

**ASBESTOS ABATEMENT AIR MONITORING REPORT  
THREE OAKS SENIOR HIGH SCHOOL – SUMMERSIDE, PE**

Client: PEI Dept. of Transportation, Infrastructure & Energy  
P.O. Box 2000  
Charlottetown, PEI  
C1A 7N8  
Attn: Tyler Richardson

Date: July 16<sup>th</sup>, 2018  
Project No.: PE7056  
Location: Block A  
Report No.: 143

**1. Details To Be Noted:**

On July 16<sup>th</sup>, 2018 ALL-TECH Environmental Services conducted clearance sampling of the work area in Block A (2A1) for airborne asbestos fibres.

During the shift the contractor had completed removing asbestos containing ductwork within 2A1.

One (1) clearance sample was collected in the work area in 2A1.

Refer to sections 2 – 9 for daily inspection checklist.

**2. Air Monitoring Results:**

Sample Number	Time of Collection (am/pm)	Sample Duration (Min.)	Flow Rate (L/m)	Pump ID	Sample Volume (Litres)	Sample Location / *Sample Description	Reported Results (f/cc)
vD-308	11:35 (am)	70	12	R-4	840	Block A (2A1) 2 <sup>nd</sup> Level Room # 604 * Clearance Sample	N/D

**ND** None Detected

✓ Air monitoring results were acceptable at the time of sampling and within regulations set by PEI Occupational Health & Safety Act. The current Threshold Limit Value (TLV) for all forms of asbestos is set by the American Conference of Governmental Industrial Hygienists (ACGIH) is 0.1 fibres per cubic centimetre (f/cc)

During sample collection and analysis, the NIOSH 7400 Method was followed. The samples were collected on 3 piece, 25mm cellulose ester sampling cassettes with a pore size of 0.8µ m.

The above noted samples were analyzed using the NIOSH 7400 Method, (Asbestos and Other Fibres by PCM) following “A” counting rules. NIOSH states in the section titled “Applicability” that “this method gives an index of airborne fibres. It is primarily used for estimating asbestos concentrations, though PCM does not differentiate between asbestos and other fibres. This method will not detect fibres < 0.25µ m in diameter.

**3. Site Conditions (Enclosures)**

Penetrations Observed	NO
Repairs Required	NO
Prompt Response	N/A

#### 4. Negative Air Pressure

Number of Units Operating Effectively	N/A
Minimum -0.02" H <sub>2</sub> O Maintained	N/A
Filters Inspected and Changed as Required	√

#### 5. Personal Protective Equipment

Powered Air Purifying Respirators with HEPA Filters	√
Disposable Coveralls	√
CSA Safety Boots	√

#### 6. Dust Control

Wet Wiping Techniques	√
Amended Water	√
Negative Air Filtration	√

#### 7. Waste Management

Waste properly double bagged before leaving site	√
Waste transfer manifest documentation	--

#### 8. Work Site Cleanliness

General House Keeping	√
ACM bagged as work progresses	√

#### 9. Number of Workers On-Site

Asbestos Abatement Contractor	Island Abatement	6
Project Consultant	ALL-TECH Environmental	1

Should you have any questions regarding this report, please do not hesitate to contact our office at (902) 569-0172.

Project Consultant:   
**Ethan Taweel**  
**Environmental Consultant**

**ALL-TECH Environmental Services Limited**

cc	Kevin Kennedy	DTIE
	Ian Harper	APM
	Dave Wadden	APM
	Lindsay Stetson	APM
	Jeff Clow	DTIE

**ASBESTOS ABATEMENT AIR MONITORING REPORT  
THREE OAKS SENIOR HIGH SCHOOL – SUMMERSIDE, PE**

<p>Client: PEI Dept. of Transportation, Infrastructure &amp; Energy P.O. Box 2000 Charlottetown, PEI C1A 7N8 Attn: Tyler Richardson</p>	<p>Date: July 17<sup>th</sup>, 2018 Project No.: PE7056 Location: Block A Report No.: 144</p>
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**1. Details To Be Noted:**

On July 17<sup>th</sup>, 2018 ALL-TECH Environmental Services conducted perimeter sampling of the work area in Block A (2A1) for airborne asbestos fibres.

During the shift the contractor had been removing asbestos containing ductwork within 2A1.

One (1) perimeter sample was collected in the work area in 2A1.

Refer to sections 2 – 9 for daily inspection checklist.

**2. Air Monitoring Results:**

Sample Number	Time of Collection (am/pm)	Sample Duration (Min.)	Flow Rate (L/m)	Pump ID	Sample Volume (Litres)	Sample Location / *Sample Description	Reported Results (f/cc)
vD-309	1:45 (pm)	50	12	R-4	600	Block A (2A1) 2 <sup>nd</sup> Level Corridor * Perimeter Sample	N/D

**ND** None Detected

✓ Air monitoring results were acceptable at the time of sampling and within regulations set by PEI Occupational Health & Safety Act. The current Threshold Limit Value (TLV) for all forms of asbestos is set by the American Conference of Governmental Industrial Hygienists (ACGIH) is 0.1 fibres per cubic centimetre (f/cc)

During sample collection and analysis, the NIOSH 7400 Method was followed. The samples were collected on 3 piece, 25mm cellulose ester sampling cassettes with a pore size of 0.8µ m.

