Appendix A
Nova Scotia Environment and Labour Well Database Excerpts

NOVA SCOTIA
Environment and Labour

Well Report

(Summary Log)

NSEL Well No. 962294
Well Type DRILLED

Certified Well Contractor

Name: JOHNSON, GREGORY I.
Certificate No.: 6
Company: HUB WELL DRILLING LTD.

Well Owner/Contractor Information

Well Drilled For: Owner: BAXTERS DAIRY FOOD PLANT
or Contractor/Builder/Consultant, etc.:
Civic Address of Well: JOE ZATZMAN DRIVE, BURNSIDE PARK
Lot Number: Subdivision:
County: HALIFAX Postal Code:
Nearest Community in Altlas/Map Book: BURNSIDE

Well Location

NS Atlas or Map Book Reference :
Atlas or Map Book:
Map Page No.: 24
Reference Letter: A
Reference Number: 4
Roamer Letter: H
Roamer Number: 16

NTS Map Reference :
Map Sheet:
Reference Map:
Tract No.:
Claim:

GPS (WGS84 UTM) :
Northing (m):
Easting (m):
Property (PID):
Well Location Sketch Available:

Depth in feet | Primary Lithology | Secondary Lithology

From	To	Colour 1	Description 1	Lithology 1	Colour 2	Description 2	Lithology 2	Water Found
0	1							
1	10			BOULDER			GRAVEL	
10	17			QUARTZITE				
17	325			QUARTZITE				
325	350			QUARTZITE				
350	362			QUARTZITE				

Well Construction Information

Total depth below surface (ft): 362
Depth to bedrock (ft):
Water bearing fractures encountered at (ft): 215, 350
Outer Well Casing:
From (ft): To (ft): 20
Diameter (in): 6
Length of casing above ground :
(ft): (in):
Driveshoe make:

Dug Well Information

Depth of liner (crock) (ft):
Reservoir material:
Reservoir vol. (cu.yd):
Reservoir material size:
Apron Material:
Apron depth (ft):
Apron thickness (ft):
Apron width (ft):
Apron volume (cu.yd):
Bottom material:

Water Yield

Estimated Yield (igpm):
Method: AIR LIFT
Rate (igpm): 12
Duration (hrs):
Depth to water at end of test (ft):
Total drawdown (ft):
Water level recovered to (ft):
Recovery time (hrs):
Depth to static level (ft):
Overflow:

Comments: WATER OVERFLOWING AT 1 GP

Well Status/Water Use/Date Completed

Final status of well: WATER SUPPLY WELL
Water use: INDUSTRIAL
Method of drilling:
Date well completed: 05-Nov-96

NOVA SCOTIA
Environment and Labour

Well Report

(Summary Log)

NSEL Well No. 990609
Well Type DRILLED

Certified Well Contractor

Name: JACOBS, RALPH
Certificate No.: 228
Company: BLUENOSE WELL DRILLING LTD

Well Owner/Contractor Information

Well Drilled For: Owner: MILLER WASTE SYSTEMS
or Contractor/Builder/Consultant, etc.:
Civic Address of Well: 80 GLORIA MCCLUSKEY DRIVE
Lot Number: Subdivision:
County: HALIFAX Postal Code:
Nearest Community in Altlas/Map Book: DARTMOUTH

Well Location

NS Atlas or Map Book Reference :
Atlas or Map Book:
Map Page No.: 24
Reference Letter: A
Reference Number: 5
Roamer Letter: J
Roamer Number: 8

NTS Map Reference :
Map Sheet:
Reference Map:
Tract No.:
Claim:

GPS (WGS84 UTM) :
Northing (m):
Easting (m):
Property (PID):
Well Location Sketch Available:

Depth in feet | Primary Lithology | Secondary Lithology

From	To	Colour 1	Description 1	Lithology 1	Colour 2	Description 2	Lithology 2	Water Found
0	11			GRAVEL				
11	267			QUARTZITE				

