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Title - Sujet CCGS PIERRE RADISSON VESSEL LIFE EX	
Solicitation No. - N° de l'invitation F7049-160074/A	**Amendment No. - N° modif.** 012
Client Reference No. - N° de référence du client F7049-160074	**Date** 2016-07-14
GETS Reference No. - N° de référence de SEAG PW-$$MD-031-25863	
File No. - N° de dossier 031md.F7049-160074	**CCC No./N° CCC - FMS No./N° VME**
Solicitation Closes - L'invitation prend fin **at - à 02:00 PM** **on - le 2016-07-25**	**Time Zone** **Fuseau horaire** Eastern Daylight Saving Time EDT
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Amendment #12 is issued to publish the following items.

1. **Republish Questions and Answers 15 to 19 in English. Unfortunately, both English and French versions were misplaced under Amendment 11.**

2. **Translation of the Groupe Gesfor, Poirier, Pinchin Report on the CCGS Pierre Radisson Asbestos Survey.**

CCGS Pierre Radisson VLE 2016 - # F7049 – 150372/A			
#	**Question**	**#**	**Answer**
Q1	The auto cad drawing in sections 14 and 18 do not have the reference drawing attached and we are unable to open them. If you are not able to attach the reference drawing can you please supply in PDF format.	**A1**	Drawing 221-H-101.pdf is added to section 14 of the Technical Data Package, it includes all four AutoCAD layers in separate files; Drawing 06418-sf.pdf is added to section 18 of the Technical Data Package, it inlcudes page 1 and 2 stated under Annex A, Section 18.2.1 representing respectively Port and Starboard views.
Q2	In order to gain time with bid preparation, will PWGSC accept a bid sent by fax?	**A2**	Bidders must submit their bid in accordance with the requirements of the Invitation to Tender. A bidder may qualify for a delayed bid by sending their bid through one of Canada Post priority services at the latest the day before the bid closing date. Further instructions to qualify can be found under the Standard Instructions 2003 (2016-04-04), Paragraph 07 - Delayed Bids. Additional instructions will be provided if Canada Post services are disturbed by a labour dispute.
Q3	Will a vessel dry docked at Port Weller in Ontario be acceptable?	**A3**	The vessel is scheduled for a Phase II work period to take place in Montreal during winter months. Dry docking at Port Weller facilities will be acceptable if the bidder demonstrates in his preliminary schedule that the vessel will need to be out of the Great Lakes and St-Lawrence Seaway System before it closes.
Q4	Will CCG provide a crew in December or can a crew be provided by the bidder in order to sail the vessel out of the Great Lakes before the St-Lawrence Seaway Closes?	**A4**	CCG will not accept a crew provided by the bidder to sail the vessel. CCG cannot commit to make a crew available in december within the bidding process. That would be creating a condition for Canada to accept with the bid.
Q5	Can the vessel be towed out of the Great Lakes before the St-Lawrence Seaway Closes?	**A5**	Yes. However the bidder must include in his bid the cost to tow the vessel from Port Weller to Montreal and meet other conditions added to the ITT. The ITT will be amended to reflect these changes.

Q6	Article 7.13.1, is the Environmental Impairment Liability Insurance of $5,000,000 is included or added to the other required insurances?	**A6**	The Environmental Impairment Liability Insurance at Article 7.13.1 or under Annex D is independant of other required Insurances.
Q7	Is it possible to be provided with further details regarding asbestos onboard the vessel?	**A7**	Two reports named "Rapport de relevé d'amiante - GCC - Pierre Radisson 2013 (002)" and "141-19427-02 Rapp Pierre Radisson Hazmat 20150206b (0002)" will be added to the Technical Data Package.
Q8	Can CCG provide a delivery schedule for the Government Supplied Equipment?	**A8**	All equipment suplied by CCG will be loaded onbaord the vessel and therefore it will be transiting to the shipyard with the vessel.
Q9	Can the bid closing date be extended?	**A9**	Bid closing date has been extended to July 20th, 2016.
Q10	As per section 33.3.2.16 of the Radisson spec., can you please provide us with specific details on the motors to be overhauled such as nameplate data?	**A10**	Refer to pages 22 and 33 of the “Manuel hangar helicoptere” document found under section 33 of the Technical Data Package for the requested information.
Q11	Section 14.3.1 Question asked at the bidders conference. If coast guard could identify the ten suction extension pipes that must be removed to clean the sea bays and what size pipe to base the additional extension pipe on?	**A11**	Areas of the sea bays that are not accessible must be cleaned by rinsing with clear water only. Therefore, it will not be necessary to remove pipe extensions for sea water suction. In areas that are accessible, the cleanup will be done manually.
Q12	Section 14.3.2 Question asked at the bidders conference. Please identify the anodes that must be disconnect and removed and reinstalled ,we cannot bid on the word some and no drawing has been provided of the anodes.	**A12**	Areas of the sea bays that are not accessible must be cleaned by rinsing with clear water only. Therefore, it will not be necessary to remove anodes. In areas that are accessible, the cleanup will be done manually.

Q13	Section 46 .2.3.2 Question asked at the bidders conference. If Coast Guard has an existing approval for the deck head material. The spec asks the contractor to supply certificates for the material and the manufacturer of the system required does not have any marine certification at all neither TCMS or any classification certificate.	**A13**	The product "Fibrex Marine Board and flex 8" is no longer made, therefore the product stated in section 46.2.3.2 is not available. Consequently, the contractor may choose the following product or a replacement product meeting TCMS standards for the same application. SeaRox SL618NA made by Roxul and sold by Acoustico, contact: Andrée Boisvert, 418 653-9026 ; ABoisvert@acoustico.ca. A Searox datasheet is attached for reference.
Q14	In amendment 7 section 43.2.4, Coast Guard has changed the hatches from Government Supplied Material to contractor supplied material . As these hatches where part of a previous solicitation F7049-160007, why is CCG not supplying these hatches?	**A14**	None of the bids received under F7049-160007 tender were found to be compliant. The current schedule do not provided sufficient time to re-issue a new tender and acquire new hatches before the vessel planned work period.
Q15	We are requesting a one week extension to the closing date due to the change of the windows in spec 42 from government supplied material to contractor supplied material	**A15**	The solicitation closing date has been extended to July 25th.
Q16	A supplier cannot supply a TCMS certificate for these windows, however they are approved by class. Will coast guard accept the class certificate?	**A16**	Refer to Amendment 10, item 3, amended sub-section 42.2.4.1: " … approved by Transport Canada or a classification society recognized by Transport Canada."
Q17	Due to the number of amendments & changes to the tender/bid package that are coming out for the Pierre Radisson, we feel that in order to submit a competitive and compliant bid, we require a 2 week extension to the current submission deadline	**A17**	The solicitation closing date has been extended to July 25th.
Q18	Section 31.2.2 of the spec., there should be a Young and Cunningham instruction Manual with the drawings which doesn't appear to be included. Can you please provide us with this document?	**A18**	Instruction booklet referred at Section 31.2.2 is the document entitled "Soupapes de dalot_Instruction.pdf" included under Section 32 of the TDP. Three additional documents on valve drawings and technical details are added to Section 31.2.2.

Q19	Please confirm that the bid for the Radisson can be faxed with the two cd's sent by courier or Canada Post if still working.	**A19**	Please refer to Answer #2 above.

SURVEY OF MATERIALS LIKELY TO CONTAIN ASBESTOS FOR THE CANADIAN COAST GUARD

VESSEL NAME: CCG PIERRE-RADISSON
VESSEL NO.: 383326

Prepared for:

Fisheries and Oceans Canada
Integrated Technical Services
200 Kent Street, Station 6E215
Ottawa, Ontario
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Gesfor project number: Q04-25193-1.1 (MA11166-PLE)
Pinchin LeBlanc Environmental Ltd. project number: No. 01-7011

May 13, 2013

SUMMARY

Through the Pinchin Group of Companies, Le Groupe Gesfor Poirier, Pinchin inc. (Gesfor) was mandated by Fisheries and Oceans Canada (DFO) to update the survey of materials likely to contain asbestos on board vessels designated by the Canadian Coast Guard (CCG). For this phase of the program and for the province of Quebec, eight (8) vessels were selected to be surveyed. This report presents the results obtained for the following vessel:

VESSEL NAME: CCG Pierre-Radisson

VESSEL NO.: 383326

DESCRIPTION OF VESSEL: Arctic icebreaker

The asbestos-suspect friable materials identified aboard the vessel are as follows:

- Mechanical insulation on the exhaust ducts contain asbestos. All asbestos-containing exhaust insulation was in GOOD condition at the locations where it was found during the study, except for one (1) linear foot in FAIR condition, which was located on the exhaust duct of the main deck's incinerator (Location 014);

- The parging cement on the irregular sections of the heating system's hot water pipes. The parging cement was in GOOD condition at the locations where it was found during the study, except for one (1) elbow in FAIR condition in A/C #5 on the upper deck (Location 023).

Asbestos-suspect non-friable materials identified aboard the vessel are as follows:

- The canvas on the steam system's preformed white insulation blocks. The canvas was in GOOD condition in all locations where it was found during the study, except for one (1) linear foot in POOR condition in the A/C #3 room (Location 029);

- The olive-coloured vinyl floor tiles found on the vessel. The olive-coloured vinyl floor tiles were in GOOD condition at the time of the study.

- The painted insulating paper applied to the "oil-cleaning" furnace in the propulsion room, located on the engine deck (Location 007). The paper observed was in GOOD condition at the time of the study.

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APPENDICES

1.0 INTRODUCTION

Le Groupe Gesfor Poirier, Pinchin inc. (Gesfor) was mandated by Fisheries and Oceans Canada (DFO) to update the survey of asbestos-containing materials (ACMs) aboard vessels designated by the Canadian Coast Guard (CCG). In total, thirty (30) vessels were included in the survey program, including eight (8) that are located in Quebec. The surveys were conducted to correct imprecise or unavailable information on the presence of asbestos aboard CCG vessels. This report presents the results obtained for the following vessel:

VESSEL NAME: CCG Pierre-Radisson

VESSEL NO.: 383326

VESSEL DESCRIPTION: Arctic icebreaker

The survey includes friable[1] and non-friable[2] ACMs as well as suspected materials. Canadian and provincial regulations define friable and non-friable materials. In addition, provincial regulations define friable and non-friable materials when it concerns the establishment of procedures for asbestos-related work.

In the past, the most frequently used friable ACMs have included coating materials (sprayed fireproofing, plasters, acoustic insulation or decorative products) and thermal insulation. When altered, friable products are more likely to release airborne fibres.

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[1] *A product is deemed friable when it can be powdered or crumbled by exerting hand pressure.*

[2] *The most common non-friable ACMs include vinyl-asbestos floor tiles, acoustic ceiling tiles, gaskets, piping and asbestos cement, joint cement on dry wall and asbestos-based textile products. Any product, when new, is considered to be non-friable. However, if a fine dust is released due to said product's deterioration or alteration, the released dust itself is considered to be friable. For example, when removed, most suspended or glued ceiling tiles scatter a significant amount of dust.*

Manufactured products containing asbestos include vinyl-asbestos floor tiles, acoustic ceiling tiles, gaskets, piping and asbestos cement, joint cement on dry wall and asbestos-based textile products. These products are generally considered to be non-friable, but they may be considered to be friable, depending on their condition. Although a product may be deemed non-friable when new, if it deteriorates or is removed, breathable asbestos fibres may be released. For example, suspended ceiling tiles can generate considerable amounts of dust when major work is being done.

2.1 SURVEY AND ASSESSMENT CRITERIA

2.2 Information

The inspected vessel was located at the Louise Basin in Québec City, Quebec. The Pinchin Group's regional office that conducted the survey was Le Groupe Gesfor Poirier, Pinchin inc. (Gesfor). The inspection done on April 4, 2013 to update the 2007 report was done by Marie-Josée Blais, Eng., Project Lead, and Michelle Sauvageau, Senior Technician, both from Groupe Gesfor (hereafter called "the inspector").

2.3 Methodology

The new collection of data was done only in rooms that contained asbestos or were suspected of containing it at the time of the 2007 survey. In addition, the amount of ACM observed was recorded, where applicable. To identify the location of ACMs and make recommendations regarding the work required, the inspector described each room, cabin or walk space (in other words, where access was possible without having to tear down bulkheads or ceilings, or dismantle floor coverings). Representative observations were made above accessible suspended-ceiling systems. Whenever possible, areas above ceilings and behind bulkheads were accessed through hatchways or existing panels. When necessary, intrusive inspections were done in cavities, most notably in places that the inspectors suspected of containing mechanical equipment. The intrusive examinations required the removal of certain bulkheads and ceilings that were in place. However, no floor, ceiling or bulkhead was demolished and no other demolition was done to examine the condition of underlying materials.

The inspector assigned a unique location number to each of the places and rooms that were inspected. When a room had an existing name, the information was recorded along with the assigned location number (for example: Electrical room, location XXX). The information on the data sheets was transferred to the Pinchin Group's Hazardous Materials Inventory System (HMIS). A printed version of this inventory can be found in Appendix II.

2.4 Survey scope

2.4.1 Friable materials

The survey includes the following asbestos-containing and asbestos-free materials:

- Sprayed materials including:
  - fireproofing,
  - thermal insulation (excluding mechanical insulation),
  - textured finishes (for decorative or acoustic purposes).

(NOTE: Although the above-mentioned elements are normally applied by spraying, they may also be applied with a roller or a trowel).

- Mechanical insulation on:
  - boiler and chimney breeching,
  - generators and ducts,
  - channelization,
  - piping,
  - tanks and equipment.
- ceiling tiles (suspended)
  - The suspended ceiling's tiles were catalogued because they can become friable when handled.

2.4.2 Non-friable materials

The following non-friable materials were also characterized in the survey:

- bulkheads and ceilings;
- textile products,
- asbestos-cement panels,

- fire wall,
- floor tiles and vinyl floor covering,
- joint cement on dry wall,
- plaster (walls and ceilings),
- other (caulking products and sealants).

Certain listed products (such as the asbestos-cement panels) were visually identified as containing asbestos. With respect to other materials, given the inconsistent use of asbestos, any material that was not sampled or visually identified as being asbestos-free was deemed a suspected material or a material likely to contain asbestos.

Products containing asbestos and used in the vessel's operations (e.g., galleys or production activities) and those found in teaching facilities (e.g., laboratories or technical workshops) were not characterized. Dust samples were not taken from the supply ducts or return air ducts.

2.4.3 Sampling strategy

Asbestos samples were taken pursuant to the National Institute for Occupational Safety and Health (NIOSH), according to the NIOSH 9002 method. Taking these samples according to established protocols enabled us to develop a general model for asbestos use in the vessel. It is clear that the lack of homogeneity inherent in a vessel's construction as well as the repairs and renovations done can distort results of the general model that was initially defined. However, it is impossible to characterize all the materials found without sampling every pipe segment; wall; irregular section of piping; heating, ventilation and air conditioning (HVAC) system; ceiling tile; etc. As a result, the inspector relied on bulk samples to visually identify similar materials containing asbestos. Even if the experiment demonstrated that our methodology was reliable and practical, it should be noted that materials that resemble each other may contain different kinds of asbestos.

2.4.4 Analytical methods

During the study, suspected materials were visually identified on the basis of the inspector's knowledge of the historical use of ACM. When materials were not sampled in advance, visual inspections were accompanied by the analysis of a limited number of bulk samples. For this study, a total of 65 samples were taken and analyzed by International Asbestos Testing Laboratories (IATL).

The identification of bulk samples was done using polarized light microscopy (PLM), and the confirmation of the presence and kind of asbestos was obtained using light microscopy by dispersion staining. Analytic methods followed the procedures for identifying bulk asbestos samples according to the Institut de recherche Robert-Sauvé en santé et en sécurité du travail (IRSST) 244-1 method and the procedures defined in the 600/R-93/116 method (July 1993) of the United States' Environmental Protection Agency (EPA). IATL's laboratories completed the analyses. IATL was certified by the National Institute of Standards and Technology through its National Voluntary Laboratory Accreditation Program (NVLAP) with respect to the selective test methods for identifying asbestos in bulk samples. Appendix I contains details of the analysis results.

When results of the samples' analysis showed an asbestos-fibre concentration of less than 0.1%, the samples were considered to be asbestos-free under the applicable provincial regulations.

2.4.5 Data sheets

The inspector collated the information collected at each inspected location on an individual field data sheet. The information obtained was then entered into our HMIS database. The sheets indicated the presence or absence of ACM for the following sections:

- Floors (decks)
- Ceilings
- Walls and bulkheads
- Pipe
- Framing
- Channelization
- Mechanical equipment
- Other

The information in the database found in Appendix II will be used as a quick reference for maintenance workers, should interventions be required in a specific location or place. The "condition" and "accessibility" of each material were recorded on a sheet. These terms are defined in Appendix III.

As defined in our mandate, the amounts presented are approximate and based on a visual inspection. They were not determined on a sound and reliable basis; they were subject to a brief visual examination. Furthermore, these data should not be used for budgetary purposes. However, (especially for pipe insulation) it should be noted that the failure to remove all the ceilings, walls, etc. prevented the inspection and identification of all asbestos-containing materials aboard the vessel.

Appendix II presents a "Data Sheet Guide and Client Key" as well as a summary of the numeric and alphabetical codes that were used.

2.4.6 Study limitations

A number of limitations have been indicated throughout this study. The user of said study acknowledges that some limitations exist with respect to the investigation's thoroughness. Some of these limitations have already been mentioned above.

Field observations, surveys and analyses were done according to industry standards and contain enough detail to be deemed a reasonable source in the assessment of hazardous asbestos-containing substances on this property. With respect to the site under study, Gesfor guarantees that the conclusions in this study were issued in compliance with generally accepted asbestos inventory methods.

These assessment methods were developed to provide the Client with any information that would present a clear path to the possible existence of hazardous conditions on said property, but they are limited to the conditions observed and to the information that was available at the time of the visit and the survey. It is likely that existing conditions may not have been clearly identified by the scope of the assessment or that they had been hidden at the time of the inspection visit. Gesfor is confident that the data collected during the study of said property are reliable. However, Gesfor cannot guarantee that the information provided is entirely complete or accurate beyond current industry standards for asbestos expertise. No other implicit or explicit guarantee is provided.

3.1 DISCUSSION

The following titles summarize the ACM results obtained and discussed below:

3.1 Sprayed or trowelled fire retardants or thermal insulation,

3.2 Textured finishes (for decorative or acoustic purposes).

3.3 Pipe insulation,

3.4 Ventilation duct insulation,

3.5 Insulation of high-temperature machinery,

3.6 Bulkheads and ceilings,

3.7 Deck-covering materials (i.e., floor-covering products),

3.8 Insulation and sealing of doors, hatches and scuttles,

3.9 Other asbestos-containing materials,

3.10 Suspected materials.

The sample numbers (Sample SXXX) cited below refer to the bulk analysis results found in Appendix I.

Location numbers (Location XXX) appear in abscissa in the Location Table presented in Appendix II-B and are listed on the data sheets in Appendix II. The following information is a summary of results presented in the data sheets. Please refer to Appendix II for complete information on the observations made for each of the surveyed locations.

3.2 Sprayed or trowelled fire retardants or thermal insulation

Sprayed or trowelled fire retardants and thermal insulation were not found on the vessel.

3.3 Textured finishes

Textured finishes were not seen on the vessel.

3.4 Pipe insulation

The rectilinear sections of the heating system's hot water pipe are insulated with preformed white blocks wrapped in canvas. A representative sampling of blocks was taken at different places and none of the results indicate the presence of asbestos (Samples S0001, S0003, S0004, S0012, S0020 and S0023). A painted canvas contains 50% chrysotile asbestos (Sample S0022). Please refer to Appendix II for complete information on the amounts, locations and conditions of asbestos. All of the rectilinear sections of the heating system's hot water pipe were in GOOD condition at the time of the study at all of the locations where they were found during the survey, except for one (1) linear foot in POOR condition in the A/C #2-3 room on the boat deck (Location 029).

Parging cement has been applied to the irregular sections of the heating system's hot water pipe. A representative sampling of the parging cement was taken at different places and the results indicate the presence of 75% chrysotile asbestos (Samples S0002 and S0021). Please refer to Appendix II for complete information on the amounts, locations and conditions of asbestos. The parging cement was in GOOD condition at all of the locations where it was found during the survey, except for one (1) elbow in FAIR condition in A/C #5 of the upper deck (Location 023). Some of the vessel's pipes are not insulated or are insulated with products that do not contain asbestos.

3.5 Ventilation duct insulation

The ventilation ducts are insulated with fibreglass wrapped in canvas.

The toilets' drainage, waste and vent ducts normally encountered are not insulated.

3.6 Insulation of high-temperature machinery

3.6.1 Main propulsion

There are five (5) engines on the tank deck and none are insulated. The main propulsion's ducts (gas outlets) are insulated with canvas-covered white blocks. A representative sampling was taken from several places on the ducts and the results did not indicate the presence of asbestos in the insulating material (Samples S0006, S0009, S0013, S0016 and S0018).

3.6.2 Generators

The main generators, found on the tank deck, are not insulated. The generator ducts are insulated with white blocks similar to those insulating the main propulsion ducts. The insulation contains 0.1 to 15% chrysotile asbestos (Samples S0010 and S0019). Please refer to Appendix II for complete information on the amounts, locations and conditions of asbestos. All of the generators' exhaust outlets were in GOOD condition at the time of the study at all locations where they were found during the survey.

3.6.3 Emergency generators, incinerator and compressor

The insulation on the emergency generator's exhaust pipe, which is found in the emergency generator room on the officers' deck (Location 031) does not contain asbestos (Sample S0024).