The above noted samples were analyzed using the NIOSH 7400 Method, (Asbestos and Other Fibres by PCM) following “A” counting rules. NIOSH states in the section titled “Applicability” that “this method gives an index of airborne fibres. It is primarily used for estimating asbestos concentrations, though PCM does not differentiate between asbestos and other fibres. This method will not detect fibres < 0.25µ m in diameter.

**3. Site Conditions (Enclosures)**

Penetrations Observed	NO
Repairs Required	NO
Prompt Response	N/A

#### 4. Negative Air Pressure

Number of Units Operating Effectively	N/A
Minimum -0.02" H <sub>2</sub> O Maintained	N/A
Filters Inspected and Changed as Required	√

#### 5. Personal Protective Equipment

Powered Air Purifying Respirators with HEPA Filters	√
Disposable Coveralls	√
CSA Safety Boots	√

#### 6. Dust Control

Wet Wiping Techniques	√
Amended Water	√
Negative Air Filtration	√

#### 7. Waste Management

Waste properly double bagged before leaving site	√
Waste transfer manifest documentation	--

#### 8. Work Site Cleanliness

General House Keeping	√
ACM bagged as work progresses	√

#### 9. Number of Workers On-Site

Asbestos Abatement Contractor	Island Abatement	6
Project Consultant	ALL-TECH Environmental	1

Should you have any questions regarding this report, please do not hesitate to contact our office at (902) 569-0172.

Project Consultant:   
**Ethan Taweel**  
**Environmental Consultant**

**ALL-TECH Environmental Services Limited**

cc	Kevin Kennedy	DTIE
	Ian Harper	APM
	Dave Wadden	APM
	Lindsay Stetson	APM
	Jeff Clow	DTIE

**ASBESTOS ABATEMENT AIR MONITORING REPORT  
THREE OAKS SENIOR HIGH SCHOOL – SUMMERSIDE, PE**

Client: PEI Dept. of Transportation, Infrastructure & Energy  
P.O. Box 2000  
Charlottetown, PEI  
C1A 7N8  
Attn: Tyler Richardson

Date: July 18<sup>th</sup>, 2018  
Project No.: PE7056  
Location: Block A  
Report No.: 145

**1. Details To Be Noted:**

On July 18<sup>th</sup>, 2018 ALL-TECH Environmental Services conducted perimeter sampling of the work area in Block A (2A1) for airborne asbestos fibres.

During the shift the contractor had been removing asbestos containing ductwork within 2A1.

One (1) perimeter sample was collected in the work area in 2A1.

Refer to sections 2 – 9 for daily inspection checklist.

**2. Air Monitoring Results:**

Sample Number	Time of Collection (am/pm)	Sample Duration (Min.)	Flow Rate (L/m)	Pump ID	Sample Volume (Litres)	Sample Location / *Sample Description	Reported Results (f/cc)
vD-310	10:15 (am)	35	12	R-4	420	Block A (2A1) 2 <sup>nd</sup> Level Corridor * Perimeter Sample	N/D

**ND** None Detected

✓ Air monitoring results were acceptable at the time of sampling and within regulations set by PEI Occupational Health & Safety Act. The current Threshold Limit Value (TLV) for all forms of asbestos is set by the American Conference of Governmental Industrial Hygienists (ACGIH) is 0.1 fibres per cubic centimetre (f/cc)

During sample collection and analysis, the NIOSH 7400 Method was followed. The samples were collected on 3 piece, 25mm cellulose ester sampling cassettes with a pore size of 0.8µ m.

The above noted samples were analyzed using the NIOSH 7400 Method, (Asbestos and Other Fibres by PCM) following “A” counting rules. NIOSH states in the section titled “Applicability” that “this method gives an index of airborne fibres. It is primarily used for estimating asbestos concentrations, though PCM does not differentiate between asbestos and other fibres. This method will not detect fibres < 0.25µ m in diameter.

**3. Site Conditions (Enclosures)**

Penetrations Observed	NO
Repairs Required	NO
Prompt Response	N/A

#### 4. Negative Air Pressure

Number of Units Operating Effectively	N/A
Minimum -0.02" H <sub>2</sub> O Maintained	N/A
Filters Inspected and Changed as Required	√

#### 5. Personal Protective Equipment

Powered Air Purifying Respirators with HEPA Filters	√
Disposable Coveralls	√
CSA Safety Boots	√

#### 6. Dust Control

Wet Wiping Techniques	√
Amended Water	√
Negative Air Filtration	√

#### 7. Waste Management

Waste properly double bagged before leaving site	√
Waste transfer manifest documentation	--

#### 8. Work Site Cleanliness

General House Keeping	√
ACM bagged as work progresses	√

#### 9. Number of Workers On-Site

Asbestos Abatement Contractor	Island Abatement	5
Project Consultant	ALL-TECH Environmental	1

Should you have any questions regarding this report, please do not hesitate to contact our office at (902) 569-0172.