Well Construction Information

Total depth below surface (ft): 267
Depth to bedrock (ft):
Water bearing fractures encountered at (ft): 180, 261
Outer Well Casing:
From (ft): To (ft): 40
Diameter (in): 6
Length of casing above ground :
(ft): (in):
Driveshoe make:

Dug Well Information

Depth of liner (crock) (ft):
Reservoir material:
Reservoir vol. (cu.yd):
Reservoir material size:
Apron Material:
Apron depth (ft):
Apron thickness (ft):
Apron width (ft):
Apron volume (cu.yd):
Bottom material:

Water Yield

Estimated Yield (igpm):
Method: AIR LIFT
Rate (igpm): 7
Duration (hrs):
Depth to water at end of test (ft):
Total drawdown (ft):
Water level recovered to (ft):
Recovery time (hrs):
Depth to static level (ft): 15
Overflow:

Comments: SKETCH

Well Status/Water Use/Date Completed

Final status of well: WATER SUPPLY WELL
Water use: COMMERCIAL
Method of drilling:
Date well completed: 27-Aug-99

NOVA SCOTIA
Environment and Labour

Well Report

(Summary Log)

NSEL Well No. 750635
Well Type DRILLED

Certified Well Contractor

Name: VERGE, H. W.
Certificate No.: 13
Company:

Well Owner/Contractor Information

Well Drilled For: Owner: MR DEVEAU
or Contractor/Builder/Consultant, etc.:
Civic Address of Well: 389 WINDMILL ROAD, DARTMOUTH
Lot Number: Subdivision:
County: HALIFAX Postal Code:
Nearest Community in Altlas/Map Book:

Well Location

NS Atlas or Map Book Reference :
Atlas or Map Book: MAP
Map Page No.: 24
Reference Letter: A
Reference Number: 5
Roamer Letter: H
Roamer Number: 9

NTS Map Reference :
Map Sheet:
Reference Map:
Tract No.:
Claim:

GPS (WGS84 UTM) :
Northing (m): 4947802
Easting (m): 452702
Property (PID):
Well Location Sketch Available:

Depth in feet | Primary Lithology | Secondary Lithology

From	To	Colour 1	Description 1	Lithology 1	Colour 2	Description 2	Lithology 2	Water Found
0	26			STONE & CLAY				
26	122			SLATE				

Well Construction Information

Total depth below surface (ft): 28
Depth to bedrock (ft):
Water bearing fractures encountered at (ft):
Outer Well Casing:
From (ft): 6.3 To (ft):
Diameter (in):
Length of casing above ground :
(ft): (in):
Driveshoe make: UNKNOWN

Dug Well Information

Depth of liner (crock) (ft):
Reservoir material:
Reservoir vol. (cu.yd):
Reservoir material size:
Apron Material:
Apron depth (ft):
Apron thickness (ft):
Apron width (ft):
Apron volume (cu.yd):
Bottom material:

Water Yield

Estimated Yield (igpm):
Method:
Rate (igpm): 1
Duration (hrs):
Depth to water at end of test (ft): 92
Total drawdown (ft):
Water level recovered to (ft):
Recovery time (hrs):
Depth to static level (ft):
Overflow:

Comments:

Well Status/Water Use/Date Completed

Final status of well:
Water use: DOMESTIC
Method of drilling: DRILLED
Date well completed: 04-Nov-75

NOVA SCOTIA
Environment and Labour

Well Report

(Summary Log)

NSEL Well No. 730693
Well Type DRILLED

Certified Well Contractor

Name: VERGE, H. W.
Certificate No.: 13
Company:

Well Owner/Contractor Information

Well Drilled For: Owner: DONALD DAY
or Contractor/Builder/Consultant, etc.:
Civic Address of Well: 365 WINDMILL ROAD
Lot Number: Subdivision:
County: HALIFAX Postal Code:
Nearest Community in Altlas/Map Book: WAVERLEY

Well Location

NS Atlas or Map Book Reference :
Atlas or Map Book: MAP
Map Page No.: 24
Reference Letter: A
Reference Number: 5
Roamer Letter: H
Roamer Number: 9