The incinerator exhaust outlet in the main deck's incinerator room (Location 014) and in the main deck's engine rooms (Location 013 and 015) are insulated with insulation blocks similar to those found on the generators' exhaust outlets. The insulation contains 0.1 to 15% chrysotile asbestos (Samples S0011 and S015). Please refer to Appendix II for complete information on the amounts, locations and conditions of asbestos. All of the asbestos-containing insulation on the exhaust outlets was in GOOD condition at all of the locations where it was found during the survey, except for one (1) linear foot in FAIR condition, which was found on the incinerator exhaust duct on the main deck (Location 014).

The compressor's exhaust pipes in the main deck's engine room (Location 013) and in the upper deck's engine room (Location 015) are insulated with insulation blocks similar to those found on the generators' exhaust outlets. The insulation contains 85% chrysotile asbestos (Sample S0007). Please refer to Appendix II for complete information on the amounts, locations and conditions of asbestos. All of the asbestos-containing insulation on the exhaust outlets was in GOOD condition at all of the locations where it was found during the survey.

3.7 Bulkheads and ceilings

Normal insulation for bulkheads and ceilings, except for sprayed materials at issue in Section 3.1, consists of asbestos-free plasterboard panels. Twenty-nine (29) samples of this material were taken on the vessel, and the analysis did not reveal any trace of any asbestos (Samples S0032, S0036 to S0039, S0041 to S0047, and S0049 to S0065).

A certain kind of ceiling tile was seen on the vessel. A sample was taken from the corridor on the main deck (Location 038), and results indicated the absence of asbestos (Sample S0034).

3.8 Deck-covering materials

3.8.1 Vinyl sheet flooring

A type of vinyl sheet flooring was seen in the engineering office on the upper deck (Sample S0048, Location 102) and analysis of the sample indicated the absence of asbestos.

A new type of vinyl sheet flooring, installed between 2010 and 2011, was seen in many of the vessel's cabins. This floor covering is considered to be asbestos-free.

A blue-turquoise, beige, orange and grey levelling coating was seen in the bathrooms (Locations 99, 103, 108, 112, 116, 137 and 140), in an entrance hall (Location 98) and in the pharmacy (Location 97).

3.8.2 Vinyl floor tiles

Different types of vinyl floor tiles were seen on the vessel. The following is a summary of the covering materials found aboard the ship:

- In 2007, olive-coloured vinyl floor tiles measuring 1 ft^2 were sampled in the main deck's canteen store (Location 033) and were found to contain 0.1 to 1% chrysotile asbestos (Sample S0031). The inspection done in April 2013 showed that the olive-coloured vinyl floor tiles measuring 1 ft^2 had almost all been replaced with a flexible, linoleum-like floor covering in beige with a white and grey wave pattern. According to the vessel's occupants, this linoleum was installed between 2010 and 2011, so it was considered to be asbestos-free. Please refer to Appendix II for complete information on the amounts, locations and conditions of asbestos. All tiles observed were in GOOD condition at the time of the survey.

- Black vinyl floor tiles measuring 1 ft^2 were sampled in the main deck's corridor (Location 038) and did not contain asbestos (Sample S0025).

- Blue vinyl floor tiles measuring 1 ft^2 were sampled in the main deck's corridor (Location 038) and did not contain asbestos (Sample S0026).

- Green vinyl floor tiles measuring 1 ft^2 were sampled in the main deck's corridor (Location 038) and did not contain asbestos (Sample S0033).

- Red vinyl floor tiles measuring 1 ft^2 were sampled in the main deck's corridor (Location 038) and did not contain asbestos (Sample S0033).

- Beige vinyl floor tiles measuring 1 ft^2 were sampled in the main deck's cafeteria (Location 038) and did not contain asbestos (Sample S0027).

- Grey vinyl floor tiles measuring 1 ft^2 were sampled in the main deck's cafeteria (Location 042) and did not contain asbestos (Sample S0029).

- Beige vinyl floor tiles with brown lines measuring 1 ft^2 were sampled in the main deck's cabin (Location 061) and did not contain asbestos (Sample S0040).
- Turquoise vinyl floor tiles measuring 1 ft^2 were sampled in the main deck's recreation room (Location 069) and did not contain asbestos (Sample S0030).
- White vinyl floor tiles measuring 1 ft^2 were sampled in the upper deck's dispensary (Location 097) and did not contain asbestos (Sample S0028).

3.9 Asbestos-cement products

No asbestos-cement products were seen on the vessel.

3.10 Other asbestos-containing materials

"Oil-cleaning" furnace covered with painted insulating paper was found in the propulsion room on the engine deck (Location 007). This paper contained 50% chrysotile asbestos (Sample S0008) and was noted as being in GOOD condition.

3.11 Suspected materials

In addition to the ACMs described earlier, a certain number of other materials that might contain asbestos may be present in the vessel. These materials are catalogued under the heading "Materials containing or suspected of containing asbestos." The need to demolish or dismantle equipment as well as a lack of accessibility limited our ability to determine their asbestos content.

Inaccessible materials or those that could not be sampled without demolition, dismantlement or irreparable damage include: engine components or cabling, lights, high-voltage wiring, mechanical gaskets and packing, and the materials found inside lights, switching mechanisms and transformers.

4.1 RECOMMENDATIONS

4.2 General recommendations

Given that asbestos-containing materials were found in the vessel, an Asbestos Management Program (AMP) must be implemented immediately. The AMP for the vessel under study is found in Appendix IV. A complete copy of this study, including the AMP, must be kept aboard the vessel.

4.3 Specific recommendations

1. All ACMs must be removed from the areas involved in a modernization program or before undertaking any repair. Moreover, for practical reasons, all friable asbestos must be removed before beginning maintenance or conversion work that could significantly alter materials. Any alteration of an ACM must be done in compliance with the appropriate procedures for the classification of work to be done. Removing or repairing parging cement must be done according to the procedures for Moderate asbestos risk (Type 2) using the glove bag method. Preventive removal or repair is required on one (1) elbow in FAIR condition in the A/C #5 room on the upper deck (Location 023).

2. The removal or repair of insulating blocks in the vessel must be done according to the procedures for Moderate asbestos risk (Type 2) using the glove bag method, if applicable, or using the procedures for Moderate asbestos risk (Type2) to High risk (Type 3), depending on the extent of the work to be done. Preventive removal or repair is required on one section measuring one (1) linear foot in FAIR condition, which was found on the incinerator's exhaust duct on the main deck (Location 014).

3. The removal or repair of asbestos-containing canvas must be done according to the procedures for Low asbestos risk (Type 1), providing that manual or mechanical tools connected to a vacuum equipped with a HEPA filter are used. Otherwise, procedures for High risk (Type 3) must be followed. Preventive removal or repair is required on one (1) linear foot in POOR condition in the A/C #2-3 room. (Location 029).

4. The removal of asbestos-containing insulating paper must be done according to the procedures for Low asbestos risk (Type 1), providing that manual or mechanical tools connected to a vacuum equipped with a HEPA filter are used. Otherwise, procedures for High risk (Type 3) must be followed. No preventive removal or repair is currently required.

5. The removal of floor tiles must be done according to the procedures for Low asbestos risk (Type 1), providing that manual or mechanical tools linked by a vacuum equipped with HEPA filters are used. Otherwise, a procedure for High risk (Type 3) is required. No preventive removal or repair is currently required.

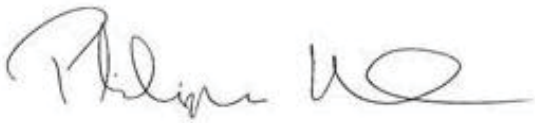
6. Sampling suspected materials prior to altering them. Be aware of materials that may be hidden behind bulkheads or a suspended ceiling system (when the latter will be affected by the work).

7. In all cases where ACMs will be altered, develop the requisite plans and specifications, providing details of the scope of the work and the work procedures to be employed during ACM removal.

Prepared by

Marie-Josée Blais, Eng.
Project Lead
Asbestos and hazardous materials
Le Groupe Gesfor Poirier, Pinchin inc.

Revised by



Philippe Nantais, Eng.
Project Lead – Team Leader
Asbestos and hazardous materials
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APPENDIX I

RESULTS OF ANALYSIS OF BULK SAMPLES OF MATERIALS TESTED FOR ASBESTOS

IATL International Asbestos Testing Laboratories

16000 HoriZon Waytlnit lOO Ml Lallrd, N108054
T•lopb- 856·231-9449 F.., 156-231-9818

CERTIFICATE OF ANALYSIS

Client: Pincbin LeB!ancEnv'l Ltd.
42 Dorey Avenue
Dartmouth NS B3B OBl

Deport Date: 2/27/2007
Project: CCGS; Pierre-Radisson
l'roject No.: MA11 166-PLE

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2852956
Client No.: S-01
Description / Location: White Insulation
Location #001

%Asb!!$los	Type	%Non-As]Je,oda!I Fibrpus Material	Type	%NOD-Fibrous M>teria1
None Detected	None Detected	20	Fibrous Glass	70
		IO	Synthetic	

Lab No.: 2852957
Client No.: S-Ol
Description / Location: Grey J.usulation
Location #00l

% A11bllll;Q1	Im	2il'\'an-	Fibrous Memial	Tuml	%Non-Fibrouo Material
15	Cbcysotil•		Nono o.ieoted	Nono Dot<de<l	*25*

Lab No.: 2$52958
Cliont No.: S-03
Description / Location: White Insulation
Location #002

% Asbestos	Type	% Non-Asbestos Fibrous Material	%N011"Fibttrus Material
None Detected	None Detected	25	*15*

Lab No.: 2852959
Client No.: S-04
ll'"lcriplion / Location: White fnoulation
Looalion *N004*

%;f:.11bG1t.m	ll:i!!	Non-Asbestos Fibrous MamaJ	hm	%Non-l'ibro!!!Material
Nono Detected	Nooe Octoctcd	25	SjnUiolic	*15*

NIST-NVLAP No. 101165-0 NY-DOH No.11021 AHIA Lab No. 100188

This CfJlf/idmfial011ralalnon{yto thruJo *1!11m(.t)mead and* iforsnr.ifrqrur.ri!anl!!lldom"llJ6nr *by NIST-NVL4./i', IJ1HA otmiy* agdJley *Of ihl U.S.* gowrrnmnl *Thisnport sbaU* llC!! *bel'fProductd pl infiliL 'lriihoiu wrlrtBH apJlmmJq/115* hzb<ir<!l/4)1)'.

Analysis Method: EPA 600/R-93/116

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Analysis Perfomied By: L. Solebello Approved'By: _____

Date: 2(27/2007

FnmkE.-Id, 111
l.aboratol)' Dirmor

IATL International AsbClltos Testing Laboratories

16000 Horizon Way Unit JOO Ml Laure NJ 08054
Telephone; 8'1!-231-9449 r...:856-23!-!>818

CERTIFICATE OF ANALYSIS

Client: Pinclrin LeBlanc Env'l Ltd.
42 Dorey Avenue
Danmouth NS B3B OBI

Report Date: 2/27/2007
Project: CCGS; Pierre.Radisson
Project No.: MA11166-PLE

BULK SAMPLE ANALYSIS SUMMARY

l'..ab No.: 2852960 Descrip!lon / Location: White Insolatioo
Cllent No.: S-05 Looation #004

%Asbooto.	Type	% Non-Asbcstos Fibrous Material	%Non-Fibrous Matc:rial
Nono Detectod	None Detectsd	25	7S

Lab No.: 2852961 Description / Location: Wbite Insulltion
Client No.: S-06 Localion #004

% Asbairtm	Tvne	%Non-Ashesta!! Fibrous M'.nferla.I	Type	%Non-Fihtgw; Ma:te:tial
None Detected	None Detcoted	ID	Fibrous Gluss	90

Lab No.: 2852962 Description / Location: White Insulation
Cllent No.: S-07 Loeation #OOS

% Ashestos	Type	%Non-Asb"'P•Fibroo M'!lmiaj	Type	%Non·Fihmw! Material
85	Chrysotile	NonoDct.red	None Detected	15

Lab No.: 2852963 Description / Location: Grey Insulation
Client No.: S-08 Location #007

% Asbestos	Type	%Non-Asbestos Fibroo• M"!lmiaj	Type	%Non-Fibtous Material
m	Chrysotile	T"""" 10	Brucite Cellulose	40

NIST-NVLAP No. 101165_. NY-DOH No.11021 AIHA Lab No. 100188

771ta 'lftdi:nriolnstJm: nilalaol'l{v 1p inm(.r}tl.rted'7m'l. m)t 1'8prt.1'11'11t tm nmr:nc byNln'-NrtUP, AllfA or illl)t ogMqv oftM U.S.,pw"nllllll!'lilt :rhf.t"'Jl'Ol'lshallnM n;pmdu.t:edm:spt'ln.fU11,'l!ilhiiLtr'lfltell QJJJ»11'"1lqftltl! -

Analysis Method: EPA 600/R-93/116

Comments: (PC) IncUCiillllll!i StmificdPoint CQUntM«h,od . lli:it BilWllematatod, Sim.IIubsslO!IfibcmmayRnWisei:JbynMdntmwaolulkmlimil;il!'gflll'a!'lhaC,Plical mk:rosc:opC!. l'hetelbre. negative: PLMR:SUIli CimlOtbcguarmtccd, BledNll MctOSCOpf canbe: w;tll:InfhaiA.gtcdmiquc. Rc.gW1imir:iabasedupmdie lllDplcmairill:. Qttantificalion at <0.25% by'VQIisJIC!Bl!iblc with!hi:;.mcihod. Analysla inllludcs.allWtlDct.MpaNblclaytmin ;wi!lMIL.EPA 600Method. If fl!JIorodlcrwDcnoted, layer is cith!!l'ruir.ptesent: arthll client. bu $p{:;!i1Icallvrcqucsr.:d am it.notb•wlv:zcd.

Analysis Performed By: L. Solebello

Date: 2127/2007

IATL International Asbestos Testing Laborat0iks

16000 llorlZon Way Unit 100 Mt. Laun!.NJOS054
Tol'!'h<mo: 8S6 231 9449 F"" 8'6·231'.1'18

CERTIFICATE OF ANALYSIS

Client: Pinchin Lc'Blanc Env'l Ltd.
42 Dotey Avenue
Dartmouth NS B3B OB!

Report Dat.e: 2127/2007
Project: CCGS; Pierre-Radisson
Project No.: MA11166-PLE

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2852964
Client No.: S..09
Description / LoClltion: Wbitelllrown Insil!atitlll
Location #012

% Al''''''''		% Non-Asbestos Fibrous Material		¹@Nm-Pihrnu11 Material
Nooe Dotoctcd	NonoD$1:t<:d	5	Type	70
		25	Synthetic Fibrous Glass	

Lab No.; 2852965
Client No.: S·IO
n.crlption / Location: OJ;J;.Wbito/Wbite Insulation
Locetion #012

%.Asbestru;	Ayps	%Non- Jl\brous M.....I		%Non Fib!on•Mnlcrial
	Chrysotile	1!	Synthetic	70
		Tra«	Fibrous Glass	

Lab No.: 2852966
Clienl No.: S-ll
Description / Location: Whitc/Gtey Jw;nlation
Location #013

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	%Non-:Ebnm; Mawrial
15	Chrysotile	15	Fibrous Glass	70

Lab No.: 2852967
Cllent No.: S-12
Description / LoClltion: OJI-White ln$Ulation
Location #015

% Asbestos		% Non-Asbestos Fibrous Material	Im!	% Non-Fibrous Materinl
NonoDctootcd	NonoDotootod	20	Syalhetio	7S
		5	Fibrous Gian;	

NISt-NVLAP No. 101165-0 NY-DOH No. 11021 AIHA Lab No. 100188

Timti(lrffi&!ntlal rwportn.1¢.U ol1{v m lf.lo.rs in(6) 1amd fDlli day no: 11!pmen1 an 11114orr1mMt by NIST.NYUP,Allf.4 or agtil19' of'lhs US. guiipn,,mnl 'l'ld!! 1'6JO1'.lJ/QU not be cedsxt:e]ltin/11.n. izhaurwrltt6n an laboratory.

AualysisMediod: EPA600/R-93/116

Comments: (PC) l!lhie; :Stt.:niGBd PoinL Camu; Mcl!wrl JI· Mclhod. not pmQJmlld uri1£11amcd. SJruill ;:lll(,es?OS; fibcm maybe miDcd by PLM dllfi:10 resolution limiimii:im;. Qf!he t(lticaJ mitmBCopc. 'llm:td' negativi:iPLM Ie&Ulili: Qiiunot l:il!lguuadlcl:d. Ironc:.mbe ui;;d.11$iil:i;il1finniii8 Lcclmiquc. Li111hi!o hamupmi.the snmpk: lllillltii:it Qu;ll1tfi:iaiion at -«>.25% by wlumtl U possible wilh tbi3 mctbod- Analysi& ludca nu. disepatablc laycn in ce wilh:!PA600 Melbod. Itn;repmrad r11 olhcrwiH: noicll, llJ)"Cl'i;;)lheirnot pttscnt or Yi;.diirat h specifically rcquetbaLitnol be.analyzed.

Analysis Perfontted By: L. Solebcllo

Date: 2/2712007

P"8"hi'l7

IATL International Asbestos Testing Labotatories

'GODO Horlzon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-!144 l'ax: 856-231-!>818

CERTIFICATE OF ANALYSIS

Client: Pincllin LeBlanc Env'l Ltd.
42 Dorey Avenue
Dartmouth NS B3B OB1

Report Diiie: 2/27/2007
Projeet: COOS; Piette-Radisson
Project No.: M.\l 1l66-PLE

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2852968
Client No.: S-13

Description / Location: Off-White Insulation
Looatimi #015

% Asbestos		%N'on-&bcsloa Fil:rrom: Material	Type	%Nop:Fjbmwr. Material
None Detected	NoocDctoc!ed	20	Synthetic	7S
		S	Fibrous Glass	

Lab No.: 2852969
Client No.: S-14

Description / Location: White Insulation
Location #O!S

% A.!lbestoa		%N'an-.A!'bestos FibMU§ Matarial	Type	% Non-Fibrous Material
No111c Detcctri:d	NoneOcloch:d	25	Synthetic	75
		Traoo	Fibrous Glass	

Lab No,: 2852970
Client No.: S-15

Descri}>tlon / Location: Grey l'rlsulali.on
Location #O!S

%Asbest!>s	Type	% Non-Asbestos Fibrous Material	Type	%Nnn-Fihrwi; Material
PCTw:o	Chrysotile	30	Fibrous Glass	70

Lab No.: 2852971
Client No.: S-16

Description / Location: White Insule.tion
Location #016

%A>bootoo	ll!!!!	%No!kA!bmos Eibrnu•M>lcri>l	TYPO	%JS:on-Piiu!Ys Malcrinl
None DotocU:d	NoneDoteotod	11	Syntholio	7S

NIST-NVLA.l'No. 101 165-0 NY-DOH No.11021 AIHA Lab No. 100188

Tlis dtltillt.rl/t1JJr>rl nbcin {v 10dzOJBirMlf(a) tear"1'"1ddc,JcJRt:lr &nene1onemmr?uNIS'T..f{Y[AP.AIHA Ol'Qn}"1g6n"1'Qftht: U.S. mhJ6JU Tbi8npf>IT.Meill not U4! rqradad m:ept tnftt ll. wifh11iirwn111mapptOVal!!{tlutJ,gbon1to1y.

Analysis Method: EPA 600/R-93/116

Comments: (PC)IndStliIlIlIledPCllntCauniMtihodpcdbnn;ci, MMlaodnalpcrfomicd. unless & small stos:fibmmuybemi5;;1i1b)i'PL.Mdne10rcaohllion.limi1if.ion& o!llll!!opiiGal ll:licroacopc. 'lhcRfori:i, 1:1.egariw PLM rc:sultl cmrurtb;IJlliil"illl- ElecrtM Microacopy cm be cmtirmq,tcchn!qgc. Regal.DIOJ)'Limitislmsfld UpOO.lhc:11mplcmatrix. Qran\i:tbtiou .lat<0.2S% byvollllDC illpoiSible "lith tlii!l me.l:hod.. Analy!il ind.U di$cii'la. 18parablc laym in1Ml!Xmfan1t= Vriib EPA 600 Mclhcd lfnotd wi:itbetw.i!lc mltfid, Jaylll' .is ekhcr not or(la; eotbu specifically mq1:1C&tcd iimtbe: analy!:d.

Analysis Performed By: L. Solebello

Date: 2127/2007

IATL International AsbestC).'I TeJting Laboramries

l6000 Horizon Way Uoit 100 Mt. Lawel, NJ 08054
TdepbOJlO: 5511-231-9449 Fax: 856 231-9818

CERTIFICATE OF ANALYSIS

Client: Pinchin LeBianc Env'l Ltd.