Project Consultant:   
**Ethan Taweel**  
**Environmental Consultant**

**ALL-TECH Environmental Services Limited**

cc	Kevin Kennedy	DTIE
	Ian Harper	APM
	Dave Wadden	APM
	Lindsay Stetson	APM
	Jeff Clow	DTIE

**ASBESTOS ABATEMENT AIR MONITORING REPORT  
THREE OAKS SENIOR HIGH SCHOOL – SUMMERSIDE, PE**

Client: PEI Dept. of Transportation, Infrastructure & Energy  
P.O. Box 2000  
Charlottetown, PEI  
C1A 7N8  
Attn: Tyler Richardson

Date: July 19<sup>th</sup>, 2018  
Project No.: PE7056  
Location: Block A  
Report No.: 146

**1. Details To Be Noted:**

On July 19<sup>th</sup>, 2018 ALL-TECH Environmental Services conducted clearance sampling of the work area in Block A (2A1) for airborne asbestos fibres.

During the shift the contractor had removed asbestos containing window shrouds along the outer wall of 2A1.

Four (4) clearance samples were collected in the enclosures surrounding the window shrouds along the outer wall of 2A1.

Refer to sections 2 – 9 for daily inspection checklist.

**2. Air Monitoring Results:**

Sample Number	Time of Collection (am/pm)	Sample Duration (Min.)	Flow Rate (L/m)	Pump ID	Sample Volume (Litres)	Sample Location / *Sample Description	Reported Results (f/cc)
vD-311	11:10 (am)	50	12	R-4	600	Block A (2A1) 2 <sup>nd</sup> Level Outer Wall Shroud Enclosure Corridor * Clearance Sample	N/D
vD-312	11:10 (am)	50	12	R-3	600	Block A (2A1) 2 <sup>nd</sup> Level Outer Wall Shroud Enclosure Room # 606 * Clearance Sample	N/D
vD-313	12:45 (pm)	55	12	R-4	660	Block A (2A1) 2 <sup>nd</sup> Level Outer Wall Shroud Enclosure Room # 607 * Clearance Sample	N/D
vD-314	1:25 (pm)	45	12	R-3	540	Block A (2A1) 2 <sup>nd</sup> Level Outer Wall Shroud Enclosure Room # 608 * Clearance Sample	N/D

ND None Detected

✓ Air monitoring results were acceptable at the time of sampling and within regulations set by PEI Occupational Health & Safety Act. The current Threshold Limit Value (TLV) for all forms of asbestos is set by the American Conference of Governmental Industrial Hygienists (ACGIH) is 0.1 fibres per cubic centimetre (f/cc)

During sample collection and analysis, the NIOSH 7400 Method was followed. The samples were collected on 3 piece, 25mm cellulose ester sampling cassettes with a pore size of  $0.8\mu\text{m}$ . The above noted samples were analyzed using the NIOSH 7400 Method, (Asbestos and Other Fibres by PCM) following "A" counting rules. NIOSH states in the section titled "Applicability" that "this method gives an index of airborne fibres. It is primarily used for estimating asbestos concentrations, though PCM does not differentiate between asbestos and other fibres. This method will not detect fibres  $< 0.25\mu\text{m}$  in diameter.

### 3. Site Conditions (Enclosures)

Penetrations Observed	NO
Repairs Required	NO
Prompt Response	N/A

### 4. Negative Air Pressure

Number of Units Operating Effectively	N/A
Minimum -0.02" H <sub>2</sub> O Maintained	N/A
Filters Inspected and Changed as Required	√

### 5. Personal Protective Equipment

Powered Air Purifying Respirators with HEPA Filters	√
Disposable Coveralls	√
CSA Safety Boots	√

### 6. Dust Control

Wet Wiping Techniques	√
Amended Water	√
Negative Air Filtration	√

### 7. Waste Management

Waste properly double bagged before leaving site	√
Waste transfer manifest documentation	--

### 8. Work Site Cleanliness

General House Keeping	√
ACM bagged as work progresses	√

### 9. Number of Workers On-Site

Asbestos Abatement Contractor	Island Abatement	6
Project Consultant	ALL-TECH Environmental	1

Should you have any questions regarding this report, please do not hesitate to contact our office at (902) 569-0172.

Project Consultant: 



Ethan Taweel  
*Environmental Consultant*

**ALL-TECH Environmental Services Limited**

cc	Kevin Kennedy	DTIE
	Ian Harper	APM
	Dave Wadden	APM
	Lindsay Stetson	APM
	Jeff Clow	DTIE

## ASBESTOS ABATEMENT AIR MONITORING REPORT THREE OAKS SENIOR HIGH SCHOOL – SUMMERSIDE, PE

<p>Client: PEI Dept. of Transportation, Infrastructure &amp; Energy P.O. Box 2000 Charlottetown, PEI C1A 7N8 Attn: Tyler Richardson</p>	<p>Date: July 20<sup>th</sup>, 2018 Project No.: PE7056 Location: Block A &amp; B Report No.: 147</p>
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### 1. Details To Be Noted:

On July 20<sup>th</sup>, 2018 ALL-TECH Environmental Services conducted clearance sampling of the work area in Block A (2A1) and Block B (2B1) for airborne asbestos fibres.