NTS Map Reference :
Map Sheet:
Reference Map:
Tract No.:
Claim:

GPS (WGS84 UTM) :
Northing (m): 4947676
Easting (m): 452784
Property (PID):
Well Location Sketch Available: ☐

Depth in feet / Primary Lithology / Secondary Lithology

From	To	Colour 1	Description 1	Lithology 1	Colour 2	Description 2	Lithology 2	Water Found
0	14			STONE				☐
14	140			QUARTZITE				☐

Well Construction Information

Total depth below surface (ft): 140
Depth to bedrock (ft): 14
Water bearing fractures encountered at (ft): 12
Outer Well Casing:
From (ft): 15 To (ft):
Diameter (in):
Length of casing above ground :
(ft): (in):
Driveshoe make: UNKNOWN

Dug Well Information

Depth of liner (crock) (ft):
Reservoir material:
Reservoir vol. (cu.yd):
Reservoir material size:
Apron Material:
Apron depth (ft):
Apron thickness (ft):
Apron width (ft):
Apron volume (cu.yd):
Bottom material:

Water Yield

Estimated Yield (igpm):
Method:
Rate (igpm): 0.5
Duration (hrs):
Depth to water at end of test (ft):
Total drawdown (ft):
Water level recovered to (ft):
Recovery time (hrs):
Depth to static level (ft):
Overflow: ☐

Comments: BAILED DRY 3 TIMES AND RECOVERED OVER NIGHT.

Well Status/Water Use/Date Completed

Final status of well:
Water use: DOMESTIC
Method of drilling: DRILLED
Date well completed: 14-Mar-73

NOVA SCOTIA
Environment and Labour

Well Report

(Summary Log)

NSEL Well No. 752062
Well Type DRILLED

Certified Well Contractor

Name: EDWARDS, HARRY A.
Certificate No.: 83
Company: H. J. EDWARDS WELL DRILLING LTD.

Well Owner/Contractor Information

Well Drilled For: Owner: DISET LUMBER CO
or Contractor/Builder/Consultant, etc.:
Civic Address of Well: 289 WINDMILL ROAD
Lot Number: Subdivision:
County: HALIFAX Postal Code:
Nearest Community in Altlas/Map Book:

Well Location

NS Atlas or Map Book Reference :
Atlas or Map Book: MAP
Map Page No.: 24
Reference Letter: A
Reference Number: 5
Roamer Letter: J
Roamer Number: 10

NTS Map Reference :
Map Sheet:
Reference Map:
Tract No.:
Claim:

GPS (WGS84 UTM) :
Northing (m): 4947186
Easting (m): 453148
Property (PID):
Well Location Sketch Available:

Depth in feet / Primary Lithology / Secondary Lithology

From	To	Colour 1	Description 1	Lithology 1	Colour 2	Description 2	Lithology 2	Water Found
0	15			GRAVEL & SAND				
15	72			SLATE				

Well Construction Information

Total depth below surface (ft): 78
Depth to bedrock (ft): 15
Water bearing fractures encountered at (ft): 62
Outer Well Casing:
From (ft): 6 To (ft): 21
Diameter (in): 6
Length of casing above ground :
(ft): (in):
Driveshoe make: UNKNOWN

Dug Well Information

Depth of liner (crock) (ft):
Reservoir material:
Reservoir vol. (cu.yd):
Reservoir material size:
Apron Material:
Apron depth (ft):
Apron thickness (ft):
Apron width (ft):
Apron volume (cu.yd):
Bottom material:

Water Yield

Estimated Yield (igpm):
Method:
Rate (igpm): 2
Duration (hrs): 2.5
Depth to water at end of test (ft):
Total drawdown (ft): 28
Water level recovered to (ft): 62
Recovery time (hrs): 2
Depth to static level (ft):
Overflow:

Comments:

Well Status/Water Use/Date Completed

Final status of well:
Water use:
Method of drilling: ROTARY
Date well completed: 05-Mar-75