42 Dorey Avenue
Dsrtmcutb NS B3B OB1

Report Date: 2127/2007

Project: CCGS; Pierre-Radisson
Project No.: MAlll66-PLE

BULK SAMPLE ANALYSIS SUMMARY

Lllb No.: 2852972
Client No.: S-17

Description / Location: 'White l'Dsulation Lcoatioll.#016

% Asbestos	Type	% Ngg-Asbe§t9! Fibre Material	% Non-Fibrous Material
None Detected	None Detected		75

Lab No.: 2852973
Cli•11tNo.: S-18

Description / Location: White Insulation
Location #017

% Asbestos		% Non-Asbestos Fibrous Material	% Non-Fibrous Material
None Dcu:eted	None Detootod	25	75

Lab No.: 2852974
Client No.: 8 9

Description / Location: White/lan fusulatian
Location #017

% A,.bcstas	Type	%Nan-AlbostosFjbrpm Ma?mal	Type	%NO!t:Fibrous Material
PC Trnce	Chrysotile	IS 15	Synthetic Fibrous Glass	70

Lab No.: 28ol975
Client No.: S20

Description / Loe11tion: White Insulation
Location #01 9

% Asbestos	Type	% Ngg.&h'lkls Fibrous Mafcriol	1'Yl!!!	% Non-Fibrous Material
None Detected	None Detected	20 10	!fyntho!io Fibrous Glass	70

NIST-NVLAP No.101165-0 NY-DOH No. 11021 AIHA Lab No.100188

'lbi& co'1,/itis11Jitd l'epDrt nklrci-onbi w dlo.w iwrn'(.:i) wtsd and 11DCmpmen wil!lllhne1 ll 1ml. fo. 'Nl&T-Nl'l.4P, AJHA 01'mipagnii:y (lj'ths U.S. BO"'-mllllMt l'tlJJOTt IW riarb11 repmdv-11!tedJ1ri11,fitlL '11'i1houtlrit1111 flFltoWJ.r ofllts

Analysis Mothorl: EPMOOIR-93/116

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Analysis Performed By: I.Soello

Date: 2121l2007

IATL International Asbestos Testing Laboratories

l6000 Horizon Way l&iil lOO Mt. Lmliel, N/080S4
Tolcpbonc: 8 6-2:31-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Plm:hin LeBlanc Env'lLtd.
42 Dorey Avenue
Dartmouth NS B3B OBI

Report Date: 2127/2007
Project: CCGS; Pierre-Radisson
Project No.: MA! 1166-PLE

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2852976 Description / Locallon: Grey Insulation
Client No.: S-21 Location #023

%A$besto§	ms	% Non-Asbestos Fibrous Material		%Nan-Fibrowi Material
70	Cbty<otilo	5	Fibrous Gloss	
		Truce	Bmcite	

Lab No.: 2852977 Description / Locati<lll: Lt.Ten Woven Fiber
Client No.: S-22 Location #029

%A!hMtos	Type	%Non-A!lbc!to& Fibrous Ma:teria1	'6No13.·Fibtma MatsrJal
;o	Chrysotilc	30	20

Lab No.: 2852978 Description / Location: Off.White Insullllion
Client No.: S-23 Location #031

% Asbestos	Dile	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Nono Iletocted	None	S	Fibrous Glass	75
		20	Synthetic	

Lab No.: 2852979 Description / Loc1ti'"1: Whitel'I'an Insulation
Client No.: S-24 Location #031

		% Nan-Asbestos Fibrous MaJeria1	Type	% Non-Fibrous Matcrial
None Dctcmtcd	None l)ctocl1:d	IS	Fibrous Glass	70
		)5	Synthetic	

NIST-NVLAP No. 101165-0 NY-DOH No. 11021 AIHA Lab No. 100188

Analysjs Melho<l: El'A600/R-93/116

Comments: Indicar.ea Stramicd Poirn CQunt d d. Memod not pi:rtr;uned. imlm !!ta1cd Small aBbcrklS:libm; m;l)' be mimd by PLM dllc to molutic mlimililtim;l;lflbe OJ'tical mielQ$Cl:lpa, Thue:forc, PLM™111!11 mnnot be guaramccd. Elc;tron cmha medu.actcdm:iqi.ic:. Rc:S'li.r;qy 1.iniit hued upon !beaamplc.mntrix. Quamific&tion at<0,25% by volums BpoH!."bll:.witb1hili mc'Blod, An;tl all;qiar;iblc: inawhhEPA GOO Method. If D ≠ irnotcd. ;.....;."1her.. orthooliemb..'l'"Ofioallyrcq"""d!hat 1\no•boono!yzed

Analysis Performed By: L. Solebello

Date: 2/27/2007

IATL International Asbestos Testing Laboratories

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Tolophone: 856-231-9449 Fox: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Pinchin LeBlanc Env'I Ltd.
42 Dorey Avenue
Dartmouth NS B3B OB1

Report Date: 2/27/2007
Project: CCGS; Pierre-Radisson
Project No.: MAll 166-PLE

BULK SAMPLE ANALYSIS SUMMARY

lab No.: 2852980
Client No.: 8-25
Description / IAlcation: Black Floor l'ile Location #038

% Asbestos		Noo As'hafiloo fibrous Matetial	Type	% Non-Fibrous Material
Nonc 'Deumed	None Detected	None.Dctoof:cd	None Detected	100

Lab No.: 2852980
Client No.: S-25
Des4;:rlption / Location: Black Mastil: Loeation #038
Layel' No.: 2

% bi!beJtga	Dile	%l:!on-&!bcatosF"ab Mabial	Ila!$	% Non-Fibrous Mah:ria!
None Detected	None Deteoto<I	__, Octcined	NODO Deteotod.	100

Lab No.' 2852981
Client No.: $-Z6
Des<ription / Lo<:ation: Blue Floor Tile Lccation #OSS

% Asbestos	Type	%Non-.A!IOOatos Fibrmtf Material	Type	%NFibtnus: Matcriul
None Detected	None Detected	None Detected	None Detected	100

Lsh No.: 2852982
Client No.: S-27
Description / IAlcallon: Tan Floor Tile Location #042

%Am•i	Ill!!!!	%Ng bcstos Fibrous M!teriat	I:m!!	%NDD-Fibrou§ ;Mmrial
N,,,,.lktcotcd	None Dctcde:d	NODcD d.	Nono Dotcciod	100

NIST-NVLAP No. 101165-0 NY-DOH No.11021 AlftA Lab No. 100188

Ti:of/ldentla1 n:port ntlaW' on{vwtht.Milr:m{J} rsJt6d and rzOrr'l!JIYtillnt *an end11f$fmlltl1yN1ST-NVL.4P, , 1JHA or any age"o/fl/dit! U.&.gowrnmsn, 11ds.nrpD1f1htJI11Dl0s riprodilcd* trtl!Ul!.*JnfidL* with 1111! WrittdJt *tlJl.Prov411 qfth/allOl'tJlm'jA*

Amlyoio Mcthod: EPA600IR-93 1116

Commm1$: (PC)Indicates SlmtW;rJ.PWnr. Cowl.l:MC!hocl. pmQnned. Method.not p;t&mned 1lrlltom.J.Cd Smil ii.$fibcm m&ybemimed.b)"PLM due to tc:IKllulion limit. of the mkww;ipe. Thcmfocc.Iqilli l'r.Mresulm c:annot be Elc<:Imllwi. be UllCd BB a ll&l:!!lchniquc. Rcgulmoif Um.it ilil'bucd. upm thc.Hrnplc mwj)t Quantificatl:on &t <0.25 byvolumti ispo&&iblt;i with tliis l11Cthod. .Ano))U. includes all distini:t e Iin.accmdam:c with *Ell*. 600Melhod. If not *M* otherwise nated, Jiyist 1!!;:lll!iithtr tpmcnl: or Um Cl!!!!!!!lwspccifiW!yn:qUeMed. tlwitMt be: lllil/yzeii

Analysis Pl!rformed By: L. Solebello

Date: 2/27/2007

IATL Jntematlonal Asbestos Testing Lltboratorles

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CERTIFICATE OF ANALYSIS

Client: Pinchin LeBianc Env1Ltd.
42 Dorey Avi:nue
Dartmouth NS B3B OBl

Report Date: 2127/2007
l'roject: CCGS; Pierre-Radisson
Project No.; MA11166 PLE

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 285:<98
Client No.: S-28
Description / Location: Off-White Floor Tile
Location #097

%A!b!!19!	Type	%Non-A!IJ"'°' Fibrous M!!!Oria!	Type	%Non-Fibrnui; Material
None Dclect:d	None Detected	None Det""d	None Detected	DO

Lab No.: 2852984
Client No.: S-29
Description / Location: Grey Floor Tile
Location #042

%Alb!!!O,!	Type	%N(m-Ap591;PibraWi Material	Type	%Non-Fibroos M!!etjal
:N:mc Dmeted	None Detected	None Detected	None Detected	100

Lab No.: 2852985
Client No.: S-30
De.1orlplion I Location: GteenFloorTile
LO<:Sl:ion #069

% Asbestos	Type	%Non-Asbp Flbroua Material	Type	%Non-Pib:nm1i Materi@J
None Detected	None Detected	Nono Det..t<:d	None Detected	100

NIST-NVLAP No. 101165-0 NY-DOH No. 11021 A1HA Lab No.100188

'lhU dtnrial report Jw1p.:(Inly mthon ii:sm(:r) ll!lmd tmd ifH8 no n=prltan 1ndammcm1. by NJST-M'LA.P, A11i4 or ag111 fJ/lM r).S.aowrnm1nr 71tt:npt;rt..JhtJ1muNnpro datil',Ptinftiu. wffharir'lll'fll!lMi1;1pproval o[thf rtll)t

Analysis Method: EPA 600/R-93/116

Cammentmi (PC) Indic: Stra.!11i'ed.Polm: Caunt.Metl¥:id d. Mclh.od peti omtcd unlclrs 5tmd. Small astos:fibm m;i.y by PLM dlR to Je$Clulion limitatiorul ofb qpticlil lbl'C, ncgativcPLMtsllhs taMOtbc gIIIIrtlnteed.. :GleCtt011Micm;opy c;J),_bl!lmedua p.. RtmyLiml ilbasm:lup0n l:bc1mipl;mitriit. Qlanrification lt<O.JS.% bywl.um.c ia pom"blwllh 1hi1;mclbod. iucb.k:M!:; all distill;! scpmi11le)¥t.t;idaccordlllICC!widl EPf>, 600 Mcchod. If n°' rcpmU:d ot atbclwire lll}'Cl'i;.erilhetllOtprcacnt or clieathasapcelfli;auyRqUl!!lltedthatitDOCbe:lllill.

Analysis l"erfonned By: L. Solebello

Date: 2127/2007

IATL Jnternatlonàllbestos Testing Laboratories

16000 Horizon W•yUnit 100 Mt. l,aun: NJ 08054
Tcbphono, 856·23!-!.1449 Far. 8S6-231-9818

CERTIFICATE OF ANALYSIS

Client: Pincbin Lell!ancEnv'l Ltd.
42 Dorey Avenue
Dartmouth NS B3B OB1

Report)>ate: 212712007
Project: CCGS; Pierre-Radisson
Project No.: MAl 1166-PLE

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2852986
Client No.: S-31

Description / Location: Qreon/Tan Fl001" Tile
Location #033

% Asbcirtpa	Type	% Ngn-Allbcltoi; FihtollJ Material	Type	%Non-Fibrous M.aterlal
PCO.S	Chrysotile	NlIllo ilele<ted	None Detected	PC99,5

Lah No.: 2852986
Client No.: S-31

Dosc:ription / Locatiom Biaek Mastic
Location #033

Layer No.: 2

%Asb01!9'	‹IY.11!	%Noo-Asl?ssto!!p;bro., M>terial		%N!!!1:Fl'brovs Mnh:rial
NonoDctce!>d	Nono Detected	None: Detected	None Detected	100

Lab No.: 2852987
Client No.: S-32

D•••ription / Location: S11mple Not Analyzed

%Asbes!Q!j,	%Nan-At!hcstos Fibrow; Mataial	%'Non-Fihtws M!t:etjal
Smnplo Not Analyzed	Sample Not Analyzed	

Lab No.: 2852988
Client No.: S-33

De1eriptloo / Location: Green Floor Tile
Location #038

% A>bp!ls	%Non A!he!ttl Ftmpus Maicri..,I	Type	% Non-Fibrous Material
None Detected	Nono Dctocted	Noc	None Detected	100

NIST-NVLAP No.101165-0 NY-DOH No. 11021 AIHA Lab No. 100188

TlrlKCOI?/idmti l n!ponre!Qtes only t.o lho$l! item(.r) resll?fl rmtl dots riot mpmenf an *ndrt1am by NJSI'-NJIUP, A!HA or ny agenq of du! U.S. gowrnmenl*
This report.Jfutll nor lie NJITOtiw'rd lHfalL wltilollr wrilmrl. *1.1ppl'OVQJ' qf* fhr '1-

Ail>l)oisMolhod: EFA600ffl.-93/116

Comments: (PC)Indl.cata StnlifilMl.Painl:CountMclhod petfmmcd. Method not pt(,(btmed tmlc:n 1SipaU ubeslas fibcmmny bi: hyPLMductomol\lti(IJJ lilatkm afth; optbl miaCl!tflJ:'C.. 'lhcrcforc1 g;tfiVe PlMrcaular cmm.Qtbl!l :aItronMi.tte 4lan.bc itlOafiimingtcclmiqnc. &iDb;i!¢ryLi.toiti1 baac:dupon tlni:ll!lmatrix QuamificlUon ill<0..2S% byvohlmc isp;Qibla with dlir method, J',nalym ini:ludcs nil Gi;;tincl: .sei:iarablc !&ymr. inrtLince with EPA 600 Mdiod. Jf not ropoltcld or o;hcl\llkl! noted, layu.is either not. pri:smit ot lhcclicmha& tp15Ci.G!lally rcquca;ed itnet l:iaaMlyml

Analysis Performed By: L.Solebello

Date: 2/27/2007

IATL Intcrnatiooal Asbestos Testliig Laboratories

l6000 HorizonWoyUnit lOO Mt.].aurcJ, NJOSOS4
Tclophoru>: SSl>-231-9449 Fax: 8S6 2>l-!l8l8

CERTIFICATE OF ANALYSIS

Client: Piru:hin LeBlanc Env'l Ltd.
42 Dorey Avenue
Dartmouth NS B3B OBl

Report Date: 2/27 12007
Project: CCGS; Pierre-Radisson
Project No.: MAl 1 166-PLE

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2852989 Description / Location: Lt.Grey Ceiling Tile
Client No.: S-34 Location #038

obAsb!!&l.Dfi	Type	%Non-.Ashg•fibrous Material		% Non-Flbrou:s Mareri!ll
Nono Octcctod	None Detected	70	FibroosGI""	30

Lab No.: 2852990 Description / location: Red Floor Tile
Client No.: S-35 Location #038

%A bg$!@

		% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None D<t<:ctcd	NoneOcmcted	None Detected	None Detected	100

Lab No.: 28S2991 Description / Location: White/Pink Fibrous
Client No.: S-36 Location #042

%Asbl!!!!!!		21!NP.U Asbt:stru; Fibrm!I h{atcrial		%Nm:;fl:'brauR: Material
N-D_,m	NOllO Octcctod	15	Cellulose	60
		2>	FibrousGlua	

Lab No.: 2852992 Description / LocaliOll: Pinkfl'an Fibrous
Client No.: S-37 LocatiOll #045

II:!!!				% :Non-Fibrous. Material
% Asbestos		% Non-Asbestos Fibrous Material	Type	
None Detected	None Delel$!d	2S	Cellulose	60
		IS	Fibrous Glass	

NIST-NVLAP No.101 165-0 NY-DOH No.11021 AIHA Lab No. 100188

TldcanfiilMtialrsport rlalls *iothanif"n(.i)* ltSfd*tmddo1s* rwrnpmd1111111111111.lonmlftril *b,yN:lST.NVIAP,AllJi.1* mvi*apnt;)'ofihe U.S.* gqvitr'mrl.rJttt Tllt.r*Nprt.1haUnotbsreprodum;l*&i11ffill, *wh1Ja11rwr!WntrpprfJWJ1ofthe,.,a1ary.*

Analysis Method: EPA 600/R-93/116

Comments: (PC)Indic:aus Stt.atificd Point Couu1;M'lllMd pcdmmcd. Metbf.rdlnc.rPcdmcd W:lim, Smdr doctrr-a fibcJ;. bemi!!illedbyPLM m;c- 1;1[µ1icn limrtatiim oflh; optical. microol:QPo:i. Ihmcl'orc, ncv;PLM reer.ult!s be g;amni-:1. Electmn MiclOscciwc:in biil&!d H acanfinninl t;cho.iquei. Limit j5 boi$1!ld. ripon'!he&ample mntrix. Qllaill:lflcatlon at <0.2!1,i.byvohlmc iipo&&ibk withdi l'4Cthad. Anlll.y.ii; ini:ludes all diAiru:t eJidatcardaru:c wilb.BPA 000M8lhod. 1fnot n=JI(1arlherwiacnoted. l;lyll!r)& eitbcrno:r.pR:lcnt. cirlhe cli!!td: b1111 apcc:ilkil.Uy d Wiitnot bi;

Analysis Performed 'By: L. SolebeUo

Date: 2/27/2007

IATL International Asbestos Testing Laboratories

16000 Horhon W•y Unit 100 Mt. Laurel, NJ 0&054
Tolopbonc: SS6·2Si..9449 Fax: 8S5-2"1-/.1818

CERTIFICATE OF ANALYSIS

Client: Pinchin LeBianc Env1 Ltd.

42 Dorey Avenue
Dartmouth NS B3B OBI

Report Date: 2/27/2007

Project: CCGS; Pierre--Radil!son
Project No.: MA11166-PLE

BULK SAMPLE ANALYSIS SUMMARY

Lib No.: 2852993 Description / Location: Pillk/Tan Fi\m>Us
Client No.: 88 Looation #()49

% Asbestos	Type	NDn-A.!!bestos Fibrous MDierial	!me	%Non·Fibmu• Material
None Detected	None Detected	25	Cclluloso	70
		!	Fibrous Olass	

Lab No.: 2852994 De;criptlon / Location: Pink/Tan Fibrous
Client No.: S-39 Looalioo #054

% Asbcstos	Type	%Nog:A!!bcxtox Fifuyu1; Material	Twe	%Non:Fbrom Mati:rial
None Oct<:ctod	None Detected	35	Cellula&e	60
		S	Fibrous Glas•	

Lib No.: 2852995 Description / LocatlDn: Off-Wbite Floor Tile
Client No.: 8-40 Loolltion #060

% Asbestos		%Non-&be!il.O& Fibmw: Material	Type	% Non-Fibrous Material
None Detected	Nono D<:toolod	Nono Dctcctcd	None Detected	10

Lab No.: 2852996 Description / Location: Pinkl'fan FibIOus
Client No.: S-41 Loom:ion #063

% Asbestos	Type	tiNmi-..boota; Fimous Matorial	:rm	% Non-Fibrous Materinl
None Detected	None Detected	35	Collulose	65

NIST-NVLAP No. 101165-0 NY-DOH No. 11021 AIHA Lab No. 100188

Thl&CDrd'dMli'4 rr:part l"dlare1 on9' ro ilicm{s) Mm!d and doqs nl)t pn!ltnz 011 .indornmiflf !l)'NISI'.NP!AP, AIHA or aw oj'die. US. gt1V6ll'llf6nl 1h1s rep.ortih1211 nor ba rBpTOtiuml 1i11.JWL wttlrm11 wrilfm 'IpprbWIi oj'rbs ltilboratoJY.

Analysis Method: EPA 600/R-93/116

Cvmments: {PC) Indicate& Stmified Poii\l Count Method d Mtlhod not pal'mm;d lllll lm mu:d. Small 111b$to; fibef!.may be missed by PLMd\111:to*°1Ulicm Jimj!ltions of !heoptiYill

mC4pe. Thcrdbrc, ncgi\tl'.v;: PLM mulm cannot begu;nn\ned Elwrota:MicroRq.If cm bl!! mild illa confirmill8 lt11S.Wlotyl.imitb11&Cd upm.lbl!islmlJla mauix..
Qua.nl:i.fi.cation nt<0.25% b,\"volum.ri ispmaibl; wiUI lhliii pthod. Analyail in;hid§all I scpmblc 1l.}'Cni in !!!wiih.EPA *600*M;Uiod, Ti tmt:reparmdar nc;imd,.
l;lye hi. !!!ilha-notprcacntorthe -i:ally rcq11'=*dil!lltil natbt anl!llµcd.

Analysi• Performed Jly: L. Solebello

Date: 2/27l2007

IATL lntemational Asbestos Testing Laboratories

16000 !1ori>oo Way Ullil 100 ML Laurel, N1080;4
Telophone: 6..231-!l44!1 Fax: 8!6-231-9818

CERTIFICATE OF ANALYSIS

Client: Pincbin LeBlanc Env'l Ltd.
42 Dorey Avenue
Dartmouth NS B3BOBI

Report Date: 2/27/2007
Project: CCGS; Piene-Radisson
Project No,: MA11166PLE

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2852997
Client No.: S-42
Jleacripl!on / Location: Sample Not A:ooly.zed

% Asbestos	%Non-Fibroll& M#e:rial	% Non-Fibrous Material
SBmj!loNot	Sample Not Aoalyzcd	

Lab No.: 2852998
Client No.:, $-43
Dtmlption / Looatlon: Pink/Tan Fibrous Loeation#069

% Asbestos	Type	%Noo-Asb• Fibrou. M-.i\	Tvne	%Non-Fibrous Material
None Detected	None Detected	2; S	Cellulose Fibrous Glass	70

Lab No.: 2852999
Cllent No.: S-44
Description / Location: Sample Nol Analy.zed

%Asbestos	%Non-Asb!!!!ln11 Fibrous Material	%Non Fibr...Material
SIDlpleNot	Sample NOi Anold	

Lab No.: 2853000
Client No.: S-45
Description / Location: Sample Net Analyzed

% Asbestos	% Non-A& Fibtpu1 Material	% Non-Fibrous Material
Samplo Not Analyzed	SBmj!IO Not Aoalyzcd	

NIST-NVLAP No. 101165-0 NY-DOH No. 11021 AIHA Lab No. 100188

*Thiscmijidtn/1'4*n|pqrlr'darct.rOJ*ito ill!m{s)* rntft *"11dd1,11tt not l'Bpl'tYMt 11n* QJtiommenr *by.M'ST-M'UP. A1HA rw any* CJPlll!!Y *o/tlls U.S.govm1miin1*
nu-*rgatr.ih."11nCJI*bf*RtMrlexcept*infolt*widro.ld\Whtlnci:pm:1valofrMlabor...*

Comments: {PC) IDWcms S!mtificd P«»nt O'MIIIT. Method pc:dQrmed. Method not p;ri 1:imu=d. lllless swcd. SnwU a(Mies :8bcn ml)'bcmk.i!!"d by PLMdue tolionmitaticm af lhc optii; I miThtrcfmc.'JILMre!IUka C111U10t br:: Elcmtrcm.Mic.mb;w:d'1$;iia:mf' idgtcdmiquc. RcsuJIUOL')'Limlt ilbGRd\IIX'f\tlmswap]c rorrtrix, QuantifJ.llBtian at.<Q.2StA by whmJ:;ii; ble wilb thlli m=lwi;!. (.ma} ysls Wlutk& NI1;111XII.blc Imym in wilhBPA 600 Melhod. Ifnot repcmcd c;ir a!!:mtwise 11 otcd, l!LY'etiscitlu:mot at'di.i:i clicm has pi&allytcq]]rmcd thiit it:nae be atial.ymd.