During the shift the contractor had removed asbestos containing window shrouds along the outer wall of 2A1 and asbestos containing ductwork in 2B1.

Two (2) clearance samples were collected in the enclosures surrounding the window shrouds along the outer wall of 2A1. One (1) clearance sample was collected in the work area where the ductwork was removed in 2B1.

Refer to sections 2 – 9 for daily inspection checklist.

### 2. Air Monitoring Results:

Sample Number	Time of Collection (am/pm)	Sample Duration (Min.)	Flow Rate (L/m)	Pump ID	Sample Volume (Litres)	Sample Location / *Sample Description	Reported Results (f/cc)
vD-315	10:55 (am)	35	12	R-4	420	Block A (2A1) 2 <sup>nd</sup> Level Outer Wall Shroud Enclosure Room # 609 * Clearance Sample	N/D
vD-316	10:55 (am)	35	12	R-3	420	Block A (2A1) 2 <sup>nd</sup> Level Outer Wall Shroud Enclosure Room # 610 * Clearance Sample	N/D
vD-317	11:40 (pm)	35	12	R-4	420	Block A (2B1) 2 <sup>nd</sup> Level Foyer * Clearance Sample	N/D

**ND** None Detected

✓ Air monitoring results were acceptable at the time of sampling and within regulations set by PEI Occupational Health & Safety Act. The current Threshold Limit Value (TLV) for all forms of asbestos is set by the American Conference of Governmental Industrial Hygienists (ACGIH) is 0.1 fibres per cubic centimetre (f/cc)

During sample collection and analysis, the NIOSH 7400 Method was followed. The samples were collected on 3 piece, 25mm cellulose ester sampling cassettes with a pore size of 0.8µ m.

The above noted samples were analyzed using the NIOSH 7400 Method, (Asbestos and Other Fibres by PCM) following “A” counting rules. NIOSH states in the section titled “Applicability” that “this method gives an index of airborne fibres. It is

primarily used for estimating asbestos concentrations, though PCM does not differentiate between asbestos and other fibres. This method will not detect fibres < 0.25µ m in diameter.

### 3. Site Conditions (Enclosures)

Penetrations Observed	NO
Repairs Required	NO
Prompt Response	N/A

### 4. Negative Air Pressure

Number of Units Operating Effectively	N/A
Minimum -0.02" H <sub>2</sub> O Maintained	N/A
Filters Inspected and Changed as Required	√

### 5. Personal Protective Equipment

Powered Air Purifying Respirators with HEPA Filters	√
Disposable Coveralls	√
CSA Safety Boots	√

### 6. Dust Control

Wet Wiping Techniques	√
Amended Water	√
Negative Air Filtration	√

### 7. Waste Management

Waste properly double bagged before leaving site	√
Waste transfer manifest documentation	--

### 8. Work Site Cleanliness

General House Keeping	√
ACM bagged as work progresses	√

### 9. Number of Workers On-Site

Asbestos Abatement Contractor	Island Abatement	4
Project Consultant	ALL-TECH Environmental	1

Should you have any questions regarding this report, please do not hesitate to contact our office at (902) 569-0172.

Project Consultant:   
**Ethan Taweel**  
**Environmental Consultant**

**ALL-TECH Environmental Services Limited**

cc	Kevin Kennedy	DTIE
	Ian Harper	APM
	Dave Wadden	APM
	Lindsay Stetson	APM
	Jeff Clow	DTIE

**ASBESTOS ABATEMENT AIR MONITORING REPORT  
THREE OAKS SENIOR HIGH SCHOOL – SUMMERSIDE, PE**

<p>Client: PEI Dept. of Transportation, Infrastructure &amp; Energy P.O. Box 2000 Charlottetown, PEI C1A 7N8 Attn: Tyler Richardson</p>	<p>Date: July 23<sup>rd</sup>, 2018 Project No.: PE7056 Location: Block A Report No.: 148</p>
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**1. Details To Be Noted:**

On July 23<sup>rd</sup>, 2018 ALL-TECH Environmental Services conducted clearance sampling of the work area in Block A (2A1) for airborne asbestos fibres.

During the shift the contractor had removed asbestos containing window shrouds along the outer wall of 2A1.

One (1) clearance sample was collected in the enclosure surrounding the window shrouds along the outer wall of 2A1.

Refer to sections 2 – 9 for daily inspection checklist.

**2. Air Monitoring Results:**

Sample Number	Time of Collection (am/pm)	Sample Duration (Min.)	Flow Rate (L/m)	Pump ID	Sample Volume (Litres)	Sample Location / *Sample Description	Reported Results (f/cc)
vD-318	10:35 (am)	35	12	R-4	420	Block A (2A1) 2 <sup>nd</sup> Level Outer Wall Shroud Enclosure Room # 612 * Clearance Sample	N/D

**ND** None Detected

✓ Air monitoring results were acceptable at the time of sampling and within regulations set by PEI Occupational Health & Safety Act. The current Threshold Limit Value (TLV) for all forms of asbestos is set by the American Conference of Governmental Industrial Hygienists (ACGIH) is 0.1 fibres per cubic centimetre (f/cc)

During sample collection and analysis, the NIOSH 7400 Method was followed. The samples were collected on 3 piece, 25mm cellulose ester sampling cassettes with a pore size of 0.8µ m.