Appendix B
Archaeological Potential Assessment

CRM Group
Cultural Resource Management Group Ltd

Archaeological Assessment
Heritage Resource Planning
Cultural Heritage Conservation
Site Interpretation & Development

July 14, 2005

DILLON CONSULTING LIMITED
137 Chain Lake Drive
Halifax, Nova Scotia
B3S 1B3

Attn: Patricia Patterson
Environmental Planner

Burnside Bio-Medical Facility on Wright Avenue: Archaeological Potential

In response to our conversation of Tuesday, July 12, Cultural Resource Management (CRM) Group undertook a formal review of the archaeological implications of the proposal to establish a bio-medical waste management facility at 45 Wright Avenue in Burnside Industrial Park.

In recent years, CRM Group has undertaken extensive archaeological potential modelling and preconstruction assessment within Burnside Industrial Park (Heritage Research Permit Number A2001NS12: Sempra Atlantic Gas). Based on the archaeological potential model, it was determined that the majority of Burnside Industrial Park exhibited Low Archaeological Potential. Field verification of the model confirmed the overall low potential attributed to the park and identified extensive landscape disturbance resulting from initial development of the park. For these reasons, Burnside Industrial Park was downgraded to the level of No Archaeological Potential.

Based on a cursory inspection of the property, it is evident that the designation of No Archaeological Potential applies to the site at 45 Wright Avenue. On this basis, CRM Group concludes that there is no threat of archaeological impacts associated with the proposed undertaking and recommends archaeological clearance of the project.

If you have any questions with regard to our recommendation, please do not hesitate to contact the undersigned.

Yours truly,

CULTURAL RESOURCE MANAGEMENT GROUP

W. Bruce Stewart, MA, CAPHC
President and Senior Consultant

6040 Almon Street • Halifax • Nova Scotia • Canada • B3K 1T8 Tel: (902) 453-4972 • Fax: (902) 446-3066 • Web Site: www.crmgroup.ca

Appendix C
Process Equipment Photographs

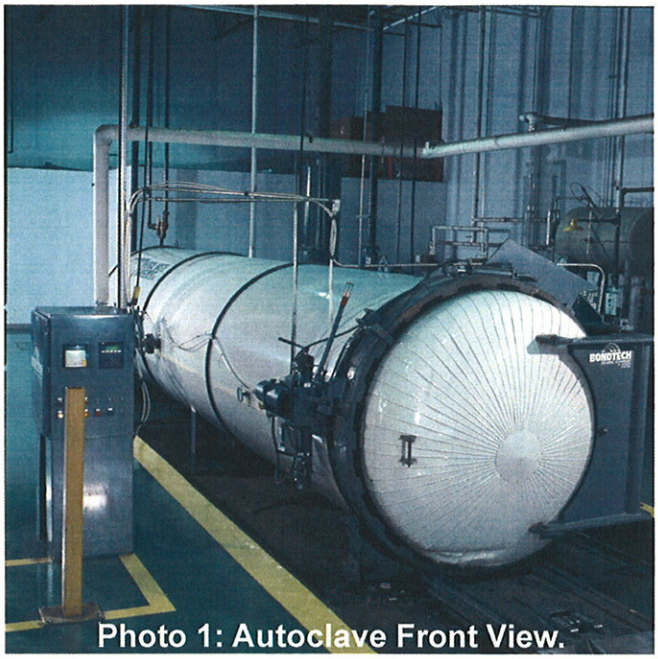

Photo 1: Autoclave Front View.

Photo 2: Autoclave Side View.


Photo 3: Shredder & Compactor.


Photo 4: Floor Scale & Processing Centre.