Analysis Method: EPA 600/R-93/116

A11alysis Perlormed By: L. Solebello

Date '1127/2007

IATL lntemational Asbestos Testing Laboratories

l6000 Horizon Way Ullit l00 Mt. Lautel, NJ 08054
Tolophooe: 856-m-9449 '"'"8 6-2319818

CERTIFICATE OF ANALYSIS

Client: :Pinchin LeBianc Env'l Ltd.
42 Dorey Avenue
Dartmouth NS 13313 OBI

Report Date: 2/27/2007
Project: CCGS; Pierre-Radisson
Project No.: MAIllG6-PLE

BULK SAMPLE ANALYSIS SUMMARY

Lab No.; 2853001
Client No.: 846
Description / Lon!lon: Pink/Tan Fibrous Loellti011 #096

%Asbestpe	Type	% Non-Asbestos Fibrous Material		% Nan-Fibrout Materi!Ll
NMo °"""""d	None Detected	20	Cellulose	70
		10	rl1>ro\ISGlali•	

Lab No.: 2853002
Client No.: S-47
Description / Location: Pink/Tan Fibrous Location #100

%Asbi&pli	Type	% Non-Asbestos Fibrous Material	Type	11,t0 Non-Fib@µs Mamrial
Nono Dot"""d	None Detected	20	Cellulose	70
		10	Fibrous Glass	

Lab No.: 2853003
Client No.: S-48
Doscription / Loca!lon: Tu! Vinyl Sheet Flooring Location #102

% Asbestos	Type	%Ngn-Asbcato.a Fibraw; llitzjal		% Ncn-FibrolJs rial
None Detected	None Detected	20	Ceduloac	
		S	Fibrou:!i Glass	

Lab No.: 2853004
Clltnt No.: S-49
Doscription / Location: Pink!IilD Fibrous LoCltion #109

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	11.& Non-Fibrous Ma!Erla1
None Detected	None Detected	20	Cellulose	70
		10	Fibrous Glass	

NIST-NVLAP No. 101165-0 NY-DOH No. 11021 AillA Lab No. 100188

Thi3 ooljfdfl'llkd ll þttrrr't!lotsi only to OwNicem(s)/t.Jmd.t1nd donnot l'l!.JWS6tll an 61ulci hyMST-MIIJl.P, AJH.11. o.-.my.fJgitlqqf.duc tr!.govtm11:1n1t n,PDl't :shllll - bB'' apr ln,fi.4& wtrhfiW:Wrlil: n approval Q/"tM tabomtmy.

ADalyais Molhod: lll'A600/R.-93/116

Comments: (PC) Indicnttl 5liJied.Point. Count:Melhoclpadoi:mcd. M;fuoc:f.no? imll:sa mtcd. $mall iHbcBto&fibm may bi:inDssed by PLM due 110 R!SO.lmion liinitaiiom of'the mi nep.1v PLMrcsulb1c:amrotbi:iBLWMu:od. Blc;tron Mican.bcusc:d. iiiii gtoobniquc. Rqi.imy Limit i1baaedupon\h $i&t11Jllell'l&lrix. QuamlficationElt<O.l:ibyvolume i11JMJ!i:iilik!1'/ithhis mclhod. .Anal,m intludc!Iallmatin;t Ja:ycrs inacoo wilhiPA600 Method. If DQt ed.erolhmuilc miU!d, &y;r:i5 natorb;liaiLba5:spccifi1:1U:y thatitn11tbc .

Analysis l'erfonned By: L. Solebello

IATL lntemational Asbestos Testing Laboratories
16000 Horizon Way Ullit 100 Mt. Lautel, NJ 08054
Tolophooe: 856-m-9449 '"'"8 6-231 9818

Date: 2127/2007

IATL Intemationll Asbestos Testing Laboratories

l6000 !!orimn Wll'J Unit 100 ML L....i, NJ 08054
Telephone: 8S6-23!-!>449 F"" 8S6.J31-ll818

CERTIFICATE OF ANALYSIS

CUent: Pinchin LeBlanc Env'l Ltd.
42 Dorey Avenlle
Dartmouth NS B3B OBl

Report Date: 212712007
Project: CCGS; Pierre-Radisson
Project No.: MAI1166 PLE

BULK SAMPLE ANALYSIS SUMMARY

Lob No.: 2853005 »••cliption / Location: Pink/Tan Fibrous
Client No.: S-50 Looatioo #119

% Asbestos		%Non-Asbc.'ltosFilgpgtMa1erja1	Type	%Non-Fibrou& Muteri'll
None :Octcctcd	No..J;Jctcotcd	20	Cellulose	70
		10	Fibrous Glass	

Lab No.: 2853006 Description / Location: Pi.nk/Tan Fibrous
Client No.: S-51 Location #125

% Asbcstos	!!:!!Q	% Non-Asbestos Fibrous Material	Type	%N'on-Fibrou1 Material
None Detected	Nona Detected	20	Cellulose	70
		10	Fibrous Glass	

Lab No.: 2853007 Description / Locatioll: P:iilk/TanFibroU5
Client No.: S-52 Lccation #126

% A;.:h"93	Type	%Non-MbfflPS Fibgms MntcriuJ.	Type	% Non-Fibrous Material
None Detected	None Detected	io	Cellulosc	70
		10	Fibrous Glass	

Lab No.: 285:3008 D05criplion / J'.,ocotion: Sample Not Anal
Client No.: 8 53

% Asbestos	%Nan-AR'bcs1m Fibrous. Material	% Non·Rhmrn! Matmial
Sample Not Analyzcd	Sample Notkaiyzed	

NIST-NVLAP No.101165-0 NY-DOH No.11021 AIHA Lab No. 100188

'This CJJtl/id6tftkll repart rtlat&' only to INm s) ldt111dd0d3 not pptl2l an t11dor.rimwJ1 UyNISI'-NJ'f.A1', A1HA or aey agBnf:J' ofIhl:'.T.trcmmment ThM.-p11rt hfll1 not ll8 rgprodrlw.d mfl.J.D. wilbourll1itwria pprtrHIl ofllls labomtorl'.

Analy•is M"1hod: El'/\.GOOIR-93/ll6

Comments: (PC} Ind.Uai.ia Stratified Pclint.CmmtMiilhad pm'bmcd. Mcllwd nll1.p;ft;111ned unlesS;smcd Small ubC!ito;. 'm:!.!/hmined by PLM due to RS1J!ution Jimila!itm. ofthB oritical micro;i;cpe, ncgativt.PLM7'&Ulb. cannotbe&U!fantccd. Ekctran M.d bcwcdasa OODfimiing k!llil. ti;iLllata'yLimit isbased uponthe: &aqllo QlWIIificati.on.11: <0.25%l;sywl.umc is p!!!!'blc: wilb. Ibis mcthl:ld. Analysis includes Ill diitin;t1;epatabl1!1 la.yl!:rlll iD3COO!dancc wilb.EPAOOO d. If n0LtepOltCdor olhDrwisc nqted, Layu iS; eii:hcr Mtprcs;nt or tl\l!! cli!!DI specifically re th;llitnot bl!!1:wly!cd.

Analysis Performed By: L. Solebello

Date: 2/').7/2007

IATL International Asbes«11 Testing Laboratories

16000 Horizon Way Unit 100 Mt Laurel, NJ08054
Tckphone; 8'6-231-'44!1 Fax; 8'6-231-9818

CERTIFICATE OF ANALYSIS

Client: PinchinLeBJ,anc Env'lLtd.
42 Dorey Avenue
Dartmouth NS B3B OB1

lh:port Date: 2/27/2007
Project: CCGS; Pierre-Radisson
l'roject No.: MA11166 PLE

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2853009 Description f Location: PinkltanFibrous
CUent No.: S-54 Locaticn#l30

% Asbestos	Type	%Non-A!bestos Fibrgu• Mat.rid	I:mi	'liiNon-Fibmus Material
Nono D<roctcd	None Detected	70	Cellulose	30
		Tut.cc	Ji'ibrous O!lWi	

Lab No.: 2853010 Description I Location: Tan/Pink Fibrous
Clieint No.: $,SS Location#131

% Asbestos	Type	N0rt·A!be!tna:FibrousMateti@l	Tw •	%Nnn-Fibraus Mureritd
None Detected	None Detected	70	Cellulose	
		Tut.cc	Fibrous Glass	

Lab No.: 28530II Description / Location: Pink/Tan Fibrous
Client No.: S-56 Location #133

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	Nonc Detected	20	Cellulose	70
		10	Fibrous Glass	

Lab N0-: 2853012 l>escription I Location: Pinkl!an Fibrous
CllellcNo.: S-57 Location #135

%AJbcIloa		%Non·Asbe!Ftrui.fibrou11Mat@rial		%NM:FillNIIIl Material
None Detected	Nom:DMted.	20	Cellulose	70
		10	Fibrous Glass	

NIST-NVLAP No. 101165-0 NY-DOH No. 11021 AIJfA Lab No. 100188

*Th'101{dl!MlalrqfHf"lfllUon{yrotlm1irra(s)mmdand'*1f.rncnl'dpnr.renri11n fll/M&l!nt.11Iu M'SF-AIHA.or1:1'grflnqvqft1vJ V:S.gowmmi:nl 1hfsrep;116htill1JOtblreproilarmtl. pIInfill'withor.azwrJrtonalcfdlalaboratory.*

Analyida Melhod: EfA 600/lt.93/116

Comnents: (PC) bidicalm: Strat'i£RdPvint0mmtMmhodprrfQIIDBd. Method not.ptrl'mmed'UDlcn1tat;d.. $Juall8!1bcato1fibersm..yb:raiss:edbyPLMdU<:'COte!:Olul.ionlimibltiom;oflhoO.Pl:ical mieroroop;.'tbeiteforc,ncg1tM:PLM1BWlisC&lllIOt gi.1i!l1l(\t.eed mcatrm Miambeused'liiamdimUogmi:lmiqac. Rqllhiti:tyUinlr.ibased upon lln lemanix..

IATL International Asbes«11
Testing Laboratories
16000 Horizon Way Unit 100 Mt Laurel, NJ08054
Telephone: 856-231-4448 Fax: 856-231-9818

Quantitative: Method at 1:0.25% by volume possible with the bulk method. Analysis Method: Hand distinct Hpmblo layers in accordance with the client's specifications. Specifically requested layer is cithernoL JJli!!'l!illl ortheclienthA Sp9Cifically r-e tbaL ir.aoEbean&l.vzrd.

Analysis Performed By: L. Solebello

Date: 212712007

IATL International Asbestos Testing Laboratories

16000 Horizon W•YUnil 100 Mt. l.aurcl, NJ080S4
Tclcpbono: 8S6-:231-9449 Fox: 856-2>!-'3818

CERTIFICATE OF ANALYSIS

Client: Pinchin LeBlanc Env'lLtd.
42 Dorey Avenue
Dartmouth NS !BBOBI

Report Datei 212712007
Project: CCGS; Fiene-Radisson
Project No.: MAI 1 166-PIE

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2853013
Client No.: S-58

Description / Location: PiDk/Tan FibrollS
Location #136

% Asbestos	Type	% Non-AsbelitOS Filzffi11R Matcrilll		% Non-Fihmu!! 'Material
None Detected	None Detected	20	Collulose	70
		IO	Fibl'OllO Glass	

Lab No.: 2853014
Client No.: *S-59*

Description / Location: Pink/]'m Fibrous
Localit>n #138

% Ashestos	Type	% Non-Asbestos Fibrous Material	Type	óNm-FibraUi Mtteria!
None Dcttctcd	None Detected	20	Cellulose	70
		10	Fibrous Glass	

Lab No.: 2853015
Clie.ut No.: S-60

Description / Localion: Pink/l'an FibfClus
Location *#139*

%Asb-	Type	'jl>Noo-Asbesoos Fibroua Matorial		% Non-Fibroua M.a<rial
NODO Deto<led	None Detected	20	Collulme	70
		10	PlbrDU&01..	

Lab No.: 2853016
Client No.: S-61

Description / Location: Pink/Tan Fibrous
Location #145

% Asbestos	Type	% Non-Asbestos Fibrous Material	:ll!!s	% Non-Fibrous Material
None Detected	None Detected	20	Collul0<0	70
		10	Fibtou<Cllass	

NIS'.f-NVLAP No.101165-0 NY-DOH No.11021 AIHA Lab No. 100188

*Thi3'<mfi.:lemio:lnpartrwla"3'onlvIO*t110Jfl'*lrem(.J)* Wll!d*ond.doesnotrep1'$t?l*.m.*e1:1.dansmenrb,vNJ.st.NT/UP, AlfIA or m:y* ofriHI *U.S.*gowmmrmt *'/'hitrporr:th'111rwtbll!'rtpJ'()Jlut:ld GWJI*infIJI, *iw'tii011t111JirEn appnwal tfdHJ* loOOAlfClIY.

Analysis Mclhod: EPA 600/R.-'33/116

Comments: (PC) IndiwtD- Srt.dl£i.cdP.oim CQunt Method pcm>zm:d. Method :nar.plZftml.cd. wd srmid. Small ll1btos. i'ibeis may be mis.BedbyPLM dw:i roimalulion limitation:;. otdll! optical ; thetetoro, PI.Mm.uhscannot'kgi;i . Bltell'mlMkroii;ePYam be med aa a cDilfiimirle t.ll'ue. RqpJlawzyLimit l:i: bmduplll'1thc1mnpl; m.'Ilrix. Q,u:mrlfication lt«>.2S" eyvclumc iip01riblo wi!.\i. this mmhod. .Anill)"W includes all laytts idactirdllnQ; wilh Iil'A600 Mdbod. ifnotc:rorhclwUc: DCIk!i:l, l:ry.!ti either not pmcm. or tbr:i tlicdt baa!!J*ifiQOi]b: md'Ill.atitnolb;a:qalyad. .

Analysis Performed Jly: L. Solebello

Date: 2/2712007

IATL International Asbestos Testing Laboratories

16000 Horizon WayUDil 100 Ml. Laurel, NJ 08054
Taloph011e: Bl6·23H44!> fq;iSI>-231 9818

CERTIFICATE OF ANALYSIS

Client: Plnchin LeBlanc Env'l Ltd.
42 Dorey Avenue
Dartm.oulh NS B3B OB1

Report Date: 2127/2007
Project: CCGS; Pierre-Radisson
Project No.: MAU 166-PLE

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2853017
Client No.: S-02
Ducriplion / Lo<ation: Pinldfan F:brou.; LoOlllion #146

% Asb.tos	Tu!!	%Noft:A!bc!!lm Fibrous Ma!W!!l		%Non-FibrOP! Mat.rial
NOllO Dct""ed	None Dotccred	20	Ccllul.o&c	70
		10	:Fibrous Glass	

Lab No.: 2853018
Client No.: S-63
Description / L111:ation: Pi!lk/Tan Fibrous Lotiltion #148

% A11b	% Non-Asbestos Fibrous Materinl		Il:!J!	%Non-Fibrous Material
None Doloctod	Nano DclcctOd	25	Collulaoc	70
		5	Fibrous Gloss	

Lab No.: 2853019
Client No.: S-64
Description / Location: Sample Not Anlllyzed

"Albcatoa	%Nc:m-Ashe!tM Fibrous Matorlill	%Non-Fibtaus Ma:pi.al
Sample Not Anal,...!	S-1oNot An>lyzod	

Lab No.: 2853020
Cliont No.: S-65
Descrtption / Location: PiDkl!anFibrom Location #ISO

% Asbestos	Type	% Non-Asbestos Fibrous Material	full	%Nan.fibrous Material
Nono Dot.ctcd	None Detected	25	Cc11uloac	70
		5	Fibrous Glos•	

NIST-NVLAP No.101165-0 NY-DOH No. 11021 AIHA Lab No. 100188

*1'1li.sC01ffi4Bntiti1Y2J1DIf*r'dk!te.r*ontvm*rnimmf.V*remdandlou,ao:*mJllUilllr*Q.1.1* *.fuyN:ts:t.JilJIUP, A1I1A or ww*arcl'll!J.' *o/ills U.S.gov1mmi:,,r 'l1JM,eport1haR nDck rq1ror1M.G&l pclnjill1,* 1"irlroulwn'lre11.*ap,,wovaJ ofdw l'l210l]!.*

Analysis Method: EPA 600/R-93/116

Commonf.!; (PC)Jndi Suall:ficdPolm Cmmtdf!C!filmlCd. M;thodmiltr&dhtmcdunlc11&ta.b11ulwws1ibcnmaybcmizliyPLMdoctoresolutionlinitafuill$of'lhBoptical micmscopc. Thi:mfuR, livePu.Arcaults nnno\ 1i;;.siwantacd. BlcclronMimi;o::opy c.,J1 beuacd 1131con:mning lechnitp. RagulatmyLimlt is upon the sample mlliix Quilnifwation at<0.25% byvolumcispoasib.l;wkhlhif.method. Analy&i1ihiQ.(glb,alldininctscpmb1c1aymlnl'Cotda(tccwilhEPA600Mclhod, JfnQl:reported.oralhmrJUcnolcd, 1!rcriliot!hot""P"""""""".ii'"lhl!.....ili"1Jy-1Cdlba1 00t'ol> analyzcd.

IATL International Asbestos Testing Laboratories

16000 Horizon WayUDil 100 Ml. Laurel, NJ 08054
Taloph011e: Bl6·23H44!> fq;iSI>-231 9818

Analysis Performed By: L. Solebello

Date: 2127/2007

APPENDIX II
INVESTIGATION DATA

APPENDIX II-A

DATA SHEET GUIDE

HMIS SURVEYORS LEGEND

PINCHIN ENVIRONMENTAL

PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

MATERIALS

MATERIALS	055	ACOUSTIC SPRAY (SOFT)
	107	ADHESIVE
	032	AIRCELL
	086	ALUMINUM
	040	ARMAFLEX
	043	CANVAS
	036	CAPOSITE
	050	CARPET
	152	CAULKING
	010	CEMENTITIOUS FIREPROOFING
	022	CERAMIC TILES
	044	CHEESECLOTH
	015	CLAY TILE (BLOCK/SPEED TILE)
	2	CONCRETE (POURED)
	3	CONCRETE (PRECAST)
	038	CORK
	041	CORRUGATED PAPER
	000	DIRT
	014	DRYWALL AND JOINT COMPOUND
	094	DRYWALL COMPOUND ONLY
	012	ENCAPSULANT
	028	FIBREGLASS
	119	FIBROUS BOARD
	011	FIBROUS FIREPROOFING
	027	FOAMGLAS
	045	FOIL FACE
	200	GALBESTOS SIDING
	149	GASKET
	054	GLASS
	005	GLUED-ON CEILING TILES
	037	HORSEHAIR
	046	KRAFT PAPER
	006	LAY-IN CEILING TILES
	033	MAGNESIA BLOCK INSULATION
	064	MARANITE BOARD (AMOSITE)
	030	MARBLE
	019	MASONRY
	007	MECHANICALLY FASTENED CEILING TILES
	024	METAL
	018	METAL LATH
	060	METAL LINEAR CEILING
	057	METAL PAN CEILING TILES
	087	NON-SLIP FLOORING (RUBBER ETC.)
	099	NOT INSULATED
	017	OVERSPRAY**
	025	PAINTED
	048	PAPER
	031	PARGING CEMENT INSULATION
	083	PARGING CEMENT OVER FIBREGLASS
	061	PARGING CEMENT OVER MAGNESIA BLOCK
	106	PARGING CEMENT OVER PREFORMED BLOCK
	016	PLASTER AND LATH
	063	PLASTIC
	093	PLASTIC LAMINATE
	056	PLEXIGLAS
	042	POLYVINYL CHLORIDE (PVC)
	034	PREFORMED BLOCK INSULATION
	049	QUARRY TILE (FLOOR TILE)
	089	ROPE
	151	RUBBER
	013	SPLINED CEILING TILES
	001	STEEL
	039	STYROFOAM (POLYSTYRENE)
	035	SWEATWRAP (CELLULOSE)
	062	TAPE
	150	TAR
	047	TAR PAPER
	053	TECTUM
	020	TERRA COTTA
	052	TERRAZZO
	051	TEXTILE
	023	TEXTURE FINISH (TEXTURE COAT)
	029	THERMAL INSULATION
	021	TRANSITE (ASBESTOS CEMENT)
	58	UNIDENTIFIED MATERIAL*
	59	UNJACKETED
	201	VERMICULITE
	8	VINYL FLOOR TILES
	9	VINYL SHEET FLOORING (UNDERPAD)
	153	WALL COVERING
	091	WALLBOARD WITH PLASTIC LAMINATE
	004	WOOD