The above noted samples were analyzed using the NIOSH 7400 Method, (Asbestos and Other Fibres by PCM) following “A” counting rules. NIOSH states in the section titled “Applicability” that “this method gives an index of airborne fibres. It is primarily used for estimating asbestos concentrations, though PCM does not differentiate between asbestos and other fibres. This method will not detect fibres < 0.25µ m in diameter.

**3. Site Conditions (Enclosures)**

Penetrations Observed	NO
Repairs Required	NO
Prompt Response	N/A

#### 4. Negative Air Pressure

Number of Units Operating Effectively	N/A
Minimum -0.02" H <sub>2</sub> O Maintained	N/A
Filters Inspected and Changed as Required	√

#### 5. Personal Protective Equipment

Powered Air Purifying Respirators with HEPA Filters	√
Disposable Coveralls	√
CSA Safety Boots	√

#### 6. Dust Control

Wet Wiping Techniques	√
Amended Water	√
Negative Air Filtration	√

#### 7. Waste Management

Waste properly double bagged before leaving site	√
Waste transfer manifest documentation	--

#### 8. Work Site Cleanliness

General House Keeping	√
ACM bagged as work progresses	√

#### 9. Number of Workers On-Site

Asbestos Abatement Contractor	Island Abatement	6
Project Consultant	ALL-TECH Environmental	1

Should you have any questions regarding this report, please do not hesitate to contact our office at (902) 569-0172.

Project Consultant:   
**Ethan Taweel**  
**Environmental Consultant**

**ALL-TECH Environmental Services Limited**

cc Kevin Kennedy DTIE  
 Ian Harper APM  
 Dave Wadden APM  
 Lindsay Stetson APM  
 Jeff Clow DTIE

**ASBESTOS ABATEMENT AIR MONITORING REPORT  
THREE OAKS SENIOR HIGH SCHOOL – SUMMERSIDE, PE**

Client: PEI Dept. of Transportation, Infrastructure & Energy  
P.O. Box 2000  
Charlottetown, PEI  
C1A 7N8  
Attn: Tyler Richardson

Date: July 24<sup>th</sup>, 2018  
Project No.: PE7056  
Location: Block A  
Report No.: 149

**1. Details To Be Noted:**

On July 24<sup>th</sup>, 2018 ALL-TECH Environmental Services conducted clearance sampling of the work area in Block A (2A1) for airborne asbestos fibres.

During the shift the contractor had removed asbestos containing window shrouds along the outer wall of 2A1 and 2A2.

Three (3) clearance samples were collected in the enclosures surrounding the window shrouds along the outer wall of 2A1 and 2A2.

Refer to sections 2 – 9 for daily inspection checklist.

**2. Air Monitoring Results:**

Sample Number	Time of Collection (am/pm)	Sample Duration (Min.)	Flow Rate (L/m)	Pump ID	Sample Volume (Litres)	Sample Location / *Sample Description	Reported Results (f/cc)
vD-319	10:25 (am)	35	12	R-4	420	Block A (2A1) 2 <sup>nd</sup> Level Outer Wall Shroud Enclosure Stairwell * Clearance Sample	N/D
vD-320	11:00 (am)	35	12	R-3	420	Block A (2A1) 2 <sup>nd</sup> Level Outer Wall Shroud Enclosure Room # 611 * Clearance Sample	N/D
vD-321	2:15 (pm)	35	12	R-4	420	Block A (2A2) 2 <sup>nd</sup> Level Outer Wall Shroud Enclosure Room # 617 * Clearance Sample	N/D

**ND** None Detected

✓ Air monitoring results were acceptable at the time of sampling and within regulations set by PEI Occupational Health & Safety Act. The current Threshold Limit Value (TLV) for all forms of asbestos is set by the American Conference of Governmental Industrial Hygienists (ACGIH) is 0.1 fibres per cubic centimetre (f/cc)

During sample collection and analysis, the NIOSH 7400 Method was followed. The samples were collected on 3 piece, 25mm cellulose ester sampling cassettes with a pore size of 0.8µ m.

The above noted samples were analyzed using the NIOSH 7400 Method, (Asbestos and Other Fibres by PCM) following “A” counting rules. NIOSH states in the section titled “Applicability” that “this method gives an index of airborne fibres. It is

primarily used for estimating asbestos concentrations, though PCM does not differentiate between asbestos and other fibres. This method will not detect fibres < 0.25µ m in diameter.