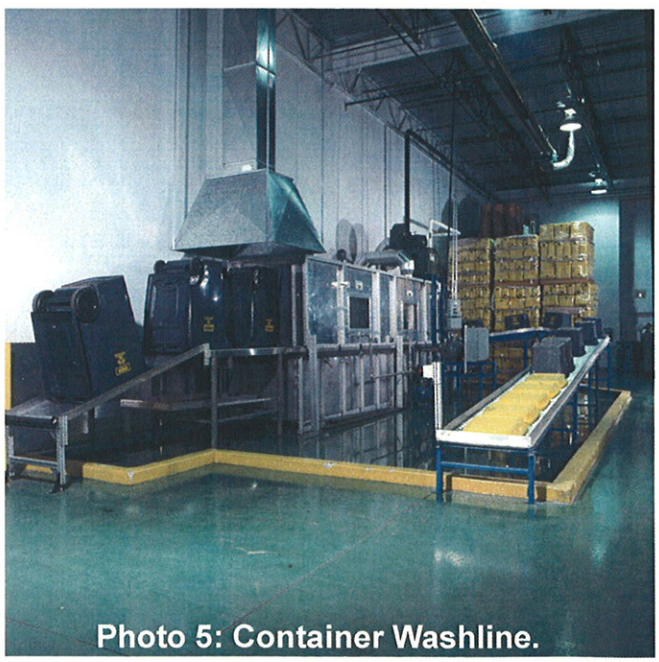
Photo 5: Container Washline.

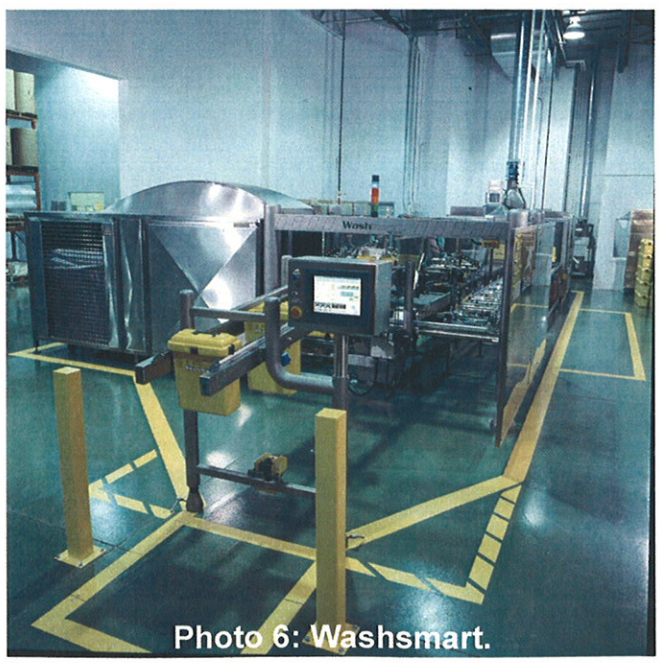
Photo 6: Washsmart.