COMPONENTS

COMMON	ALL	ALL
	NA	NOT APPLICABLE
	NF	NOT FOUND
	OVR	OVERSPRAY
	DBRS	DEBRIS
	NAC	NO ACCESS THROUGH CEILING
	NAR	NO ACCESS TO ROOM
FLOOR	ECF	RAISED COMPUTER FLOOR
	DBRS	DEBRIS
	ALL	ALL
CEILING	AT - #	ACOUSTIC TILE
	DBRS	DEBRIS
	ALL	ALL
	BH	BULKHEAD
	NF	NOT FOUND
WALL	ALL	ALL
	OVR	OVERSPRAY
STRUCTURE	ALL	ALL
	BD	BEAM, DECK
	BDJ	BEAM, DECK, JOIST
	BH	BULKHEAD
	BM	BEAM
	COL	COLUMN
	XBR	CROSS BRACING
	DBRS	DEBRIS
	DCK	DECK
	JST	JOIST
	NAC	NO ACCESS THROUGH CEILING
	OVR	OVERSPRAY
	TRUS	TRUSS
PIPE	ABN	ABANDONED PIPE
	ALL	ALL
	BFD	BOILER FEED WATER
	BRNL	BRINE LINES
	CHWR	CHILLED WATER RETURN
	CHWS	CHILLED WATER SUPPLY
	CWS	CHILLED WATER SYSTEM
	CW	CITY WATER
	CONR	CONDENSATE CLWR
	COOLING	WATER RETURN CLWS
	COOLING	WATER SUPPLY CLS
		COOLING WATER SYSTEM
	DBRS	DEBRIS
	DCW	DOMESTIC COLD WATER
	DHW	DOMESTIC HOT WATER
	DHWR	DOMESTIC HOT WATER RETURN
	DW	DOMESTIC WATER
	DRN	DRAIN
	FREON	FREON PIPING
	GAS	GAS LINE (NATURAL GAS)
	GLY	GLYCOL
	HWR	HOT WATER HEATING RETURN
	HWS	HOT WATER HEATING SUPPLY
	HPSS	HIGH PRESSURE STEAM
	HWH	HOT WATER HEATING
	JWC	JACKET WATER COOLING
	LPSS	LOW PRESSURE STEAM
	OIL	OIL
	OVR	OVERSPRAY
	PP	PROCESS PIPE
	RWL	RAIN WATER LEADER
	RH	ROOF HOPPER
	SD	SANITARY DRAIN
	SPRK	SPRINKLER
	SPRK	SPRINKLER
	STHD	STEAM HEADER
	STMS	STEAM SUPPLY
	UP	UNIDENTIFIED PIPE
	WMTR	WATER METER

COMPONENTS

DUCT	ALL	ALL
	CONN	CONNECTOR (VIBRATION DAMPER)
	DBRS	DEBRIS
	FAI	FRESH AIR INTAKE
	OVR	OVERSPRAY
	RA	RETURN AIR
	SA	SUPPLY AIR
	UD	UNIDENTIFIED DUCT
MECHANICAL	ALL	ALL
	AST	ABOVE GROUND STORAGE TANK
	AER	AERATOR TANK
	AHU	AIR HANDLING UNIT
	BLR	BOILER
	BRE	BREECHING
	CHLR	CHILLER
	COIL	COIL
	CMP	COMPRESSOR
	CONV	CONVERTER
	CONT	CONDENSATE TANK
	DBRS	DEBRIS
	DHWT	DOMESTIC HOT WATER TANK
	EXCH	EXCHANGER
	EXH	EXHAUST
	FANU	FAN UNIT
	FLT	FILTERS
	GENE	GENERATOR EXHAUST
	GENU	GENERATOR UNIT
	HWT	HEATING WATER TANK
	HVAC	HVAC UNIT
	INC	INCINERATOR
	MG	MOTOR GENERATOR
	OVR	OVERSPRAY
	RECW	RECIRCULATING WATER
	STHD	STEAM HEADER
	UT	UNIDENTIFIED TANK
	WMTR	WATER METER
OTHER	BOARD	CHALK/BULLETIN BOARD
	CNTR	COUNTERTOP
	DBRS	DEBRIS
	DOOR	DOOR
	ELEC	ELECTRICAL EQUIPMENT
	ELF EP	LIGHT FIXTURE
	EXP	ELECTRICAL PANEL
	FASC	EXPANSION JOINT
	FB	FASCIA
	FC	FUSE BOX
	FDR	FIRE CURTAIN
	FRS	FIRE DOOR
	FUME	FIRESTOPPING
	HTCH	FUME HOOD
	MTR	HATCH
	OVEN	MOTOR
	OVR	OVEN
	RAD	OVERSPRAY
	ROOF	RADIATOR HEAT SHIELD
	SINK	ROOF
	SOFIT	SINK
	TABL	SOFFIT
	TILE	TABLE TOP
	TR	TILE
	TRNS	TRANSFORMER
	VALN	TRANSOM (PANEL ABOVE DOOR)
		VALANCE

ITEMS

ITEMS	ALL	ALL
	BASE	BASE
	BND	BEND
	COV	PIPE JACKET/COVERING***
	CRN	CORNER
	EDG	EDGE
	ELB	PIPE ELBOW
	END	END
	EXT	EXTERIOR
	FBL	FIRE BLANKET
	FTG	FITTING
	GSKT	GASKET
	HAN	PIPE HANGER
	INSL	INSULATION
	JNT	JOINT
	STR	STRAIGHT PIPE
	SUR	SURFACE
	TEE	TEE JOINT
	TOP	TOP

ACCESS

ACCESS	A	ACCESSIBLE TO ALL BUILDING OCCUPANTS
	B	ACCESSIBLE ONLY TO MAINTENANCE AND OPERATIONS STAFF WITHOUT A LADDER
	C	ACCESSIBLE WITH A LADDER ONLY
	D	INACCESSIBLE

CONDITION (QUANTITY)

CONDITION	GOOD	NO VISIBLE DAMAGE TO FRIABLE MATERIALS. NO EXPOSED PIPE, DUCT OR MECHANICAL INSULATION. NON-FRIABLE MATERIALS AND CEILING TILES UNLESS PULVERIZED OR BADLY DAMAGED.
	FAIR	REPAIRABLE DAMAGE WITH MINOR AMOUNTS OF EXPOSED PIPE DUCT OR MECHANICAL INSULATION
	POOR	IRREPARABLE DAMAGE TO PIPE DUCT AND MECHANICAL INSULATIONS WITH EXPOSED & MISSING MATERIAL. SPALLING AND DELAMINATING SPRAYED MATERIALS. PULVERIZED AND CRUMBLED NON-FRIABLE MATERIALS AND CEILING TILES REQUIRING ABATEMENT.

SPRAYED MATERIALS, NON FRIABLE MATERIALS, AND CEILING TILES ARE ONLY RATED AS GOOD OR POOR ONLY

VISIBLE

VISIBLE	YES	IF VISIBLE TO BUILDING OCCUPANTS
	NO	IF ABOVE CEILING ETC.
	LIMITED	LIMITED VIEW ABOVE CEILING.
	(Y/N/L)	IDENTIFY WHY IN NOTES

COVERING

COVER	IDENTIFY COVER OR JACKETING USING MATERIAL CODE, EG. CANVAS JACKET ON PIPE INSULATION = MATERIAL CODE (043) FOR JACKETING

UNITS

UNITS	SF	SQUARE FEET
	LF	LINEAR FEET
	EA	EACH
	%	PERCENT

SAMPLE NO.

SAMPLE NO.	SXXXX	SAMPLE COLLECTED (NO A, B OR C REQUIRED IF MULTIPLE SAMPLES)
	VXXXX	VISUALLY SIMILAR TO SXXXX (BY VISUAL IDENTIFICATION)
	V0000	NON-ASBESTOS MATERIAL (VISUALLY CONFIRMED)
	V9000	ASBESTOS-CONTAINING MATERIAL (VISUALLY CONFIRMED)
	V9500	SUSPECT ASBESTOS MATERIAL

MATERIALS - REFINERIES ONLY

REFINERIES	066	BLACK MASTIC
	067	WHITE MASTIC
	068	GOLD MASTIC
	069	SILVER/GREY MASTIC
	070	RED MASTIC
	071	YELLOW MASTIC
	081	PARGING W/ASBESTOS TEXTILE JACKET
	201	TRACER TAPE
REFINERIES	202	CERAMIC FIBRE
	203	COMPOSITE RUBBER FRICTION PAD
	234	BROWN PREFORMED BLOCK
	235	PINK PREFORMED BLOCK
	236	YELLOW PREFORMED BLOCK
	237	BLUE PREFORMED BLOCK
	253	GREY CAULKING
	254	DENSO TAPE

NOTES

NOTES

* UNIDENTIFIED MATERIAL: USE INFREQUENTLY. TAKE PHOTOS AND IDENTIFY IT LATER.
**OVERSPRAY: OR USE FIREPROOFING CODE AND OVR IN COMPONENT WHEN REQUIRED
***COVERING: THIS CODE ONLY NECESSARY UNDER **ITEM** WHERE **JACKET** IS ASBESTOS

TO GENERATE AN ACTION A MATERIAL, ACCESS, VISIBILITY, QUANTITY, UNIT AND SAMPLE NO. ARE REQUIRED. ENSURE ALL ARE FILLED IN FOR SAMPLED/SUSPECT/VISUALLY CONFIRMED AC

Revised September 19, 2006

APPENDIX II-B

HIMS REPORT WITH SUMMARY OF LOCATIONS

PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard **Site:** Vessels
Building Number(s): 383326

Location List

Building#	Loc #	Floor	Room Prefix	Room Number	Room Suffix	Room Name	No Access	Square Feet	Survey Date	Surveyor
383326	1	Tank Top				Propulsion Engine		2500	2013-05-07	
383326	2	Tank Top				Aft Engine Room		2500	2013-05-07	
383326	3	Tank Top				Forward Engine		2500	2013-05-07	
383326	4	Engine Dec				Forward Engine		2500	2013-05-07	
383326	5	Engine Dec				Aft Engine		2500	2013-05-07	
383326	6	Engine Dec				Control Room		500	2013-05-07	
383326	7	Engine Dec				Propulsion		2500	2013-05-07	
383326	8	Engine Dec				Engineer store		225	2013-05-07	
383326	9	Engine Dec				Heeling Pump		200	2013-05-07	
383326	10	Engine Dec				Cargo Hold		144	2013-05-07	

Location List

Building#	Loc #	Floor	Room Prefix	Room Number	Room Suffix	Room Name	No Access	Square Feet	Survey Date	Surveyor
383326	12	Main Deck				Engine Room Casing		400	2013-05-07	
383326	13	Main Deck				Engine Room Casing		400	2013-05-07	
383326	14	Main Deck				Incinerator		400	2013-05-07	
383326	15	Upper Deck				Engine Room Casing		800	2013-05-07	
383326	16	Boat Deck				Engine Room		400	2013-05-07	
383326	17	Bridge Dec				Engine Room		400	2013-05-07	
383326	18	Main Deck				Engineer spares		200	2013-05-07	
383326	19	Main Deck				Stearing Gear		400	2013-05-07	
383326	20	Main Deck				A/C #4		100	2013-05-07	
383326										

PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard **Site:** Vessels
Building Number(s): 383326

Location List

Building#	Loc #	Floor	Room Prefix	Room Number	Room Suffix	Room Name	No Access	Square Feet	Survey Date	Surveyor
383326	21	Upper Deck				Air Compressor Room		150	2013-05-07	
383326	22	Engine Dec				JP4		150	2013-05-07	
383326	23	Upper Deck				A/C #5		150	2013-05-07	
383326	24	Upper Deck				Valve Room		50	2013-05-07	
383326	25	Main Deck				Bosun Store		300	2013-05-07	
383326	26	Boat Deck				Mechanical Shop		150	2013-05-07	
383326	27	Boat Deck				Hangar		2000	2013-05-07	
383326	28	Boat Deck				Static Room		200	2013-05-07	
383326	29	Boat Deck				A/C #2-3		400	2013-05-07	
383326	30	Officer De				A/C #6		64	2013-05-07	

Location List

Building#	Loc #	Floor	Room Prefix	Room Number	Room Suffix	Room Name	No Access	Square Feet	Survey Date	Surveyor
383326	32	Officer De				Batteries Room		150	2013-05-07	
383326	33	Main Deck				Canteen Store		32	2013-05-07	
383326	34	Main Deck				Canteen Store		32	2013-05-07	
383326	35	Main Deck				Cabin		150	2013-05-07	
383326	36	Main Deck				Central Store		1000	2013-05-07	
383326	37	Main Deck				Freezer		150	2013-05-07	
383326	38	Main Deck				Corridor		800	2013-05-07	
383326	39	Main Deck				Freezer		100	2013-05-07	
383326	40	Main Deck				Freezer		400	2013-05-07	
383326										

Location List

Building#	Loc #	Floor	Room Prefix	Room Number	Room Suffix	Room Name	No Access	Square Feet	Survey Date	Surveyor
383326	41	Main Deck				Galley		400	2013-05-07	
383326	42	Main Deck				Cafeteria		800	2013-05-07	
383326	43	Main Deck				Pantry		100	2013-05-07	
383326	44	Main Deck				Freezer		64	2013-05-07	
383326	45	Main Deck				Female Washroom		100	2013-05-07	
383326	46	Main Deck				Male Washroom		100	2013-05-07	
383326	47	Main Deck				Sanitary Equipment		100	2013-05-07	
383326	48	Main Deck				Clothing Store		150	2013-05-07	
383326	49	Main Deck				Cabin		150	2013-05-07	
383326	50	Main Deck				Cabin		150	2013-05-07	

Location List

Building#	Loc #	Floor	Room Prefix	Room Number	Room Suffix	Room Name	No Access	Square Feet	Survey Date	Surveyor
383326	52	Main Deck				Cabin		150	2013-05-07	
383326	53	Main Deck				Cabin		150	2013-05-07	
383326	54	Main Deck				Cabin		150	2013-05-07	
383326	55	Main Deck				Cabin		150	2013-05-07	
383326	56	Main Deck				Cabin		150	2013-05-07	
383326	57	Main Deck				Cabin		150	2013-05-07	
383326	58	Main Deck				Cabin		150	2013-05-07	
383326	59	Main Deck				Cabin		150	2013-05-07	
383326	60	Main Deck				Cabin		200	2013-05-07	
383326										

Location List

Building#	Loc #	Floor	Room Prefix	Room Number	Room Suffix	Room Name	No Access	Square Feet	Survey Date	Surveyor
383326	61	Main Deck				Cabin		150	2013-05-07	
383326	62	Main Deck				Cabin		150	2013-05-07	
383326	63	Main Deck				Cabin		150	2013-05-07	
383326	64	Main Deck				Cabin		150	2013-05-07	
383326	65	Main Deck				Cabin		150	2013-05-07	
383326	66	Main Deck				Crockery Store		100	2013-05-07	
383326	67	Main Deck				Bulk Store		144	2013-05-07	
383326	68	Main Deck				Crew's Lounge		2000	2013-05-07	
383326	69	Main Deck				Hobby Room		300	2013-05-07	
383326	70	Main Deck				Spares Store		144	2013-05-07	

Location List

Building#	Loc #	Floor	Room Prefix	Room Number	Room Suffix	Room Name	No Access	Square Feet	Survey Date	Surveyor
383326	72	Main Deck				Motors Spares		150	2013-05-07	
383326	73	Main				Paint Room		150	2013-05-07	
383326	74	Main Deck				Carpenter Workshop		225	2013-05-07	
383326	75	Main Deck				CO2 Room		150	2013-05-07	
383326	76	Main Deck				Cargo Trunk		144	2013-05-07	
383326	77	Main Deck				Utility Locker		36	2013-05-07	
383326	78	Main Deck				Corridor		200	2013-05-07	
383326	79	Main Deck				Corridor		400	2013-05-07	
383326	80	Main Deck				Washroom		144	2013-05-07	
383326										

Location List

Building#	Loc #	Floor	Room Prefix	Room Number	Room Suffix	Room Name	No Access	Square Feet	Survey Date	Surveyor
383326	81	Main Deck				Gymnasium		400	2013-05-07	
383326	82	Main Deck				Elevator Mechanical Room		100	2013-05-07	
383326	83	Main Deck				Smocking Room		64	2013-05-07	
383326	84	Main Deck				Change Room		400	2013-05-07	
383326	85	Main Deck				Washroom		144	2013-05-07	
383326	86	Main Deck				Corridor		800	2013-05-07	
383326	87	Main Deck				Corridor		800	2013-05-07	
383326	88	Main Deck				Canteen Room		100	2013-05-07	
383326	89	Main Deck				Linen Locker		36	2013-05-07	
383326	90	Main Deck				Canteen		49	2013-05-07	

Location List

Building#	Loc #	Floor	Room Prefix	Room Number	Room Suffix	Room Name	No Access	Square Feet	Survey Date	Surveyor
383326	92	Main Deck				Cabin		150	2013-05-07	
383326	93	Upper Deck				Lounge		800	2013-05-07	
383326	94	Upper Deck				Dinning Room		1000	2013-05-07	
383326	95	Upper Deck				Pantry		144	2013-05-07	
383326	96	Upper Deck				Washroom		64	2013-05-07	
383326	97	Upper Deck				Dispensery		144	2013-05-07	
383326	98	Upper Deck				Lobby		36	2013-05-07	
383326	99	Upper Deck				Washroom		18	2013-05-07	
383326	100	Upper Deck				Photocopier Room		100	2013-05-07	
383326										

Location List

Building#	Loc #	Floor	Room Prefix	Room Number	Room Suffix	Room Name	No Access	Square Feet	Survey Date	Surveyor
383326		Upper Deck				Utility Locker		12	2013-05-07	
383326	102	Upper Deck				Engineer Office		144	2013-05-07	
383326	103	Upper Deck				Cabin		150	2013-05-07	
383326	104	Upper Deck				Corridor		800	2013-05-07	
383326	105	Upper Deck				Cabin		150	2013-05-07	
383326	106	Upper Deck				Washroom		150	2013-05-07	
383326	107	Upper Deck				Corridor		800	2013-05-07	
383326 101	108	Upper Deck				Laundry		150	2013-05-07	
383326	109	Uppde r Dec				Cabin		200	2013-05-07	
383326	110	Upper Deck				Ship Office		200	2013-05-07	

Location List

Building#	Loc #	Floor	Room Prefix	Room Number	Room Suffix	Room Name	No Access	Square Feet	Survey Date	Surveyor
383326	111	Upper Deck				Cabin		144	2013-05-07	
383326	112	Uppde r Dec				Sick Bay		150	2013-05-07	
	383326									
383326										
383326										
383326										
383326										
383326										
383326										
383326										

Location List

113	Upper Deck Cabin 200 2013-05-07	116	Upper Deck	Cabin	200	2013-05-07
		117	Upper Deck	Cabin	200	2013-05-07
		118	Upper Deck	Cabin	150	2013-05-07
		119	Upper Deck	Washroom	100	2013-05-07
		120	Upper Deck	Cabin	200	2013-05-07
114	Upper Deck Cabin 200 2013-05-07					
115	Upper Deck Cabin 200					

Location List

Building#	Loc #	Floor	Room Prefix	Room Number	Room Suffix	Room Name	No Access	Square Feet	Survey Date	Surveyor
383326	122	Upper Deck				Cabin		200	2013-05-07	
383326	123	Upper Deck				Cabin		150	2013-05-07	
383326	124	Upper Deck				Cabin		150	2013-05-07	
383326	125	Boat Deck				Corridor		200	2013-05-07	
383326	126	Boat Deck				Washroom		150	2013-05-07	
383326	127	Boat Deck				Cabin		200	2013-05-07	
383326	128	Boat Deck				Cabin		200	2013-05-07	
383326	129	Boat Deck				Cabin		200	2013-05-07	
383326	130	Boat Deck				Cabin		200	2013-05-07	
383326										

Location List

Building#	Loc #	Floor	Room Prefix	Room Number	Room Suffix	Room Name	No Access	Square Feet	Survey Date	Surveyor
383326	131	Boat Deck				Cabin		200	2013-05-07	
383326	132	Boat Deck				Cabin		300	2013-05-07	
383326	133	Officer De				Cabin		200	2013-05-07	
383326	134	Officer De				Cabin		200	2013-05-07	
383326	135	Officer De				Cabin		200	2013-05-07	
383326	136	Officer De				Office		300	2013-05-07	
383326	137	Officer De				Cabin		200	2013-05-07	
383326	138	Officers				Cabin		200	2013-05-07	
383326	139	Officer De				Washroom		100	2013-05-07	
383326	140	Officer De				Cabin		300	2013-05-07	

Location List

Building#	Loc #	Floor	Room Prefix	Room Number	Room Suffix	Room Name	No Access	Square Feet	Survey Date	Surveyor
383326	141	Officer De				Office		100	2013-05-07	
383326	142	Officer De				Corridor		200	2013-05-07	
383326	143	Bridge Dec				Under Wheelhouse		800	2013-05-07	
383326	144	Bridge Dec				Locker		16	2013-05-07	
383326	145	Bridge Dec				Electronics Workshop		300	2013-05-07	
383326	146	Bridge Dec				Chart Room		300	2013-05-07	
383326	147	Bridge Dec				Washroom		60	2013-05-07	
383326	148	Bridge Dec				Office		144	2013-05-07	
383326	149	Bridge Dec				Corridor		200	2013-05-07	
383326	150	Bridge Dec				Wheelhouse		800	2013-05-07	

Location List

Building#	Loc #	Floor	Room Prefix	Room Number	Room Suffix	Room Name	No Access	Square Feet	Survey Date	Surveyor
383326	151	Upper Deck				Cabin		200	2013-05-07	

APPENDIX II-C

HIMS REPORT WITH SUMMARY OF SAMPLES

PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard
Site: Vessels
Building Number(s): 383326

Bulk Sample Analysis

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**

Sample #	System	Material	Loc #	Asbestos	Result A	Type A	Result B	Type B	Result C	Type C	Result D	Type D	Result
0001	Piping	Magnesia block	1		N.D.								N.D.
Description:	White Insulation												
0002	Piping	Parging Cement	1	☑	50 - 75%	Chrysotile							50 - 75%
Description:	Grey Insulation												
0003	Piping	Magnesia block	2	☐	N.D.								N.D.
Description:	White Insulation												
0004	Piping	Magnesia block	4	☐	N.D.								N.D.
Description:	White Insulation												
00045	Walls	Drywall (No J.C	94	☐	N.D.								N.D.
Description:	Pink / Tan Fibrous												
0005	Mechanical Equipment	Magnesia block	4	☐	N.D.								N.D.
Description:	White Insulation												
0006	Mechanical Equipment	Magnesia block	4	☐	N.D.								N.D.
Description:	White Insulation												
0007	Mechanical Equipment	Magnesia block	5	☑	> 75%	Chrysotile							> 75%
Description:	White Insulation												

Date: 14/05/13 09:31:44

PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard
Site: Vessels
Building Number(s): 383326

Bulk Sample Analysis

0008	Piping	Paper	☑	25 - 50%	Chrysotile	25 - 50%
Description:	Steam Insulation					

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PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard
Site: Vessels
Building Number(s): 383326

Bulk Sample Analysis

CONTINUED FROM PREVIOUS PAGE...