### 3. Site Conditions (Enclosures)

Penetrations Observed	NO
Repairs Required	NO
Prompt Response	N/A

### 4. Negative Air Pressure

Number of Units Operating Effectively	N/A
Minimum -0.02" H <sub>2</sub> O Maintained	N/A
Filters Inspected and Changed as Required	√

### 5. Personal Protective Equipment

Powered Air Purifying Respirators with HEPA Filters	√
Disposable Coveralls	√
CSA Safety Boots	√

### 6. Dust Control

Wet Wiping Techniques	√
Amended Water	√
Negative Air Filtration	√

### 7. Waste Management

Waste properly double bagged before leaving site	√
Waste transfer manifest documentation	--

### 8. Work Site Cleanliness

General House Keeping	√
ACM bagged as work progresses	√

### 9. Number of Workers On-Site

Asbestos Abatement Contractor	Island Abatement	5
Project Consultant	ALL-TECH Environmental	1

Should you have any questions regarding this report, please do not hesitate to contact our office at (902) 569-0172.

Project Consultant:   
**Ethan Taweel**  
**Environmental Consultant**

**ALL-TECH Environmental Services Limited**



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**ASBESTOS ABATEMENT AIR MONITORING REPORT  
THREE OAKS SENIOR HIGH SCHOOL – SUMMERSIDE, PE**

Client: PEI Dept. of Transportation, Infrastructure & Energy  
P.O. Box 2000  
Charlottetown, PEI  
C1A 7N8  
Attn: Tyler Richardson

Date: July 25<sup>th</sup>, 2018  
Project No.: PE7056  
Location: Block A  
Report No.: 150

**1. Details To Be Noted:**

On July 25<sup>th</sup>, 2018 ALL-TECH Environmental Services conducted clearance sampling of the work area in Block A (2A2) for airborne asbestos fibres.

During the shift the contractor had removed asbestos containing window shrouds along the outer wall of 2A2.

One (1) clearance sample was collected in the enclosure surrounding the window shrouds along the outer wall of 2A2.

Refer to sections 2 – 9 for daily inspection checklist.

**2. Air Monitoring Results:**

Sample Number	Time of Collection (am/pm)	Sample Duration (Min.)	Flow Rate (L/m)	Pump ID	Sample Volume (Litres)	Sample Location / *Sample Description	Reported Results (f/cc)
vD-322	10:20 (am)	35	12	R-4	420	Block A (2A2) 2 <sup>nd</sup> Level Outer Wall Shroud Enclosure Room # 617 * Clearance Sample	N/D

**ND** None Detected

✓ Air monitoring results were acceptable at the time of sampling and within regulations set by PEI Occupational Health & Safety Act. The current Threshold Limit Value (TLV) for all forms of asbestos is set by the American Conference of Governmental Industrial Hygienists (ACGIH) is 0.1 fibres per cubic centimetre (f/cc)

During sample collection and analysis, the NIOSH 7400 Method was followed. The samples were collected on 3 piece, 25mm cellulose ester sampling cassettes with a pore size of 0.8µ m.

The above noted samples were analyzed using the NIOSH 7400 Method, (Asbestos and Other Fibres by PCM) following “A” counting rules. NIOSH states in the section titled “Applicability” that “this method gives an index of airborne fibres. It is primarily used for estimating asbestos concentrations, though PCM does not differentiate between asbestos and other fibres. This method will not detect fibres < 0.25µ m in diameter.

**3. Site Conditions (Enclosures)**

Penetrations Observed	NO
Repairs Required	NO
Prompt Response	N/A

#### 4. Negative Air Pressure

Number of Units Operating Effectively	N/A
Minimum -0.02" H <sub>2</sub> O Maintained	N/A
Filters Inspected and Changed as Required	√

#### 5. Personal Protective Equipment

Powered Air Purifying Respirators with HEPA Filters	√
Disposable Coveralls	√
CSA Safety Boots	√

#### 6. Dust Control

Wet Wiping Techniques	√
Amended Water	√
Negative Air Filtration	√

#### 7. Waste Management

Waste properly double bagged before leaving site	√
Waste transfer manifest documentation	--

#### 8. Work Site Cleanliness

General House Keeping	√
ACM bagged as work progresses	√

#### 9. Number of Workers On-Site

Asbestos Abatement Contractor	Island Abatement	4
Project Consultant	ALL-TECH Environmental	1

Should you have any questions regarding this report, please do not hesitate to contact our office at (902) 569-0172.

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 Lindsay Stetson APM  
 Jeff Clow DTIE

**ASBESTOS ABATEMENT AIR MONITORING REPORT  
THREE OAKS SENIOR HIGH SCHOOL – SUMMERSIDE, PE**

Client: PEI Dept. of Transportation, Infrastructure & Energy  
P.O. Box 2000  
Charlottetown, PEI  
C1A 7N8  
Attn: Tyler Richardson

Date: July 26<sup>th</sup>, 2018  
Project No.: PE7056  
Location: Block A  
Report No.: 151

**1. Details To Be Noted:**

On July 26<sup>th</sup>, 2018 ALL-TECH Environmental Services conducted clearance sampling of the work area in Block A (2A2, 1A5) for airborne asbestos fibres.

During the shift the contractor had begun removing asbestos containing ductwork along the corridor in 2A2, and removed asbestos containing joint compound from a pipe in the washroom in 1A5.

