00	108.00	128.00	130.00	76.00	165.00	86.00	132.00	0.0
TP (mg/L)	Avg	22.00	15.70	8.91	10.50	7.17	13.80	24.40	6.21	5.00	24.80	6.37	6.77	0.0
Treated Flow Data		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Limi
Avg Treated Flow (m3/d)	Avg			10,610.78	1,978.31									0.0
Max Treated Flow (m3/d)	Max			15,552.00	2,457.75									0.0
Total Treated Flow (m3/d)	Total			106,107.82	53,414.37									0.00
Treated Quality		Jan	Feb	War	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Limi
BOD5/CBOD5 (mg/L)	Avg			9.33	2.50									0.00
SS (mg/L)	Avg			17.33	8.00									0.00
TP (mg/L)	Avg			0.52	0.23									0.00
Comments	***************************************	houseau and Mildelless and Mildelles	angen, Maddina ang an Madhana an ana ang an an			***************************************		***************************************		***************************************	······································	· · · · · · · · · · · · · · · · · · ·	***************************************	n.Triberrormanes d'ENVerentes en

<General>

[03/02/2004] Started aeration blowers.
[03/16/2004] Collected preliminary samples of cells content B, C and D.
[03/22/2004] Started Lagoon Discharge.
[04/27/2004] Last day of the Annual Lagoon discharge. All 5 sets of sampled have been collected.



2004 Client Monthly Operations Report The Nation Municipality

St. Albert Wastewater Lagoon & Collection System

Réunion Conseil 24 01 05

Action Clerk Clerk Greffier



Hub Name: Facility Type: Alfred Hub Municipal

Classsification

Class 2 Wastewater Collection, Class 1 Wastewater Treatment

Title Holder: Operation Status: Municipality OCWA

Operator Manager:

Jacques Breen, (613) 679-4631 Harold Wilkinson, (613) 679-4631 John Kingsbury, (613) 774-3663

Asst. Ops. Mgr. Client Service Rep Capacity(m3/d):

720

Service Area:

Village of St. Albert

Service Population: Inservice Date: 1000 1995

Operational Description:

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Treatment Process

Major Process:

Phosphorus Removal:

Continuous

Additional Treatment: Discharge Mode:

Annual discharge

Effluent Disinfection Practice:

Sludge Stabilization: Sludge Disposal:

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	88	38	37	ŵ	▧	æ	2	Š.	×	8	۵	X.		3		œ.	m	×	S.	i	à	86	ĸ.	86	×	20	33	ŵ	88	200	ŝ.	SS.	di.	Š.	8.	m	Мě	à	m	8	20	26	dia.	8

Influent Flow Data		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Limit
Avg. Raw Flow (m3/d)	Avg	336.77	353.45	344.94	390.57	418.58	358.77	338.68	330,55	251.47	178.74	225.80		0.00
Max. Raw Flow (m3/d)	Max	384.00	439.00	572.00	442.00	483.00	396.00	350.00	447.00	366.00	206.00	327.00		0.00
Total Raw Flow (m3/d)	Total	10,440.00	10,250.00	10,693.00	11,717.00	12,976.00	10,763.00	10,499.00	10,247.00	7,544.00	5,541.00	6,774.00		0.00
Influent Quality		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Limit
BOD5/CBOD5 (mg/L)	Avg	175.00	126.00	96.00	108.00	375.00	91.00	150.00	127.00	130.00	619.00	137.00		0.00
SS (mg/L)	Avg	168.00	128.00	116.00	160.00	320.00	108.00	128.00	130.00	76.00	165.00	86.00		0.00
TP (mg/L)	Avg	22.00	15.70	8.91	10.50	7.17	13.80	24.40	6.21	5.00	24.80	6.37		0.00
Treated Flow Data		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Limit
Avg Treated Flow (m3/d)	Avg			10,610.78	1,978.31									0.00
Max Treated Flow (m3/d)	Max			15,552.00	2,457.75									0.00
Total Treated Flow (m3/d)	Total			106,107.82	53,414.37									0.00
Treated Quality		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Limit
BOD5/CBOD5 (mg/L)	Avg			9.33	2.50									0.00
SS (mg/L)	Avg			17.33	8.00									0.00
TP (mg/L)	Avg			0.52	0.23									0.00
Comments	***************************************	**************************************				***************************************							······································	***************************************

<General>

[03/02/2004] Started aeration blowers.
[03/16/2004] Collected preliminary samples of cells content B, C and D.
[03/22/2004] Started Lagoon Discharge.
[04/27/2004] Last day of the Annual Lagoon discharge. All 5 sets of sampled have been collected.