Sample #	System	Material	Loc #	Asbestos	Result A	Type A	Result B	Type B	Result C	Type C	Result D	Type D	Result
0009	Mechanical Equipment	Magnesia block	12	☐	N.D.								N.D.
Description:	White/Brown Insulation												
0010	Mechanical Equipment	Magnesia block	12	☑	10 - 25%	Chrysotile							10 - 25%
Description:	Off-White/White Insulation												
0011	Mechanical Equipment	Magnesia block	13	☑	5 - 10%	Chrysotile							5 - 10%
Description:	White/Grey Insulation												
0012	Piping	Magnesia block	15	☐	N.D.								N.D.
Description:	Off-White Insulation												
0013	Mechanical Equipment	Magnesia block	15	☐	N.D.								N.D.
Description:	Off-White Insulation												
0014	Mechanical Equipment	Magnesia block	15	☐	N.D.								N.D.
Description:	White Insulation												
0015	Mechanical Equipment	Magnesia block	15	☑	0.1 - 1%	Chrysotile							0.1 - 1%
Description:	Grey Insulation												
0016	Mechanical		Equipment	☐									

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Bulk Sample Analysis

Description:	White Insulation Marble		16	N.D.	N.D.
0017	Mechanical Equipment	Magnesia block	16	N.D.	N.D.
Description:	White Insulation				

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PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard
Site: Vessels
Building Number(s): 383326

Bulk Sample Analysis

CONTINUED FROM PREVIOUS PAGE...

Sample #	System	Material	Loc #	Asbestos	Result A	Type A	Result B	Type B	Result C	Type C	Result D	Type D	Result
0018	Mechanical Equipment	Magnesia block	17	☐	N.D.								N.D.
Description:	White Insulation												
0019	Mechanical Equipment	Magnesia block	17	☑	0.1 - 1%	Chrysotile							0.1 - 1%
Description:	White Insulation												
0020	Piping	Magnesia block	19		N.D.								N.D.
Description:	White Insulation												
0021	Piping	Parging Cement	23	✓	50 - 75%	Chrysotile							50 - 75%
Description:	Grey Insulation												
0022	Piping	Canvas	29	☑	25 - 50%	Chrysotile							25 - 50%
Description:	Light Tan Woven Fibre												
0023	Piping	Magnesia block	31	☐	N.D.								N.D.
Description:	Off-Whtie Insulation												
0024	Mechanical Equipment	Magnesia block	31	☐	N.D.								N.D.
Description:	White/Tan Insulation												
0025	Floor	VAT and Mastic Adhesive	38	☐	N.D.								N.D.
Description:	Black Floor Tile and Black Mastic												
0026	Floor	VAT and Mastic Adhesive	38	☐	N.D.								N.D.
Description:	Blue Floor Tile												

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Bulk Sample Analysis

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PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard
Site: Vessels
Building Number(s): 383326

Bulk Sample Analysis

CONTINUED FROM PREVIOUS PAGE...

Sample #	System	Material	Loc #	Asbestos	Result A	Type A	Result B	Type B	Result C	Type C	Result D	Type D	Result
0027	Floor	VAT and Mastic Adhesive	42	☐	N.D.								N.D.
Description:	Tan Floor Tile												
0028	Floor	VAT and Mastic Adhesive	97	☐	N.D.								N.D.
Description:	Off-White Floor Tile												
0029	Floor	VAT and Mastic Adhesive	42	☐	N.D.								N.D.
Description:	Grey Floor Tile												
0030	Floor	VAT and Mastic Adhesive	69	☐	N.D.								N.D.
Description:	Green Floor Tile												
0031	Floor	VAT and Mastic Adhesive	33	☑	0.1 - 1%	Chrysotile	N.D.						0.1 - 1%
Description:	Green/Tan Floor Tile and Black Mastic												
0032	Walls	Drywall (No J.C	1	☐	N.D.								N.D.
Description:	Pink / Tan fibrous												
0033	Floor	VAT and Mastic Adhesive	38	☐	N.D.								N.D.
Description:	Grenn Floor Tile												
0034	Ceiling	Lay-in ceiling tiles	38	☐	N.D.								N.D.
Description:	Light Grey Ceiling Tile												

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Bulk Sample Analysis

[illegible]	[illegible]	Mastic Adhesive	38	N.D.	N.D.

Description: Red Floor Tile

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PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard
Site: Vessels
Building Number(s): 383326

Bulk Sample Analysis

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Sample #	System	Material	Loc #	Asbestos	Result A	Type A	Result B	Type B	Result C	Type C	Result D	Type D	Result
0036	Walls	Drywall (No J.C	42	☐	N.D.								N.D.
Description:	White/Pink Fibrous												
0037	Walls	Drywall (No J.C	45	☐	N.D.								N.D.
Description:	Pink/Tan Fibrous												
0038	Walls	Drywall (No J.C	49	☐	N.D.								N.D.
Description:	Pink/Tan Fibrous												
0039	Walls	Drywall (No J.C	54	☐	N.D.								N.D.
Description:	Pink/Tan Fibrous												
0040	Floor	VAT and Mastic Adhesive	61	☐	N.D.								N.D.
Description:	Off-White Floor Tile												
0041	Walls	Drywall (No J.C	63	☐	N.D.								N.D.
Description:	Pink/Tan Fibrous												
0042	Walls	Drywall (No J.C	68	☐	N.D.								N.D.
Description:	Pink / Tan fibrous												
0043	Walls	Drywall (No J.C	69	☐	N.D.								N.D.
Description:	Pink/Tan Fibrous												
0044	Walls	Drywall (No J.C	93	☐	N.D.								N.D.
Description:	Pink / Tan Fibours												
0045	Walls	Drywall (No J.C	94	☐	N.D.								N.D.
Description:	Pink / Tan Fibrous												

PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard
Site: Vessels
Building Number(s): 383326

Bulk Sample Analysis

CONTINUED FROM PREVIOUS PAGE...

Sample #	System	Material	Loc #	Asbestos	Result A	Type A	Result B	Type B	Result C	Type C	Result D	Type D	Result
0046	Walls	Drywall (No J.C	96	☐	N.D.								N.D.
Description:	Pink/Tan Fibrous												
0047	Walls	Drywall (No J.C	100	☐	N.D.								N.D.
Description:	Pink/Tan Fibrous												
0048	Floor	VSF and Mastic Adhesive	102	☐	N.D.								N.D.
Description:	Tan Vinyl Sheet Flooring												
0049	Walls	Drywall (No J.C	109	☐	N.D.								N.D.
Description:	Pink/Tan Fibrous												
0050	Walls	Drywall (No J.C	119	☐	N.D.								N.D.
Description:	Pink/Tan Fibrous												
0051	Walls	Drywall (No J.C	125	☐	N.D.								N.D.
Description:	Pink/Tan Fibrous												
0052	Walls	Drywall (No J.C	126	☐	N.D.								N.D.
Description:	Pink/Tan Fibrous												
0053	Walls	Drywall (No J.C	127	☐	N.D.								N.D.
Description:	Pink / Tan Fibours												
0054	Walls	Drywall (No J.C	130	☐	N.D.								N.D.
Description:	Pink/Tan Fibrous												

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PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard
Site: Vessels
Building Number(s): 383326

Bulk Sample Analysis

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Sample #	System	Material	Loc #	Asbestos	Result A	Type A	Result B	Type B	Result C	Type C	Result D	Type D	Result
0055	Walls	Drywall (No J.C	131	☐	N.D.								N.D.
Description:	Pink/Tan Fibrous												
0056	Walls	Drywall (No J.C	133	☐	N.D.								N.D.
Description:	Pink/Tan Fibrous												
0057	Walls	Drywall (No J.C	135	☐	N.D.								N.D.
Description:	Pink/Tan Fibrous												
0058	Walls	Drywall (No J.C	136	☐	N.D.								N.D.
Description:	Pink/Tan Fibrous												
0059	Walls	Drywall (No J.C	138		N.D.								N.D.
Description:	Pink/Tan fibrous												
0060	Walls	Drywall (No J.C	139		N.D.								N.D.
Description:	Pink/Tan Fibrous												
0061	Walls	Drywall (No J.C	145		N.D.								N.D.
Description:	Pink/Tan Fibrous												
0062	Walls	Drywall (No J.C	146		N.D.								N.D.
Description:	Pink/Tan Fibrous												
0063	Walls	Drywall (No J.C	148	☐	N.D.								N.D.
Description:	Pink/Tan Fibrous												
0064	Walls	Drywall (No J.C	149	☐	N.D.								N.D.
Description:	Pink / Tan Fibrous												

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PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard
Site: Vessels
Building Number(s): 383326

Bulk Sample Analysis

CONTINUED FROM PREVIOUS PAGE...

Sample #	System	Material	Loc #	Asbestos	Result A	Type A	Result B	Type B	Result C	Type C	Result D	Type D	Result
0065	Walls	Drywall (No J.C	150	☐	N.D.								N.D.
Description:	Pink/Tan Fibrous												

Date: 14/05/13 09:31:44

APPENDIX II-D

HIMS REPORT WITH MATERIALS CONTAINING OR SUSPECTED OF CONTAINING ASBESTOS

PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard **Site:** Vessels

Building Number(s): 383326

Confirmed Asbestos and Presumed Asbestos Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 1 **Location Name: Propulsion Engine** **Floor: Tank Top** **Room #:** **Square ft: 2500**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Piping	Hot Water Heating	Parging Cement	Elbow	Canvas	B	Y	11	(7)					EA	S0002	Confirmed Asbestos	Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 5 **Location Name: Aft Engine** **Floor: Engine Dec** **Room #:** **Square ft: 2500**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Mechanical Equipment	Compressor	Magnesia block	Surface	Canvas	B		20	(7)					LF	S0007	Confirmed Asbestos	Friable

Note: Compressor

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 7 **Location Name: Propulsion** **Floor: Engine Dec** **Room #:** **Square ft: 2500**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Piping	Oil supply	Paper	Surface	Paint	B	Y	8	(7)					LF	S0008	Confirmed Asbestos	Non-Friable

Note: Oil = Oil Cleaner

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 12 **Location Name: Engine Room Casing** **Floor: Main Deck** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Mechanical Equipment	Generator Exhaust	Magnesia block	Surface	Canvas	B	Y	30	(7)					LF	S0010	Confirmed Asbestos	Friable

Date: 14/05/13 09:31:01

Confirmed Asbestos and Presumed Asbestos Report

PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard **Site:** Vessels

Building Number(s): 383326

Confirmed Asbestos and Presumed Asbestos Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 13 **Location Name: Engine Room Casing** **Floor: Main Deck** **Room #:** **Square ft: 50**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Mechanical Equipment	Exhaust	Magnesia block	Surface	Canvas	B	Y	10	(7)					LF	S0011	Confirmed Asbestos	Friable
Mechanical Equipment	Generator Exhaust	Magnesia block	Surface	Canvas	B	Y	15	(7)					LF	V0010	Confirmed Asbestos	Friable
Mechanical Equipment	Exhaust	Magnesia block	Surface	Canvas	B	Y	20	(7)					LF	V0007	Confirmed Asbestos	Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 14 **Location Name: Incinerator** **Floor: Main Deck** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Mechanical Equipment	Exhaust	Magnesia block			B	Y	9	(7)	1	(6)			LF	V0011	Confirmed Asbestos	Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 15 **Location Name: Engine Room Casing** **Floor: Upper Deck** **Room #:** **Square ft: 800**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Mechanical Equipment	Exhaust	Magnesia block	Surface	Canvas	B	Y	20	(7)					LF	V0007	Confirmed Asbestos	Friable
Mechanical Equipment	Exhaust	Magnesia block	Surface	Canvas	B	Y	20	(7)					LF	S0015	Confirmed Asbestos	Friable

PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard **Site:** Vessels

Building Number(s): 383326

Confirmed Asbestos and Presumed Asbestos Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 16 **Location Name: Engine Room** **Floor: Boat Deck** **Room #:** **Square ft: 50**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Mechanical Equipment	Exhaust	Magnesia block	Surface	Canvas	B	Y	30	(7)					LF	V0015	Confirmed Asbestos	Friable
Mechanical Equipment	Exhaust	Magnesia block	Surface	Canvas	B	Y	10	(7)					LF	V0007	Confirmed Asbestos	Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 17 **Location Name: Engine Room** **Floor: Bridge Dec** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Mechanical Equipment	Exhaust	Magnesia block	Surface	Canvas	B	Y	20	(7)					LF	V0015	Confirmed Asbestos	Friable
Mechanical Equipment	Generator Exhaust	Magnesia block	Surface	Canvas	B	Y	60	(7)					LF	S0019	Confirmed Asbestos	Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 23 **Location Name: A/C #5** **Floor: Upper Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Piping	Hot Water Heating	Parging Cement	Elbow	Canvas	B	Y	3	(7)	1	(6)			SF	V0021	Confirmed Asbestos	Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 29 **Location Name: A/C #2-3** **Floor: Boat Deck** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Piping	Hot Water Heating	Canvas	Straight	Paint	B	Y	3	(7)			1	(3)	LF	S0022	Confirmed Asbestos	

Confirmed Asbestos and Presumed Asbestos Report

Confirmed Asbestos and Presumed Asbestos Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**

Location #: 33 **Location Name: Canteen Store** **Floor: Main Deck** **Room #:** **Square ft: 32**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive	Surface		A	Y	50	(7)					SF	V0026	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive	Surface		A	Y	50	(7)					SF	V0027	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**

Location #: 38 **Location Name: Corridor** **Floor: Main Deck** **Room #:** **Square ft: 800**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive	Surface		A	Y	1	(7)					SF	S0025	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive	Surface		A	Y	5	(7)					SF	S0035	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive	Surface		A	Y	1	(7)					SF	S0026	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive	Surface		A	Y	790	(7)					SF	S0033	Presumed Asbestos	Non-Friable

Note: S-33 - 1x1 green S-25 - 1x1 black S-26 - 1x1 Blue S-35 - 1x1 Red

Confirmed Asbestos and Presumed Asbestos Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 42 **Location Name: Cafeteria** **Floor: Main Deck** **Room #:** **Square ft: 800**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	200	(7)					SF	S0029	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	100	(7)					SF	V0030	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	200	(7)					SF	S0027	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	200	(7)					SF	V0035	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	100	(7)					SF	V0026	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	50	(7)					SF	V0025	Presumed Asbestos	Non-Friable

Note: S-27 - 1x1 Beige S-29 - 1x1 Grey

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 58 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	50	(7)					SF	V0031	Confirmed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	100	(7)					SF	V0027	Presumed Asbestos	Non-Friable

PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard **Site:** Vessels

Building Number(s): 383326

Confirmed Asbestos and Presumed Asbestos Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 59 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	80	(7)					SF	V0035	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	80	(7)					SF	V0027	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 60 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	75	(7)					SF	V0027	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	75	(7)					SF	V0035	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 69 **Location Name: Hobby Room** **Floor: Main Deck** **Room #:** **Square ft: 300**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	300	(7)					SF	S0030	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 79 **Location Name: Corridor** **Floor: Main Deck** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	800	(7)					SF	V0033	Presumed	Asbestos

Confirmed Asbestos and Presumed Asbestos Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 81 **Location Name: Gymnasium** **Floor: Main Deck** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	400	(7)					SF	V0031	Confirmed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 82 **Location Name: Elevator Mechanical Room** **Floor: Main Deck** **Room #:** **Square ft: 100**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	50	(7)					SF	V0027	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	50	(7)					SF	V0026	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 83 **Location Name: Smocking Room** **Floor: Main Deck** **Room #:** **Square ft: 64**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	100	(7)					SF	V0027	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 86 **Location Name: Corridor** **Floor: Main Deck** **Room #:** **Square ft: 800**

Hazardous Material Inventory System

Confirmed Asbestos and Presumed Asbestos Report

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	800	(7)					SF	V0033	Presumed Asbestos	Non-Friable

Confirmed Asbestos and Presumed Asbestos Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 87 **Location Name: Corridor** **Floor: Main Deck** **Room #:** **Square ft: 800**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	800	(7)					SF	V0033	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 90 **Location Name: Canteen** **Floor: Main Deck** **Room #:** **Square ft: 49**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	49	(7)					SF	V0031	Confirmed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 97 **Location Name: Dispensery** **Floor: Upper Deck** **Room #:** **Square ft: 144**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Leveling Compou			A	Y	144	(7)					SF	V9500	Presumed Asbestos	Non-Friable

Note: S-28 - 1x1 White

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 98 **Location Name: Lobby** **Floor: Upper Deck** **Room #:** **Square ft: 36**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Leveling Compou			A	Y	15	(7)					SF	V9500	Presumed Asbestos	Non-Friable

Confirmed Asbestos and Presumed Asbestos Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 99 **Location Name: Washroom** **Floor: Upper Deck** **Room #:** **Square ft: 18**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Leveling Compou			A	Y	30	(7)					SF	V9500	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 102 **Location Name: Engineer Office** **Floor: Upper Deck** **Room #:** **Square ft: 144**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VSF and Mastic Adhesive	Surface		B	Y	300	(7)					SF	S0048	Presumed Asbestos	Non-Friable

Note: s-48 - Grey

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 103 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Leveling Compou			A	Y	25	(7)					SF	V9500	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	130	(7)					SF	V0029	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	20	(7)					SF	V0033	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 104 **Location Name: Corridor** **Floor: Upper Deck** **Room #:** **Square ft: 800**

Hazardous Material Inventory System

Confirmed Asbestos and Presumed Asbestos Report

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
		Vinyl and Mastic Adhesive					300	(7)					SF	V0030	Presumed Asbestos	Non-Friable

Confirmed Asbestos and Presumed Asbestos Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 107 **Location Name: Corridor** **Floor: Upper Deck** **Room #:** **Square ft: 800**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	800	(7)					SF	V0030	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 108 **Location Name: Laundry** **Floor: Upper Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		VSF and Mastic Adhesive			A	Y	400	(7)					SF	V9500	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 112 **Location Name: Sick Bay** **Floor: Uppder Dec** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Leveling Compou			A	Y	35	(7)					SF	V9500	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	150	(7)					SF	V0040	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 116 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Leveling Compou			A	Y	35	(7)					SF	V9500	Presumed Asbestos	Non-Friable

Confirmed Asbestos and Presumed Asbestos Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 118 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	140	(7)					SF	V0028	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	5	(7)					SF	V0029	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	5	(7)					SF	V0030	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 123 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	120	(7)					SF	V0028	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	10	(7)					SF	V0033	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	10	(7)					SF	V0030	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	100	(7)					SF	V0029	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 125 **Location Name: Corridor** **Floor: Boat Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	200	(7)					SF	V0030	Presumed Asbestos	Non-Friable

Confirmed Asbestos and Presumed Asbestos Report

Confirmed Asbestos and Presumed Asbestos Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 137 **Location Name: Cabin** **Floor: Officer De** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Leveling Compou			A	Y	100	(7)					SF	V9500	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 140 **Location Name: Cabin** **Floor: Officer De** **Room #:** **Square ft: 300**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Leveling Compou			A	Y	150	(7)					SF	V9500	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 141 **Location Name: Office** **Floor: Officer De** **Room #:** **Square ft: 100**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	100	(7)					SF	V0033	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 142 **Location Name: Corridor** **Floor: Officer De** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	200	(7)					SF	V0030	Presumed Asbestos	Non-Friable

Confirmed Asbestos and Presumed Asbestos Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 144 **Location Name: Locker** **Floor: Bridge Dec** **Room #:** **Square ft: 16**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	16	(7)					SF	V0031	Confirmed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 145 **Location Name: Electronics Workshop** **Floor: Bridge Dec** **Room #:** **Square ft: 300**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	300	(7)					SF	V0028	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 146 **Location Name: Chart Room** **Floor: Bridge Dec** **Room #:** **Square ft: 300**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	300	(7)					SF	V0030	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**

PINCHIN ENVIRONMENTAL HMIS

Client: Canadian Coast Guard **Site:** Vessels

Building Number(s): 383326

Location #: 148 **Location Name:** Office **Floor:** Bridge Dec **Room #:** **Square ft:** 144

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	144	(7)					SF	V0030	Presumed Asbestos	Non-Friable

Date: 14/05/13 09:31:01

Confirmed Asbestos and Presumed Asbestos Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**

Location #: 149 **Location Name: Corridor** **Floor: Bridge Dec** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	200	(7)					SF	V0030	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**

Location #: 150 **Location Name: Wheelhouse** **Floor: Bridge Dec** **Room #:** **Square ft: 800**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	800	(7)					SF	V0028	Presumed Asbestos	Non-Friable

Confirmed Asbestos and Presumed Asbestos Report

Legend:

Action				Access		Condition		Sample Number	
(1)	Clean Up of ACM Debris	(2)	Precautions for Access Which may Disturb ACM Debris	A	Accessible to all building occupants	Good	No visible damage or deterioration.	S####	Sample collected
(3)	ACM removal	(4)	Precautions for Work Which may Disturb ACM in Poor Condition	B	Accessible to maintenance and operations staff without a ladder	Fair	Minor, repairable damage, cracking or deterioration.	V####	Material is visually identified to be identical to S###
(5)	Proactive ACM removal (Minimum repair required for fair condition)	(6)	ACM repair	C	Accessible to maintenance and operations staff with a ladder. Also rarely entered, locked areas	Poor	Irreparable damage or deterioration with exposed and missing material	V0000	Known non-asbestos material
(7)	Management program and surveillance			D	Not normally accessible or without demolition	NOTE: See report for full definitions of action, access and condition		V9000	Material is visually identified to contain asbestos
								V9500	Material is presumed to contain asbestos
NOTE: Actions in round brackets ( ) are auto-calculated. Actions in square brackets [ ] are manual								Note: Presumed various materials identified in the report are ACM if not sampled.	