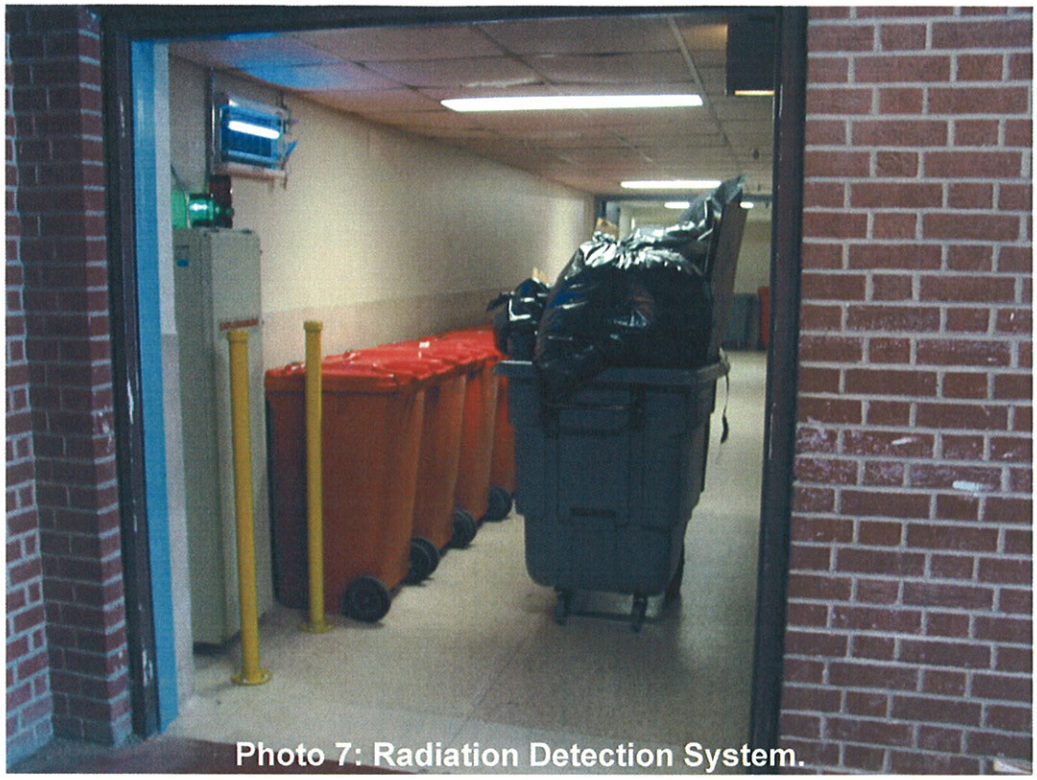

Photo 7: Radiation Detection System.

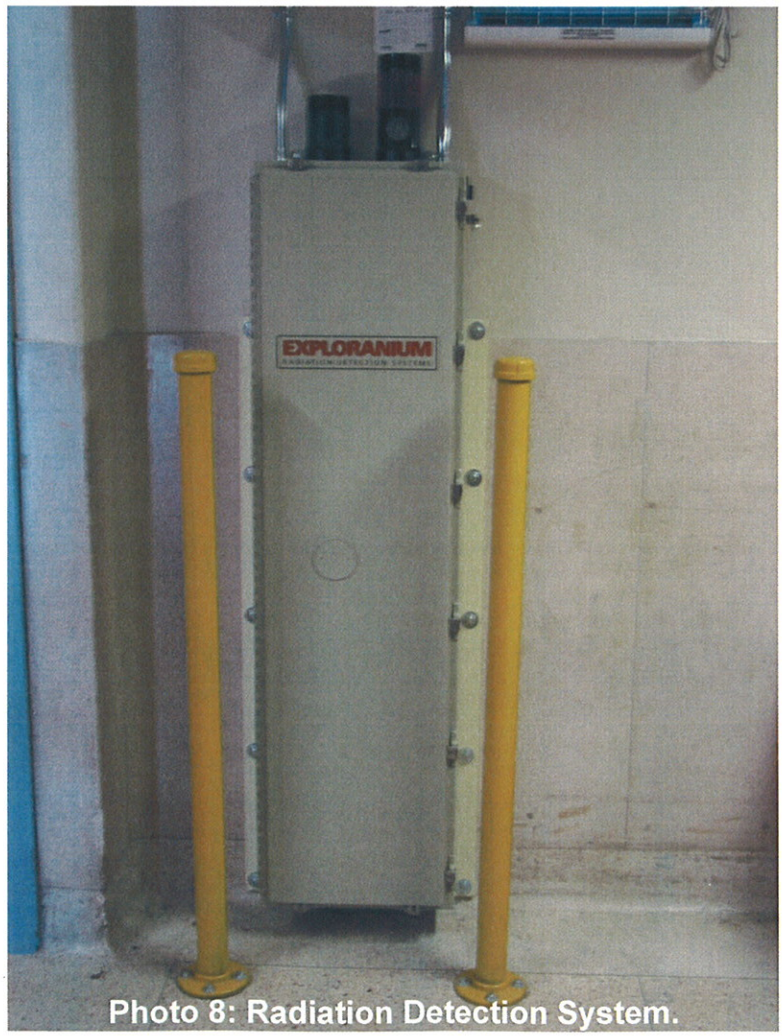

Photo 8: Radiation Detection System.