2004 Client Monthly Operations Report The Nation Municipality

St. Albert Wastewater Lagoon & Collection System

NOV 2 9 2004

Council Mtg 6 12 10 4

lity Description

Hub Name: Facility Type: Alfred Hub Municipal

Classsification

Class 2 Wastewater Collection, Class 1 Wastewater Treatment

Title Holder: Operation Status: Municipality **OCWA**

Operator Manager: Asst. Ops. Mgr.

Jacques Breen, (613) 679-4631 Harold Wilkinson, (613) 679-4631

Client Service Rep

John Kingsbury, (613) 774-3663

Capacity(m3/d):

720

Service Area:

Village of St. Albert

Service Population: Inservice Date:

1000 1995

Operational Description:

One Pumping Station and a three Cell Lagoon plus one Aeration Cell with continuous Phosphorous Removal and Discharged Annually.

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Major Process:

Phosphorus Removal:

Continuous

Additional Treatment:

Discharge Mode:

Annual discharge

Effluent Disinfection Practice:

Sludge Stabilization: Sludge Disposal:

Influent Flow Data		Jan	Feb	Mar	Apr	May	Jun	ᇪ	Aug	Sep	Oct	Nov	Dec	Lim
Avg. Raw Flow (m3/d)	Avg	336.77	353.45	344.94	390.57	418.58	358.77	338.68	330.55	251.47	178.74			0.0
Max Raw Flow (m3/d)	Max	384.00	439.00	572.00	442.00	483.00	396.00	350.00	447.00	366.00	206.00			0.0
Total Raw Flow (m3/d)	Total	10,440.00	10,250.00	10,693.00	11,717.00	12,976.00	10,763.00	10,499.00	10,247.00	7,544.00	5,541.00			0.0
Influent Quality		Jan	Felo	Mar	Apr	May	Jun	'n	Aug	Sep	Oct	Nov	Dec	Lim
BOD5/CBOD5 (mg/L)	Avg	175.00	126.00	96.00	108.00	375.00	91.00	150.00	127.00	130.00	619.00			0.0
SS (mg/L)	Avg	168.00	128.00	116.00	160.00	320.00	108.00	128.00	130.00	76.00	165.00			0.0
TP (mg/L)	Avg	22.00	15.70	8.91	10.50	7.17	13.80	24.40	6.21	5.00	24.80			0.0
Treated Flow Data		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	œt	Nov	Dec	Lim
Avg Treated Flow (m3/d)	Avg			10,610.78	1,978.31									0.0
Max Treated Flow (m3/d)	Max			15,552.00	2,457.75									0.0
Total Treated Flow (m3/d)	Total			106,107.82	53,414.37									0.0
Treated Quality		Jan	Feb	Mar	Apr	May	Jin	Jul	Aug	Sep	Oct	Nov	Dec	Lim
BOD5/CBOD5 (mg/L)	Avg			9.33	2.50									0.0
SS (mg/L)	Avg			17.33	8.00									0.0
TP (mg/L)	Avg			0.52	0.23									0.0

<General>

[03/02/2004] Started aeration blowers.
[03/16/2004] Collected preliminary samples of cells content B, C and D.
[03/22/2004] Started Lagoon Discharge.
[04/27/2004] Last day of the Annual Lagoon discharge. All 5 sets of sampled have been collected.



2004 Client Monthly Operations Report The Nation Municipality - St. Albert Wastewater

St. Albert Wastewater Lagoon & Collection System

Réunion Conseil 8 10 09
Council Mtg D M VR
Action
Clerk
Greffier

Hub Name: Facility Type: Alfred Hub

Classsification

Municipal

Title Holder:

Class 2 Wastewater Collection, Class 1 Wastewater Treatment

Operation Status:

Municipality **OCWA**

Operator Manager: Asst. Ops. Mgr.

Jacques Breen, (613) 679-4631 Harold Wilkinson, (613) 679-4631

Client Service Rep Capacity(m3/d):

John Kingsbury, (613) 774-3663 720

Service Area:

Village of St. Albert

Service Population: Inservice Date:

1000 1995

Operational Description:

One Pumping Station and a three Cell Lagoon plus one Aeration Cell with continuous Phosphorous Removal and Discharged Annually.

Major Process:

Phosphorus Removal:

Continuous

Additional Treatment: Discharge Mode:

Effluent Disinfection Practice:

Sludge Stabilization: Sludge Disposal:

Annual discharge

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Influent Flow Data		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Limi
Avg. Raw Flow (m3/d)	Avg	336.77	353.45	344.94	390.57	418.58	358.77	338.68	330.55					0.00
Max. Raw Flow (m3/d)	Max	384.00	439.00	572.00	442.00	483.00	396.00	350.00	447.00					0.00
Total Raw Flow (m3/d)	Total	10,440.00	10,250.00	10,693.00	11,717.00	12,976.00	10,763.00	10,499.00	10,247.00					0.00
Influent Quality		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Limi
BOD5/CBOD5 (mg/L)	Avg	175.00	126.00	96.00	108.00	375.00	91.00	150.00	127.00					0.00
SS (mg/L)	Avg	168.00	128.00	116.00	160.00	320.00	108.00	128.00	130.00					0.00
TP (mg/L)	Avg	22.00	15.70	8.91	10.50	7.17	13.80	24.40	6.21					0.00
Treated Flow Data		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Limit
Avg Treated Flow (m3/d)	Avg			10,610.78	1,978.31									0.00
Max Treated Flow (m3/d)	Max			15,552.00	2,457.75									0.00
Total Treated Flow (m3/d)	Total			106,107.82	53,414.37									0.00
Treated Quality		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Limit
BOD5/CBOD5 (mg/L)	Avg			9.33	2.50									0.00
SS (mg/L)	Avg			17.33	8.00									0.00
TP (mg/L)	Avg			0.52	0.23									0.00
Comments						·····	······································					***************************************	······	***************************************

<General>

[03/02/2004] Started aeration blowers.
[03/16/2004] Collected preliminary samples of cells content B, C and D.
[03/22/2004] Started Lagoon Discharge.
[04/27/2004] Last day of the Annual Lagoon discharge. All 5 sets of sampled have been collected.



2003 Client Monthly Operations Report The Nation Municipality - St. Albert Wastewater

St. Albert Wastewater Lagoon & Collection System



Hub Name: Facility Type:

Alfred Hub Municipal

Classsification

Class 2 Wastewater Collection, Class 1 Wastewater Treatment

Title Holder:

Municipality

Operation Status: Operator Manager: **OCWA** Jacques Breen, (613) 679-4631

Asst. Ops. Mgr. Client Service Rep

Harold Wilkinson, (613) 679-4631 John Kingsbury, (613) 774-3663

Capacity(m3/d):

720

Service Area:

Village of St. Albert

Service Population:

1000

Inservice Date:

1995

Operational Description:

One Pumping Station and a three Cell Lagoon plus one Aeration Cell with continuous Phosphorous Removal and Discharged Annually.

Treatment Process

Major Process:

Phosphorus Removal:

Continuous

Additional Treatment:

Discharge Mode:

Annual discharge

Effluent Disinfection Practice:

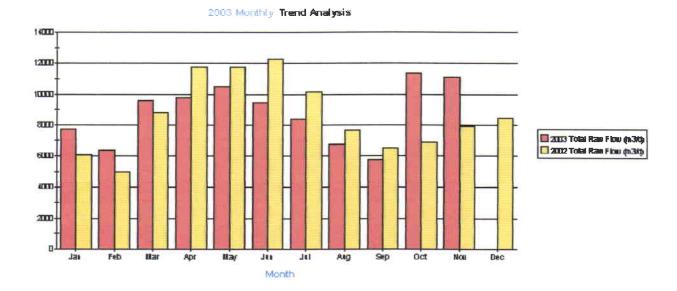
Sludge Stabilization:

Sludge Disposal:



Performance Data an	d Compliance													
Influent Flow Data		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Lim
Avg. Raw Flow (m3/d)	Avg	250 29	228.54	310.34	325 23	339.00	316.17	270.45	219. 16	191 37	367.68	371.60		0,0
Max. Raw Flow (m3/d)	Max	281 00	237.00	408.00	371.00	475.00	370.00	291.00	277.00	330.00	585.00	503.00		0.0
Total Raw Flow (m3/d)	Total	7,759,00	6,399.00	9,620.40	9,757.00	10,509.00	9,485,00	8,384.00	6,794.00	5,741.00	11,398.00	11,148.00		0 0
Influent Quality		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Lim
BOD5/CBOD5 (mg/L)	Avg	161.00	101.00	124.00	125.00	68.00	86.00	241.00	202.00	165.00	108.00	51.00		0.0
SS (mg/L)	Avg	410.00	133.00	92.00	136.00	224.00	204.00	244.00	248.00	70.00	128.00	136.00		0.0
TP (mg/L)	Avg	10.70	16.00	19.40	7.77	8.16	9.66	11.40	7.32	4.30	7.84	5.65		0.0
Treated Flow Data		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Lin
Avg Treated Flow (m3/d)	Avg				3,807.43									0.0
Max Treated Flow (m3/d)	Max				4,665.60									0.0
Total Treated Flow (m3/d)	Total				53,304.00									0.0
Treated Quality		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Lin
BOD5/CBOD5 (mg/L)	Avg			4.67	0.50									
SS (mg/L)	Avg			12.33	8.50									0.0
TP (mg/L)	Avg			0.25	0.39									0.0

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May 2003 Operations Report

The Nation Municipality - St. Albert Wastewater

St. Albert Wastewater Lagoon & Collection System



Hub Name: Classsification

Alfred Hub

Facility Type: Class 2 Wastewater Collection, Class 1 Wastewater Treatment

Municipal Title Holder:

Municipality **OCWA**

Operation Status: Operator Manager:

Jacques Breen, (613) 679-4631

Asst. Ops. Mgr. Harold Wilkinson, (613) 679-4631

John Kingsbury, (613) 774-3663

Client Service Rep Capacity(m3/d):

720

Service Area:

Village of St. Albert

Service Population: Inservice Date:

1000 1995

Operational Description:

One Pumping Station and a three Cell Lagoon plus one Aeration Cell with continuous Phosphorous Removal and Discharged

Treatment Process

Major Process:

Phosphorus Removal: Additional Treatment:

Continuous

Discharge Mode:

Annual discharge

Effluent Disinfection Practice: Sludge Stabilization:

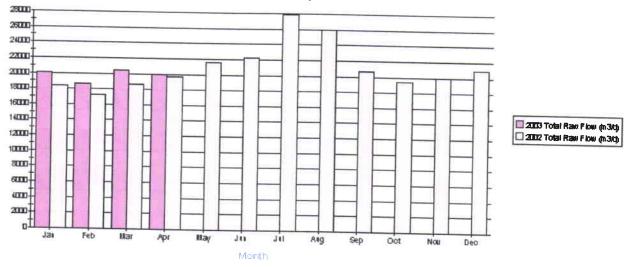
Sludge Disposal:

Performance Data and Compliance

Influent Flow Data		Jan	Feb	Mar	Apr
Avg. Raw Flow (m3/d) Max. Raw Flow (m3/d) Total Raw Flow (m3/d)	Avg Max Total	250.29 281.00 7,759.00	228.54 237.00 6,399.00	310.34 408.00 9,620.40	325.23 371.00 9,757.00
Influent Quality		Jan	Feb	Mar	Apr
BOD5/CBOD5 (mg/L) SS (mg/L) TP (mg/L)	Avg Avg Avg	161.00 410.00 10.70	101.00 133.00 16.00	124.00 92.00 19.40	125.00 136.00 7.77
Treated Flow Data		Jan	Feb	Mar	Арг
Avg Treated Flow (m3/d) Max Treated Flow (m3/d) Total Treated Flow (m3/d)	Avg Max Total				3,807.43 4,665.60 53,304.00
Treated Quality		Jan	Feb	Mar	Apr
BOD5/CBOD5 (mg/L) SS (mg/L) TP (mg/L)	Avg Avg Avg			4.67 12.33 0.25	0.50 8.50 0.39

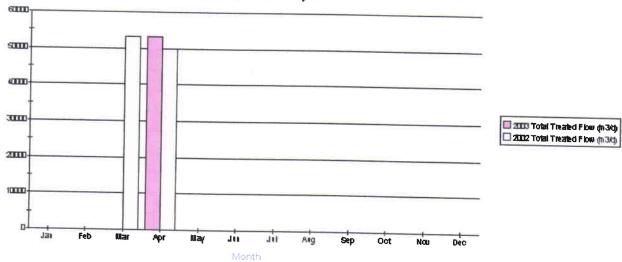
Total Raw Flow





Total Treated Flow

2003 Monthly Trend Analysis





2003 Monthly Operations Report

The Nation Municipality - St. Albert Wastewater

St. Albert Wastewater Lagoon & Collection System

Hub Name: Classsification

Facility Type: Class 2 Wastewater Collection, Class 1 Wastewater Treatment Municipal

Operation Status: Title Holder:

Operator Manager: Client Service Rep

Service Area: Service Population: Capacity(m3/d):

John Kingsbury, (613) 774-3663 Asst. Ops. Mgr. Harold Wilkinson, (613) 679-4631 720

Jacques Breen, (613) 679-4631

Municipality Alfred Hub

OCWA

Village of St. Albert 1000 1995

Inservice Date:

Operational Description:

One Pumping Station and a three Cell Lagoon plus one Aeration Cell with continuous Phosphorous Removal and Discharged Annually.

Treatment Process

Major Process:
Phosphorus Removal:
Additional Treatment:
Discharge Mode:
Effluent Disinfection Practice:
Sludge Stabilization;
Sludge Disposal:

Annual discharge

Continuous

Performance Data and Compliance

Mar	310.34 408.00 9,620.40	Mar	124.00 92.00 19.40
Feb	228.54 237.00 6 _, 399.00	Feb	101.00 133.00 16.00
Jan	250.29 281.00 7,759.00	Jan	161.00 410.00 10.70
	Avg Max Total		Avg Avg Avg
Influent Flow Data	Avg. Raw Flow (m3/d) Max. Raw Flow (m3/d) Total Raw Flow (m3/d)	Influent Quality	BOD5/CBOD5 (mg/L) SS (mg/L) TP (mg/L)

2003 Monthly Trend Analysis