Units SF - Square feet LF - Linear feet EA - Each % - Percentage

APPENDIX II-E

HIMS REPORT WITH COMPETE DATA

PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard **Site:** Vessels

Building Number(s): 383326

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 1 **Location Name: Propulsion Engine** **Floor: Tank Top** **Room #:** **Square ft: 2500**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Metal													None	
Structure		Metal													None	
Piping		Fibreglass													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	200						LF	S0001	None	
Piping	Hot Water Heating	Parging Cement	Elbow	Canvas	B	Y	11	(7)					EA	S0002	Confirmed Asbestos	Friable
Duct		Fibreglass													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 2 **Location Name: Aft Engine Room** **Floor: Tank Top** **Room #:** **Square ft: 2500**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Metal													None	
Structure		Metal													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	400						LF	V0001	None	
Piping	Domestic Water (Hot & Cold)	Magnesia block	Straight	Canvas	B	Y	100						LF	S0003	None	
Duct		Fibreglass													None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 3 **Location Name: Forward Engine** **Floor: Tank Top** **Room #:** **Square ft: 2500**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Metal													None	
Structure		Metal													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	160						LF	V0001	None	
Duct		Fibreglass													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 4 **Location Name: Forward Engine** **Floor: Engine Dec** **Room #:** **Square ft: 2500**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Fibreglass													None	
Structure		Fibreglass													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	800						LF	S0004	None	
Duct		Fibreglass													None	
Mechanical Equipment	Boiler	Fibreglass													None	
Mechanical Equipment	Generator Exhaust	Magnesia block	Surface	Canvas	B	Y	80						LF	S0005	None	
Mechanical Equipment	Main Engine Exh	Magnesia block	Surface	Canvas	B	Y	40						LF	S0006	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 5 **Location Name: Aft Engine** **Floor: Engine Dec** **Room #:** **Square ft: 2500**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Fibreglass													None	
Structure		Fibreglass													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	400						LF	V0004	None	
Duct		Fibreglass													None	
Mechanical Equipment	Compressor	Magnesia block	Surface	Canvas	B		20	(7)					LF	S0007	Confirmed Asbestos	Friable
Mechanical Equipment	Main Engine Exh	Magnesia block	Surface	Canvas	B	Y	80						LF	V0006	None	
Mechanical Equipment	Generator Exhaust	Magnesia block	Surface	Canvas	B	Y	20						LF	V0005	None	

Note: Compressor

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 6 **Location Name: Control Room** **Floor: Engine Dec** **Room #:** **Square ft: 500**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Fibreglass													None	
Structure		Fibreglass													None	
Piping		Armaflex													None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 7 **Location Name: Propulsion** **Floor: Engine Dec** **Room #:** **Square ft: 2500**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Fibreglass													None	
Structure		Fibreglass													None	
Piping	Oil supply	Paper	Surface	Paint	B	Y	8	(7)					LF	S0008	Confirmed Asbestos	Non-Friable
Piping	Domestic Water (Hot & Cold)	Fibreglass													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	300						LF	V0004	None	
Duct		Fibreglass													None	
Mechanical Equipment	Tank	Armaflex													None	

Note: Oil = Oil Cleaner

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 8 **Location Name: Engineer store** **Floor: Engine Dec** **Room #:** **Square ft: 225**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Metal													None	
Structure		Metal													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	125						LF	V0004	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 9 **Location Name: Heeling Pump** **Floor: Engine Dec** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Metal													None	
Structure		Metal													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	125						LF	V0004	None	
Duct		Not Insulated													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 10 **Location Name: Cargo Hold** **Floor: Engine Dec** **Room #:** **Square ft: 144**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Metal													None	
Structure		Metal													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	75						LF	V0004	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 11 **Location Name: Bow Thruster** **Floor: Engine Dec** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Metal													None	
Structure		Metal													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	150						LF	V0004	None	
Duct		Fibreglass													None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**

Location #: 12 **Location Name: Engine Room Casing** **Floor: Main Deck** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Fibreglass													None	
Structure		Metal													None	
Piping		Not Insulated													None	
Piping		Fibreglass													None	
Piping		Armaflex													None	
Duct		Not Insulated													None	
Duct		Fibreglass													None	
Mechanical Equipment	Main Engine Exh	Magnesia block	Surface	Canvas	B	Y	10						LF	S0009	None	
Mechanical Equipment	Generator Exhaust	Magnesia block	Surface	Canvas	B	Y	30	(7)					LF	S0010	Confirmed Asbestos	Friable

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**

Location #: 13 **Location Name: Engine Room Casing** **Floor: Main Deck** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Fibreglass													None	
Structure		Metal													None	
Piping		Fibreglass													None	
Duct		Not Insulated													None	
Mechanical Equipment	Generator Exhaust	Magnesia block	Surface	Canvas	B	Y	15	(7)					LF	V0010	Confirmed Asbestos	Friable
Mechanical Equipment	Main Engine Exh	Magnesia block	Surface	Canvas	B	Y	80						LF	V0009	None	
Mechanical Equipment	Exhaust	Magnesia block	Surface	Canvas	B	Y	20	(7)					LF	V0007	Confirmed Asbestos	Friable
Mechanical Equipment	Exhaust	Magnesia block	Surface	Canvas	B	Y	10	(7)					LF	S0011	Confirmed Asbestos	Friable

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 14 **Location Name: Incinerator** **Floor: Main Deck** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Fibreglass													None	
Structure		Metal													None	
Piping		Armaflex													None	
Piping		Not Insulated													None	
Piping		Fibreglass													None	
Duct		Fibreglass													None	
Mechanical Equipment	Exhaust	Magnesia block			B	Y	9	(7)	1	(6)			LF	V0011	Confirmed Asbestos	Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 15 **Location Name: Engine Room Casing** **Floor: Upper Deck** **Room #:** **Square ft: 800**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Piping		Not Insulated													None	
Piping		Fibreglass													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	80						LF	S0012	None	
Duct		Fibreglass													None	
Mechanical Equipment	Generator Exhaust	Magnesia block	Surface	Canvas	B	Y	60						LF	S0014	None	
Mechanical Equipment	Exhaust	Magnesia block	Surface	Canvas	B	Y	20	(7)					LF	S0015	Confirmed Asbestos	Friable
Mechanical Equipment	Main Engine Exh	Magnesia block	Surface	Canvas	B	Y	120						LF	S0013	None	
Mechanical Equipment	Exhaust	Magnesia block	Surface	Canvas	B	Y	20	(7)					LF	V0007	Confirmed Asbestos	Friable

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 16 **Location Name: Engine Room** **Floor: Boat Deck** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Metal													None	
Structure		Metal													None	
Piping		Not Insulated													None	
Duct		Fibreglass													None	
Mechanical Equipment	Exhaust	Magnesia block	Surface	Canvas	B	Y	30	(7)					LF	V0015	Confirmed Asbestos	Friable
Mechanical Equipment	Exhaust	Magnesia block	Surface	Canvas	B	Y	10	(7)					LF	V0007	Confirmed Asbestos	Friable
Mechanical Equipment	Generator Exhaust	Magnesia block	Surface	Canvas	B	Y	90						LF	S0017	None	
Mechanical Equipment	Main Engine Exh	Magnesia block	Surface	Canvas	B	Y	180						LF	S0016	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 17 **Location Name: Engine Room** **Floor: Bridge Dec** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Metal													None	
Structure		Metal													None	
Duct		Not Insulated													None	
Mechanical Equipment	Main Engine Exh	Magnesia block	Surface	Canvas	B	Y	120						LF	S0018	None	
Mechanical Equipment	Generator Exhaust	Magnesia block	Surface	Canvas	B	Y	60	(7)					LF	S0019	Confirmed Asbestos	Friable
Mechanical Equipment	Exhaust	Magnesia block	Surface	Canvas	B	Y	20	(7)					LF	V0015	Confirmed Asbestos	Friable

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 18 **Location Name: Engineer spares** **Floor: Main Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Fibreglass													None	
Piping		Not Insulated													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 19 **Location Name: Stearing Gear** **Floor: Main Deck** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Fibreglass													None	
Piping		Not Insulated													None	
Piping	Hot Water Heating	Magnesia block	Surface	Canvas	B	Y	80						LF	S0020	None	
Duct		Not Insulated													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 20 **Location Name: A/C #4** **Floor: Main Deck** **Room #:** **Square ft: 100**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Fibreglass													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	10						LF	V0020	None	
Duct		Fibreglass													None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 21 **Location Name: Air Compressor Room** **Floor: Upper Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Fibreglass													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	35						LF	V0012	None	
Duct		Not Insulated													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 22 **Location Name: JP4** **Floor: Engine Dec** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Metal													None	
Structure		Metal													None	
Piping		Not Insulated													None	
Piping	Hot Water Heating	Fibreglass w/Parging	Straight	Canvas	B	Y	30						LF	V0004	None	
Duct		Not Insulated													None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 23 **Location Name: A/C #5** **Floor: Upper Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Fibreglass													None	
Walls		Metal													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	30						LF	V0012	None	
Piping	Hot Water Heating	Parging Cement	Elbow	Canvas	B	Y	3	(7)	1	(6)			SF	V0021	Confirmed Asbestos	Friable
Duct		Fibreglass													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 24 **Location Name: Valve Room** **Floor: Upper Deck** **Room #:** **Square ft: 50**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Fibreglass													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	10						LF	V0012	None	
Duct		Fibreglass													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 25 **Location Name: Bosun Store** **Floor: Main Deck** **Room #:** **Square ft: 300**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Fibreglass													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	40						LF	V0020	None	
Piping		Not Insulated													None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 26 **Location Name: Mechanical Shop** **Floor: Boat Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Fibreglass													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	30						LF	V0023	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Metal													None	
Structure		Metal													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	35						LF	V0023	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Fibreglass													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	50						LF	V0023	None	
Duct		Not Insulated													None	
Duct		Fibreglass													None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 29 **Location Name: A/C #2-3** **Floor: Boat Deck** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Fibreglass													None	
Piping	Hot Water Heating	Canvas	Straight	Paint	B	Y	3	(7)			1	(3)	LF	S0022	Confirmed Asbestos	Non-Friable
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	40						LF	V0023	None	
Duct		Fibreglass													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 30 **Location Name: A/C #6** **Floor: Officer De** **Room #:** **Square ft: 64**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Metal													None	
Structure		Metal													None	
Piping		Not Insulated													None	
Duct		Fibreglass													None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 31 **Location Name: Emergency Generator** **Floor: Officer De** **Room #:** **Square ft: 300**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Fibreglass													None	
Walls		Metal													None	
Structure		Metal													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	35						LF	S0023	None	
Mechanical Equipment	Generator Exhaust	Magnesia block	Surface	Canvas	B	Y	15						LF	S0024	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 32 **Location Name: Batteries Room** **Floor: Officer De** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Metal													None	
Structure		Metal													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	40						LF	V0023	None	
Duct		Not Insulated													None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 33 **Location Name: Canteen Store** **Floor: Main Deck** **Room #:** **Square ft: 32**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive	Surface		A	Y	50	(7)					SF	V0027	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive	Surface		A	Y	50	(7)					SF	V0026	Presumed Asbestos	Non-Friable
Walls		Metal													None	
Structure		Metal													None	
Piping		Not Insulated													None	
Duct		Not Insulated													None	
Duct		Fibreglass													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 34 **Location Name: Canteen Store** **Floor: Main Deck** **Room #:** **Square ft: 32**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Walls		Metal													None	
Structure		Metal													None	
Piping		Fibreglass													None	
Piping		Not Insulated													None	
Duct		Fibreglass													None	
Duct		Not Insulated													None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 35 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	S0032	None	
Structure		Fibreglass													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 36 **Location Name: Central Store** **Floor: Main Deck** **Room #:** **Square ft: 1000**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Metal													None	
Piping		Metal													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	100						LF	V0020	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 37 **Location Name: Freezer** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Metal													None	
Walls		Metal													None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 38 **Location Name: Corridor** **Floor: Main Deck** **Room #:** **Square ft: 800**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive	Surface		A	Y	1	(7)					SF	S0025	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive	Surface		A	Y	1	(7)					SF	S0026	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive	Surface		A	Y	5	(7)					SF	S0035	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive	Surface		A	Y	790	(7)					SF	S0033	Presumed Asbestos	Non-Friable
Ceiling	AT-01	Lay-in ceiling tiles			C	Y	800						SF	S0034	None	
Walls		Metal													None	
Structure		Metal													None	
Piping		Not Insulated													None	
Duct		Not Insulated													None	

Note: S-33 - 1x1 green S-25 - 1x1 black S-26 - 1x1 Blue S-35 - 1x1 Red

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 39 **Location Name: Freezer** **Floor: Main Deck** **Room #:** **Square ft: 100**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Metal													None	
Walls		Metal													None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 40 **Location Name: Freezer** **Floor: Main Deck** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Metal													None	
Walls		Metal													None	
Piping		Armaflex													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 41 **Location Name: Galley** **Floor: Main Deck** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Ceramic Tiles													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	800						SF	V0000	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 42 **Location Name: Cafeteria** **Floor: Main Deck** **Room #:** **Square ft: 800**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	200	(7)					SF	S0029	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	100	(7)					SF	V0030	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	200	(7)					SF	S0027	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	200	(7)					SF	V0035	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	50	(7)					SF	V0025	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	100	(7)					SF	V0026	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	700						SF	S0036	None	

Note: S-27 - 1x1 Beige S-29 - 1x1 Grey

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 43 **Location Name: Pantry** **Floor: Main Deck** **Room #:** **Square ft: 100**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Ceramic Tiles													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	400						SF	V0000	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 44 **Location Name: Freezer** **Floor: Main Deck** **Room #:** **Square ft: 64**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Metal													None	
Walls		Metal													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 45 **Location Name: Female Washroom** **Floor: Main Deck** **Room #:** **Square ft: 100**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Ceramic Tiles													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	400						SF	S0037	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 46 **Location Name: Male Washroom** **Floor: Main Deck** **Room #:** **Square ft: 100**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Ceramic Tiles													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	400						SF	V0000	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 47 **Location Name: Sanitary Equipment** **Floor: Main Deck** **Room #:** **Square ft: 100**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Metal													None	
Structure		Metal													None	
Piping		Fibreglass													None	
Duct		Fibreglass													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 48 **Location Name: Clothing Store** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Metal													None	
Structure		Metal													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	10						LF	V0020	None	
Duct		Fibreglass													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 49 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	S0038	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 50 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		VSF and Mastic Adhesive			A	Y	150						SF	V0000	None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 51 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		VSF and Mastic Adhesive			A	Y	150						SF	V0000	None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 52 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		VSF and Mastic Adhesive			A	Y	150						SF	V0000	None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 53 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		VSF and Mastic Adhesive			A	Y	120						SF	V0000	None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 54 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		VSF and Mastic Adhesive			A	Y	150						SF	V0000	None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	300						SF	S0039	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 55 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		VSF and Mastic Adhesive			A	Y	150						SF	V0000	None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 56 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		VSF and Mastic Adhesive			A	Y	150						SF	V0000	None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 57 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		VSF and Mastic Adhesive			A	Y	150						SF	V0000	None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 58 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	50	(7)					SF	V0031	Confirmed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	100	(7)					SF	V0027	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 59 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	80	(7)					SF	V0035	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	80	(7)					SF	V0027	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 60 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	75	(7)					SF	V0027	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	75	(7)					SF	V0035	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	400						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 61 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		VSF and Mastic Adhesive			A	Y	150						SF	V0000	None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

Note: S-40 - 1x1 Beige with brown line

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Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 62 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		VSF and Mastic Adhesive			A	Y	120						SF	V0000	None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 63 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	S0041	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 64 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		VSF and Mastic Adhesive			A	Y	150						SF	V0000	None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

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Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 65 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		VSF and Mastic Adhesive			A	Y	150						SF	V0000	None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 66 **Location Name: Crockery Store** **Floor: Main Deck** **Room #:** **Square ft: 100**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Metal													None	
Walls		Metal													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	20						LF	V0020	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 67 **Location Name: Bulk Store** **Floor: Main Deck** **Room #:** **Square ft: 144**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Metal													None	
Walls		Metal													None	
Structure		Metal													None	
Piping		Not Insulated													None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 68 **Location Name: Crew's Lounge** **Floor: Main Deck** **Room #:** **Square ft: 2000**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling	AT-01	Lay-in ceiling tiles			C	Y	2000						SF	V0034	None	
Walls		Drywall (No J.C			A	Y	700						SF	S0042	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 69 **Location Name: Hobby Room** **Floor: Main Deck** **Room #:** **Square ft: 300**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	300	(7)					SF	S0030	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	800						SF	S0043	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 70 **Location Name: Spares Store** **Floor: Main Deck** **Room #:** **Square ft: 144**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Fibreglass													None	
Walls		Fibreglass													None	
Piping		Not Insulated													None	
Piping		Fibreglass													None	

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Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 71 **Location Name: Gear Room** **Floor: Main Deck** **Room #:** **Square ft: 144**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Fibreglass													None	
Walls		Fibreglass													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	40						LF	V0020	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 72 **Location Name: Motors Spares** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Fibreglass													None	
Walls		Fibreglass													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	20						LF	V0020	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 73 **Location Name: Paint Room** **Floor: Main** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Fibreglass													None	
Walls		Fibreglass													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	20						LF	V0020	None	

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Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 74 **Location Name: Carpenter Workshop** **Floor: Main Deck** **Room #:** **Square ft: 225**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Fibreglass													None	
Walls		Fibreglass													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	50						LF	V0020	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 75 **Location Name: CO2 Room** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Fibreglass													None	
Walls		Fibreglass													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	50						LF	V0020	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 76 **Location Name: Cargo Trunk** **Floor: Main Deck** **Room #:** **Square ft: 144**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Metal													None	
Structure		Metal													None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 77 **Location Name: Utility Locker** **Floor: Main Deck** **Room #:** **Square ft: 36**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Metal													None	
Structure		Metal													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 78 **Location Name: Corridor** **Floor: Main Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling	AT-01	Lay-in ceiling tiles	Surface		C	Y	200						SF	V0034	None	
Walls		Metal													None	
Walls		Metal													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 79 **Location Name: Corridor** **Floor: Main Deck** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	800	(7)					SF	V0033	Presumed Asbestos	Non-Friable
Ceiling	AT-01	Lay-in ceiling tiles			C	Y	400						SF	V0034	None	
Walls		Drywall (No J.C			A	Y	800						SF	V0000	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 80 **Location Name: Washroom** **Floor: Main Deck** **Room #:** **Square ft: 144**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Concrete(poured)													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	480						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 81 **Location Name: Gymnasium** **Floor: Main Deck** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	400	(7)					SF	V0031	Confirmed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	800						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 82 **Location Name: Elevator Mechanical Room** **Floor: Main Deck** **Room #:** **Square ft: 100**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	50	(7)					SF	V0027	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	50	(7)					SF	V0026	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Fibreglass													None	
Piping		Not Insulated													None	
Duct		Fibreglass													None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 83 **Location Name: Smocking Room** **Floor: Main Deck** **Room #:** **Square ft: 64**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	100	(7)					SF	V0027	Presumed Asbestos	Non-Friable
Walls		Metal													None	
Structure		Metal													None	
Duct		Not Insulated													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 84 **Location Name: Change Room** **Floor: Main Deck** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Ceramic Tiles													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	250						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 85 **Location Name: Washroom** **Floor: Main Deck** **Room #:** **Square ft: 144**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Ceramic Tiles													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	300						SF	V0000	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 86 **Location Name: Corridor** **Floor: Main Deck** **Room #:** **Square ft: 800**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	800	(7)					SF	V0033	Presumed Asbestos	Non-Friable
Ceiling	AT-01	Lay-in ceiling tiles			C	Y	800						SF	V0034	None	
Walls		Drywall (No J.C			A	Y	800						SF	V0000	None	
Structure		Fibreglass													None	
Piping		Not Insulated													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 87 **Location Name: Corridor** **Floor: Main Deck** **Room #:** **Square ft: 800**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	800	(7)					SF	V0033	Presumed Asbestos	Non-Friable
Ceiling	AT-01	Lay-in ceiling tiles			C	Y	800						SF	V0034	None	
Walls		Drywall (No J.C			A	Y	800						SF	V0000	None	
Structure		Fibreglass													None	
Piping		Not Insulated													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 88 **Location Name: Canteen Room** **Floor: Main Deck** **Room #:** **Square ft: 100**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Ceiling		Fibreglass													None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 89 **Location Name: Linen Locker** **Floor: Main Deck** **Room #:** **Square ft: 36**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Walls		Metal													None	
Structure		Metal													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 90 **Location Name: Canteen** **Floor: Main Deck** **Room #:** **Square ft: 49**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	49	(7)					SF	V0031	Confirmed Asbestos	Non-Friable
Walls		Metal													None	
Structure		Metal													None	
Duct		Fibreglass													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 91 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		VSF and Mastic Adhesive			A	Y	150						SF	V0000	None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 92 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Floor		VSF and Mastic Adhesive			A	Y	150						SF	V0000	None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 93 **Location Name: Lounge** **Floor: Upper Deck** **Room #:** **Square ft: 800**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	1000						SF	S0044	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 94 **Location Name: Dinning Room** **Floor: Upper Deck** **Room #:** **Square ft: 1000**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	1200						SF	S0045	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 95 **Location Name: Pantry** **Floor: Upper Deck** **Room #:** **Square ft: 144**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Ceramic Tiles													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	480						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 96 **Location Name: Washroom** **Floor: Upper Deck** **Room #:** **Square ft: 64**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Concrete(poured)													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	320						SF	S0046	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 97 **Location Name: Dispensery** **Floor: Upper Deck** **Room #:** **Square ft: 144**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Leveling Compou			A	Y	144	(7)					SF	V9500	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	480						SF	V0000	None	