One (1) perimeter sample was collected in the 2A2 corridor where ductwork removal was taking place.  
One (1) clearance sample was collected in the washroom of 1A5 where joint compound removal was completed.

Refer to sections 2 – 9 for daily inspection checklist.

**2. Air Monitoring Results:**

Sample Number	Time of Collection (am/pm)	Sample Duration (Min.)	Flow Rate (L/m)	Pump ID	Sample Volume (Litres)	Sample Location / *Sample Description	Reported Results (f/cc)
vD-323	10:15 (am)	75	12	R-4	900	Block A (2A2) 2 <sup>nd</sup> Level Corridor * Perimeter Sample	N/D
vD-324	11:45 (am)	45	12	R-4	540	Block A (1A5) 1 <sup>st</sup> Level Washroom * Clearance Sample	N/D

**ND** None Detected

v Air monitoring results were acceptable at the time of sampling and within regulations set by PEI Occupational Health & Safety Act. The current Threshold Limit Value (TLV) for all forms of asbestos is set by the American Conference of Governmental Industrial Hygienists (ACGIH) is 0.1 fibres per cubic centimetre (f/cc)

During sample collection and analysis, the NIOSH 7400 Method was followed. The samples were collected on 3 piece, 25mm cellulose ester sampling cassettes with a pore size of 0.8µ m.

The above noted samples were analyzed using the NIOSH 7400 Method, (Asbestos and Other Fibres by PCM) following “A” counting rules. NIOSH states in the section titled “Applicability” that “this method gives an index of airborne fibres. It is primarily used for estimating asbestos concentrations, though PCM does not differentiate between asbestos and other fibres. This method will not detect fibres < 0.25µ m in diameter.

**3. Site Conditions (Enclosures)**

Penetrations Observed	NO
Repairs Required	NO
Prompt Response	N/A

#### 4. Negative Air Pressure

Number of Units Operating Effectively	N/A
Minimum -0.02" H <sub>2</sub> O Maintained	N/A
Filters Inspected and Changed as Required	√

#### 5. Personal Protective Equipment

Powered Air Purifying Respirators with HEPA Filters	√
Disposable Coveralls	√
CSA Safety Boots	√

#### 6. Dust Control

Wet Wiping Techniques	√
Amended Water	√
Negative Air Filtration	√

#### 7. Waste Management

Waste properly double bagged before leaving site	√
Waste transfer manifest documentation	--

#### 8. Work Site Cleanliness

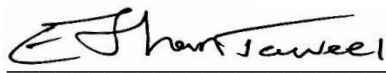
General House Keeping	√
ACM bagged as work progresses	√

#### 9. Number of Workers On-Site

Asbestos Abatement Contractor	Island Abatement	4
Project Consultant	ALL-TECH Environmental	1

Should you have any questions regarding this report, please do not hesitate to contact our office at (902) 569-0172.

Project Consultant:



Ethan Taweel  
Environmental Consultant

**ALL-TECH Environmental Services Limited**

cc	Kevin Kennedy	DTIE
	Ian Harper	APM
	Dave Wadden	APM
	Lindsay Stetson	APM
	Jeff Ciow	DTIE

**ASBESTOS ABATEMENT AIR MONITORING REPORT  
THREE OAKS SENIOR HIGH SCHOOL – SUMMERSIDE, PE**

<p>Client: PEI Dept. of Transportation, Infrastructure &amp; Energy P.O. Box 2000 Charlottetown, PEI C1A 7N8 Attn: Tyler Richardson</p>	<p>Date: July 27<sup>th</sup>, 2018 Project No.: PE7056 Location: Block A Report No.: 152</p>
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**1. Details To Be Noted:**

On July 27<sup>th</sup>, 2018 ALL-TECH Environmental Services conducted clearance sampling of the work area in Block A (2A2) for airborne asbestos fibres.

During the shift the contractor had completed bagging asbestos containing ductwork along the corridor in 2A2.

Two (2) clearance samples were collected in the 2A2 corridor where removal and bagging took place.

Refer to sections 2 – 9 for daily inspection checklist.

**2. Air Monitoring Results:**

Sample Number	Time of Collection (am/pm)	Sample Duration (Min.)	Flow Rate (L/m)	Pump ID	Sample Volume (Litres)	Sample Location / *Sample Description	Reported Results (f/cc)
vD-325	12:40 (am)	45	12	R-3	540	Block A (2A2) 2 <sup>nd</sup> Level Room 621 * Clearance Sample	N/D
vD-326	12:40 (am)	45	12	R-4	540	Block A (2A2) 2 <sup>nd</sup> Level Corridor * Clearance Sample	N/D

**ND** None Detected

✓ Air monitoring results were acceptable at the time of sampling and within regulations set by PEI Occupational Health & Safety Act. The current Threshold Limit Value (TLV) for all forms of asbestos is set by the American Conference of Governmental Industrial Hygienists (ACGIH) is 0.1 fibres per cubic centimetre (f/cc)

During sample collection and analysis, the NIOSH 7400 Method was followed. The samples were collected on 3 piece, 25mm cellulose ester sampling cassettes with a pore size of 0.8µ m.

The above noted samples were analyzed using the NIOSH 7400 Method, (Asbestos and Other Fibres by PCM) following “A” counting rules. NIOSH states in the section titled “Applicability” that “this method gives an index of airborne fibres. It is primarily used for estimating asbestos concentrations, though PCM does not differentiate between asbestos and other fibres. This method will not detect fibres < 0.25µ m in diameter.

**3. Site Conditions (Enclosures)**

Penetrations Observed	NO
Repairs Required	NO

Prompt Response	N/A
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#### 4. Negative Air Pressure

Number of Units Operating Effectively	N/A
Minimum -0.02" H <sub>2</sub> O Maintained	N/A
Filters Inspected and Changed as Required	√

#### 5. Personal Protective Equipment

Powered Air Purifying Respirators with HEPA Filters	√
Disposable Coveralls	√
CSA Safety Boots	√

#### 6. Dust Control

Wet Wiping Techniques	√
Amended Water	√
Negative Air Filtration	√

#### 7. Waste Management

Waste properly double bagged before leaving site	√
Waste transfer manifest documentation	--

#### 8. Work Site Cleanliness

General House Keeping	√
ACM bagged as work progresses	√

#### 9. Number of Workers On-Site

Asbestos Abatement Contractor	Island Abatement	4
Project Consultant	ALL-TECH Environmental	1

Should you have any questions regarding this report, please do not hesitate to contact our office at (902) 569-0172.

Project Consultant:   
**Ethan Taweel**  
**Environmental Consultant**

**ALL-TECH Environmental Services Limited**

cc	Kevin Kennedy	DTIE
	Ian Harper	APM
	Dave Wadden	APM
	Lindsay Stetson	APM
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**ASBESTOS ABATEMENT AIR MONITORING REPORT  
THREE OAKS SENIOR HIGH SCHOOL – SUMMERSIDE, PE**

Client:	PEI Dept. of Transportation, Infrastructure & Energy P.O. Box 2000 Charlottetown, PEI C1A 7N8 Attn: Tyler Richardson	Date:	July 30 <sup>th</sup> , 2018
		Project No.:	PE7056
		Location:	Block A
		Report No.:	153

**1. Details To Be Noted:**

On July 30<sup>th</sup>, 2018 ALL-TECH Environmental Services conducted clearance sampling of the work area in Block A (2A1) for airborne asbestos fibres.

During the shift the contractor had removed an asbestos containing roof drain in the washroom in 2A1.

One (1) clearance sample was collected in the 2A1 washroom where removal took place.

Refer to sections 2 – 9 for daily inspection checklist.

**2. Air Monitoring Results:**

Sample Number	Time of Collection (am/pm)	Sample Duration (Min.)	Flow Rate (L/m)	Pump ID	Sample Volume (Litres)	Sample Location / *Sample Description	Reported Results (f/cc)
vD-327	10:25 (am)	35	12	R-4	420	Block A (2A1) 2 <sup>nd</sup> Level Washroom * Clearance Sample	N/D

**ND** None Detected

✓ Air monitoring results were acceptable at the time of sampling and within regulations set by PEI Occupational Health & Safety Act. The current Threshold Limit Value (TLV) for all forms of asbestos is set by the American Conference of Governmental Industrial Hygienists (ACGIH) is 0.1 fibres per cubic centimetre (f/cc)

During sample collection and analysis, the NIOSH 7400 Method was followed. The samples were collected on 3 piece, 25mm cellulose ester sampling cassettes with a pore size of 0.8µ m.

The above noted samples were analyzed using the NIOSH 7400 Method, (Asbestos and Other Fibres by PCM) following “A” counting rules. NIOSH states in the section titled “Applicability” that “this method gives an index of airborne fibres. It is primarily used for estimating asbestos concentrations, though PCM does not differentiate between asbestos and other fibres. This method will not detect fibres < 0.25µ m in diameter.

**3. Site Conditions (Enclosures)**

Penetrations Observed	NO
Repairs Required	NO
Prompt Response	N/A



#### 4. Negative Air Pressure

Number of Units Operating Effectively	N/A
Minimum -0.02" H <sub>2</sub> O Maintained	N/A
Filters Inspected and Changed as Required	√

#### 5. Personal Protective Equipment

Powered Air Purifying Respirators with HEPA Filters	√
Disposable Coveralls	√
CSA Safety Boots	√

#### 6. Dust Control

Wet Wiping Techniques	√
Amended Water	√
Negative Air Filtration	√

#### 7. Waste Management

Waste properly double bagged before leaving site	√
Waste transfer manifest documentation	--

#### 8. Work Site Cleanliness

General House Keeping	√
ACM bagged as work progresses	√

#### 9. Number of Workers On-Site

Asbestos Abatement Contractor	Island Abatement	2
Project Consultant	ALL-TECH Environmental	1

Should you have any questions regarding this report, please do not hesitate to contact our office at (902) 569-0172.

Project Consultant:   
**Ethan Taweel**  
**Environmental Consultant**

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