Note: S-28 - 1x1 White

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 98 **Location Name: Lobby** **Floor: Upper Deck** **Room #:** **Square ft: 36**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Leveling Compou			A	Y	15	(7)					SF	V9500	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	240						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 99 **Location Name: Washroom** **Floor: Upper Deck** **Room #:** **Square ft: 18**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Leveling Compou			A	Y	30	(7)					SF	V9500	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	180						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 100 **Location Name: Photocopier Room** **Floor: Upper Deck** **Room #:** **Square ft: 100**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	400						SF	S0047	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 101 **Location Name: Utility Locker** **Floor: Upper Deck** **Room #:** **Square ft: 12**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action (Good / Fair / Poor)	Units	Sample	Hazard	Friability
Floor		Metal								None	
Walls		Metal								None	
Structure		Metal								None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**

Location #: 102 **Location Name: Engineer Office** **Floor: Upper Deck** **Room #:** **Square ft: 144**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action (Good / Fair / Poor)	Units	Sample	Hazard	Friability
Floor	Floor Tile 1	VSF and Mastic Adhesive	Surface		B	Y	300 (7)	SF	S0048	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass								None	
Walls		Drywall (No J.C			A	Y	400	SF	V0000	None	

Note: s-48 - Grey

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 103 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action (Good / Fair / Poor)	Units	Sample	Hazard	Friability
Floor		Leveling Compou			A	Y	25 (7)	SF	V9500	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	130 (7)	SF	V0029	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	20 (7)	SF	V0033	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass								None	
Walls		Drywall (No J.C			A	Y	500	SF	V0000	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 104 **Location Name: Corridor** **Floor: Upper Deck** **Room #:** **Square ft: 800**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	800	(7)					SF	V0030	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	800						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 105 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Ceramic Tiles													None	
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 106 **Location Name: Washroom** **Floor: Upper Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Ceramic Tiles													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	300						SF	V0000	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 107 **Location Name: Corridor** **Floor: Upper Deck** **Room #:** **Square ft: 800**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	800	(7)					SF	V0030	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	800						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 108 **Location Name: Laundry** **Floor: Upper Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		VSF and Mastic Adhesive			A	Y	400	(7)					SF	V9500	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 109 **Location Name: Cabin** **Floor: Uppder Dec** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	600						SF	S0049	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 110 **Location Name: Ship Office** **Floor: Upper Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		VSF and Mastic Adhesive			A	Y	300						SF	V0000	None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	600						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 111 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 144**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y			480				SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 112 **Location Name: Sick Bay** **Floor: Uppder Dec** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Leveling Compou			A	Y	35	(7)					SF	V9500	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	150	(7)					SF	V0040	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 113 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	600						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 114 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 115 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	400						SF	V0000	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 116 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Leveling Compou			A	Y	35	(7)					SF	V9500	Presumed Asbestos	Non-Friable
Floor		VSF and Mastic Adhesive			A	Y	45						SF	V0000	None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 117 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	600						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 118 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	140	(7)					SF	V0028	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	5	(7)					SF	V0029	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	5	(7)					SF	V0030	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 119 **Location Name: Washroom** **Floor: Upper Deck** **Room #:** **Square ft: 100**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Ceramic Tiles													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	400						SF	S0050	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 120 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 121 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		VSF and Mastic Adhesive			A	Y	200						SF	V0000	None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	600						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 122 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	600						SF	V00000	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 123 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	120	(7)					SF	V0028	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	100	(7)					SF	V0029	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	10	(7)					SF	V0033	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	10	(7)					SF	V0030	Presumed Asbestos	Non-Friable
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 124 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		VSF and Mastic Adhesive			A	Y	140						SF	V0000	None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 125 **Location Name: Corridor** **Floor: Boat Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	200	(7)					SF	V0030	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	800						SF	S0051	None	

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Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 126 **Location Name: Washroom** **Floor: Boat Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Ceramic Tiles													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	500						SF	S0052	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 127 **Location Name: Cabin** **Floor: Boat Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	600						SF	S0053	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 128 **Location Name: Cabin** **Floor: Boat Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	600						SF	V0000	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 129 **Location Name: Cabin** **Floor: Boat Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	600						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 130 **Location Name: Cabin** **Floor: Boat Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	600						SF	S0054	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 131 **Location Name: Cabin** **Floor: Boat Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	600						SF	S0055	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 132 **Location Name: Cabin** **Floor: Boat Deck** **Room #:** **Square ft: 300**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		VSF and Mastic Adhesive			A	Y	600						SF	V0000	None	
Ceiling		Fibreglass													None	
Walls		Terra Cotta			A	Y	800						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 133 **Location Name: Cabin** **Floor: Officer De** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	600						SF	S0056	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 134 **Location Name: Cabin** **Floor: Officer De** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	600						SF	V0000	None	

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Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 135 **Location Name: Cabin** **Floor: Officer De** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	600						SF	S0057	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 136 **Location Name: Office** **Floor: Officer De** **Room #:** **Square ft: 300**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	800						SF	S0058	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 137 **Location Name: Cabin** **Floor: Officer De** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Leveling Compou			A	Y	100	(7)					SF	V9500	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	600						SF	V0000	None	

All Data Report

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 138 **Location Name: Cabin** **Floor: Officers** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	600						SF	S0059	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 139 **Location Name: Washroom** **Floor: Officer De** **Room #:** **Square ft: 100**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Ceramic Tiles													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	400						SF	S0060	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 140 **Location Name: Cabin** **Floor: Officer De** **Room #:** **Square ft: 300**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Carpet													None	
Floor		Leveling Compou			A	Y	150	(7)					SF	V9500	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	900						SF	V0000	None	

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Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 141 **Location Name: Office** **Floor: Officer De** **Room #:** **Square ft: 100**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	100	(7)					SF	V0033	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	400						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 142 **Location Name: Corridor** **Floor: Officer De** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	200	(7)					SF	V0030	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	400						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 143 **Location Name: Under Wheelhouse** **Floor: Bridge Dec** **Room #:** **Square ft: 800**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Metal													None	
Ceiling		Fibreglass													None	
Walls		Metal													None	
Piping	Hot Water Heating	Magnesia block	Straight	Canvas	B	Y	100						SF	V0023	None	
Duct		Fibreglass													None	

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Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 144 **Location Name: Locker** **Floor: Bridge Dec** **Room #:** **Square ft: 16**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	16	(7)					SF	V0031	Confirmed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Metal													None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 145 **Location Name: Electronics Workshop** **Floor: Bridge Dec** **Room #:** **Square ft: 300**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	300	(7)					SF	V0028	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	800						SF	S0061	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 146 **Location Name: Chart Room** **Floor: Bridge Dec** **Room #:** **Square ft: 300**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	300	(7)					SF	V0030	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	800						SF	S0062	None	

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Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 147 **Location Name: Washroom** **Floor: Bridge Dec** **Room #:** **Square ft: 60**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Concrete(poured)													None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	320						SF	V0000	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 148 **Location Name: Office** **Floor: Bridge Dec** **Room #:** **Square ft: 144**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	144	(7)					SF	V0030	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	480						SF	S0063	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 149 **Location Name: Corridor** **Floor: Bridge Dec** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	200	(7)					SF	V0030	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	400						SF	S0064	None	

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Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 150 **Location Name: Wheelhouse** **Floor: Bridge Dec** **Room #:** **Square ft: 800**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	800	(7)					SF	V0028	Presumed Asbestos	Non-Friable
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	1200						SF	S0065	None	

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 151 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		VSF and Mastic Adhesive			A	Y	110						SF	V0000	None	
Ceiling		Fibreglass													None	
Walls		Drywall (No J.C			A	Y	600						SF	V0000	None	

All Data Report

Legend:

Action				Access		Condition		Sample Number	
(1)	Clean Up of ACM Debris	(2)	Precautions for Access Which may Disturb ACM Debris	A	Accessible to all building occupants	Good	No visible damage or deterioration.	S####	Sample collected
(3)	ACM removal	(4)	Precautions for Work Which may Disturb ACM in Poor Condition	B	Accessible to maintenance and operations staff without a ladder	Fair	Minor, repairable damage, cracking or deterioration.	V####	Material is visually identified to be identical to S###
(5)	Proactive ACM removal (Minimum repair required for fair condition)	(6)	ACM repair	C	Accessible to maintenance and operations staff with a ladder. Also rarely entered, locked areas	Poor	Irreparable damage or deterioration with exposed and missing material	V0000	Known non-asbestos material
(7)	Management program and surveillance			D	Not normally accessible or without demolition	NOTE: See report for full definitions of action, access and condition		V9000	Material is visually identified to contain asbestos
								V9500	Material is presumed to contain asbestos
NOTE: Actions in round brackets ( ) are auto-calculated. Actions in square brackets [ ] are manual								Note: Presumed various materials identified in the report are ACM if not sampled.	

Units SF - Square feet LF - Linear feet EA - Each % - Percentage

APPENDIX III

ASBESTOS ASSESSMENT MATRIX

APPENDIX III – HMIS ASBESTOS ASSESSMENT MATRIX

1.0 EVALUATION CRITERIA AND BASIS OF RECOMMENDATIONS

The detailed asbestos assessment provides information regarding the location, condition and accessibility of the Asbestos-Containing Materials (ACMs) used in the construction of the building. In order to make recommendations for compliance with current regulations, Pinchin Environmental Ltd. (Pinchin) developed the following ACM evaluation criteria based on the conclusions of published studies, particularly the "Royal Commission on Matters of Health and Safety Arising from the Use of Asbestos in Ontario" and our experience involving buildings that contain friable ACM.

2.1 EVALUATION OF CONDITION

2.2 Spray Applied Fireproofing/Insulation And Texture Finishes

To evaluate the condition of ACM sprayed or trowelled fireproofing, sprayed or trowelled thermal insulation (non-mechanical), or texture, decorative or acoustic finishes, the following criteria is applied:

Good	Surface of material shows no significant signs of damage, deterioration or delamination. Evaluation of sprayed materials requires the surveyor to be familiar with the typical irregular surface texture as installed. Good condition includes unencapsulated or unpainted fireproofing or texture finishes, where no delamination or damage is observed, or encapsulated fireproofing or texture finishes where the encapsulation has been applied after the damage or fallout occurred.
Poor	A sprayed material that shows signs of significant damage, is delaminating or deteriorating. Significant delamination to surface of ACM spray. Debris from the fireproofing is present or has been reported.

In observation areas where damage exists in isolated locations, both good and poor condition may be applicable. The extent or percentage of each condition will be recorded on the HMIS Survey Form. Fair condition is not utilized in the evaluation of ACM sprayed or trowelled fireproofing, sprayed or trowelled thermal insulation (non-mechanical), or texture, decorative or acoustic finishes.

The evaluation of ACM sprayed or trowelled fireproofing, sprayed or trowelled thermal insulation (non-mechanical), or texture, decorative or acoustic finishes which are present above ceilings, may be limited by the number of observations made, and by building components such as ducts or full height walls that obstruct

the above ceiling observations. Persons entering the ceiling space are advised to be watchful for ACM debris prior to accessing or working above ceilings in areas of buildings with this type of ACM regardless of the reported condition.

2.3 Mechanical Insulation

The evaluation of the condition of mechanical insulation (on vessels, boilers, breeching, ducts, pipes, fan units, equipment etc.) utilizes the following criteria:

Good	Insulation is completely covered in jacketing and exhibits no evidence of damage or deterioration. No insulation is exposed. Includes conditions where the jacketing has minor damage (i.e. scuffs or stains), but the jacketing is not penetrated.
Fair	Minor penetrating damage to jacketed insulation (cuts, tears, nicks, deterioration or delamination) or undamaged insulation that had never been jacketed. Insulation is exposed but not showing surface disintegration. The extent of missing insulation ranges from minor to none. Damage can be repaired.
Poor	Original insulation jacket is missing, damaged, deteriorated or delaminated. Insulation is exposed and significant areas have been dislodged. Damage cannot be readily repaired.

The evaluation of mechanical insulation may be limited by the number of observations made and building components such as ducts or full height walls that obstruct observations. It is not possible to observe each foot of mechanical insulation from all angles. Persons working in proximity to ACM mechanical insulation or entering ceilings with ACM mechanical insulation are advised to be watchful of ACM debris regardless of the reported condition.

2.4 Non-friable and Potentially Friable Materials

Potentially friable materials (or miscellaneous friable materials) include materials such as plaster and ceiling tiles. Examples of non-friable materials include vinyl floor tiles, vinyl sheet flooring, transite, etc.

The condition of non-friable or potentially friable materials which have the potential to become friable when handled is evaluated as follows:

Good	No significant damage. Material may be cracked or broken but is stable and not likely to become friable upon casual contact. If there is no friable debris present, the condition is rated as good
Poor	Material is severely damaged. Loose debris is present or binder has disintegrated to the point where the material has become friable.

The evaluation of the condition of non-friable and potentially friable materials does not utilize a fair condition rating.

2.5 Evaluation of ACM Debris

The identification of the exact location or presence of debris on the top of ceiling tiles is limited by the number of observations made and the presence of building components such as ducts or full height walls that obstruct observations. Workers are advised to be watchful for the presence of debris prior to accessing or working in proximity to mechanical insulation or above ceilings in areas of buildings with ACM regardless of the reported presence or absence of debris.

2.5.1 Debris from Friable ACM

The presence of fallen ACM is noted separately from the presumed friable ACM source and is referred to as debris. Debris is noted in poor condition only.

2.5.2 DEBRIS from Damaged Non-Friable ACM

The presence of fallen ACM from damaged non-friable ACM is also reported separately from the non-friable ACM source. Only fallen non-friable ACM that has become friable is reported as debris. Debris is noted in poor condition only.

2.6 Evaluation of Assumed Materials

The evaluation of Assumed Materials (AM), which are building materials that may contain asbestos but were not sampled or analyzed, is based on the assumption that these AM are asbestos containing.

A list of AM is provided in the Assessment Criteria section of the Asbestos-Containing Building Materials Assessment Report. In the event AM are sampled the findings are included in the text of the report, and these materials are then evaluated accordingly.

3.0 EVALUATION OF ACCESSIBILITY

The accessibility of building materials known or suspected of being ACM is rated according to the following criteria:

Access (A)	Common areas of the building within reach of all building users (approximately 8 ’- 9’ from floor or standard ceiling height). Includes areas where occupant activities may result in disturbance of the Material that is not normally within reach from floor level, but may be easily disturbed by common activities (e.g. gymnasiums, workshops, warehouses). Access A describes materials that could be readily disturbed.
Access (B)	Areas of the building accessed primarily by Maintenance/Caretaking/Janitorial Staff and within reach, without use of a ladder. Includes areas within reach in Boiler Rooms, Electrical Rooms, Janitors Closets, Elevator Rooms, Mechanical Rooms etc. Includes materials within reach from fixed ladders or catwalks, mezzanines, and accessible pipe chases.
Access(C) and Visible	Areas of the building above 8'-9’ where use of a ladder is required to reach the ACM. Only includes ACM that are visible to view without the removal or opening of other building components such as ceiling tiles, or service access panels or hatches. Visible column on HMIS sheets will say YES.
Access (C) and not Visible	Areas of the building above 8'-9’ where use of a ladder is required to reach the ACM. Includes ACM that are not visible to view and require the removal of a building component, including ceilings tiles, access panels and hatches to view and access. Includes rarely entered crawl spaces, attic spaces, etc. Observations will be limited to the extent visible from the access points. Visible column on HMIS sheets will say NO or LIMITED.
Access (D)	Areas of the building behind inaccessible solid ceiling systems, walls or equipment etc. where demolition of the ceiling, wall or equipment etc. is required to reach the ACM. Evaluation of condition and extent of ACM is limited or impossible, depending on the surveyor's ability to visually examine materials in access D.

4.1 ACTION MATRIX AND DEFINITIONS

Pinchin’s evaluation of the viability of a specific asbestos control option is based on the consideration of the condition, accessibility and visibility. The logic used is that damaged ACM located in an area frequently accessed by all building

occupants is of a higher priority than damaged ACM located in an infrequently accessed service area.

In any building with asbestos, current regulations require an Asbestos Management Program be implemented. Depending on the condition and the accessibility, more active measures such as repair or removal may be required. In the event of a building alteration, it will be necessary to remove ACM regardless of condition, which is likely to be disturbed by planned renovation, demolition or maintenance work.

The following factors are also considered in making site-specific recommendations for compliance with the regulation and the practical implementation of the Asbestos Management Program:

- ACM in poor condition is not routinely repairable. If an abatement action is necessary, removal is the recommended action (enclosure is a viable option in unusual circumstances).
- Mechanical insulation in fair condition can be repaired or removed based on the following general recommendations applied on a case by case basis (Note: Either repair or removal are legally acceptable options for the treatment of ACM found in fair condition):
  - Repair ACM mechanical insulation found in fair condition in access (B) or access (C exposed) areas.
  - Remove ACM mechanical insulation found in fair condition in access (B) and access (C exposed) areas, where future damage to the ACM is likely to occur.
  - Remove ACM mechanical insulation found in fair condition in access A to eliminate the potential for future damage to the ACM by building users.
- ACM in good condition present in access (A) at a minimum is subject to surveillance, as long as it is not disturbed during future renovation, maintenance or demolition. Pinchin recommends pro-active removal of the ACM in access (A) where damage is possible by ongoing occupant activity. This recommendation exceeds current regulatory requirements.
- For non-friable or manufactured products reported in good condition, Action 7 (surveillance) is the recommended action regardless of Accessibility.
- Removal of all ACM from a particular area where small quantities of asbestos are present may be advisable since this will negate the need for an Asbestos Management Program in that area. This is a recommendation that needs to be considered on a case by case basis.

With these principles in mind the following Action Matrix Tables establish the recommended asbestos control action. Note that factors not included in the above discussion, such as an upcoming renovation, an owner's policy to remove

material, knowledge of upcoming maintenance, etc., may result in a recommendation that differs from this table.

5.1 ACTION MATRIX TABLE

The following table outlines the action decisions based on the relationship of access and condition:

Access	Condition			Debris[1]	Assumed Materials
	Good	Fair	Poor		
(A)	Action 5/7[2]	Action 5/6[3]	Action 3	Action 1	Action 8
(B)	Action 7	Action 6/5[4]	Action 3	Action 1	Action 8
(C) Exposed	Action 7	Action 6	Action 4	Action 2	Action 8
(C) Concealed	Action 7	Action 7	Action 4	Action 2	Action 8
(D)	Action 7	Action 7	Action 7	Action 7	Action 8

5.2 Action Definitions

The following definitions relate to the Action Matrix Table presented above:

[1] Non-friable and potentially friable ACM found in poor condition, and friable debris (from a non-friable ACM source), shall be treated as poor or debris in the above table.

[2] If friable ACM in access (A)/good condition is not removed action 7 (Surveillance) is required.

[3] If friable ACM in access (A)/fair condition is not removed action 6 (Repair) is required.

[4] If friable ACM in access (B)/fair condition is likely to be disturbed action 5 (Proactive Removal) is required.

ACTION DEFINITIONS	
Action 1	**Immediate Clean-Up of Debris that is Likely to Be Disturbed** Restrict access that is likely to cause a disturbance of the ACM debris and clean up ACM debris immediately. Utilize correct asbestos precautions. This action is recommended for compliance with regulatory requirements. The surveyor will immediately notify the owner of this condition.
Action 2	**Type 2 Precautions for Entry into Areas with ACM Debris** At locations where ACM debris can be isolated in lieu of removal or cleaned up (e.g. debris on top of ceiling tiles), use appropriate means to limit entry to the area. Restrict access to the area to persons utilizing Type 2 asbestos precautions. The precautions will be required until the ACM debris has been cleaned up, and the source of the debris has been stabilised or removed.
Action 3	**ACM Removal Recommended for Compliance** Remove ACM for compliance with regulatory requirements. Utilize asbestos procedures appropriate to the scope of the removal work.
Action 4	**Type 2 Precautions for access near damaged ACM where it may be disturbed by access or work.** Use Type 2 asbestos precautions when accessing the area near to this damaged ACM, and when possible to disturb the ACM. This does not imply Type 2 procedures are required to access the entire room, just when working near to and when there is a possibility of disturbance. Use Action 4 until the ACM is removed. Pinchin recommends this ACM be removed where visible as soon as practicable (Action 3).
Action 5	**Proactive ACM Removal** Remove ACM in lieu of repair, or at locations where the presence of asbestos in good condition is not desirable.

ACTION DEFINITIONS	
Action 6	**ACM Repair** Repair/Install jacket on ACM in fair condition, and not likely to be damaged again or disturbed by normal use of the area or room. Upon completion of the repair work treat ACM as material in good condition and implement action 7. If ACM is likely to be damaged or disturbed, during normal use of the area or room, removal is recommended (Action 5).
Action 7	**Asbestos Management Program with Routine Surveillance** Implement an Asbestos Management Program, including routine surveillance of ACM. Trained workers or contractors must use appropriate asbestos precautions during disturbance of the remaining ACM.
Action 8	**Assumed Materials** Implement the Asbestos Management Program for building materials that historically contained asbestos but cannot, or have not, been sufficiently tested for asbestos content. These materials are identified as assumed material (AM). AM are discussed in greater detail in the Assessment Criteria section of the report. AM are to be treated as ACM and depending on access and condition are subject to the Action Matrix (actions 1 through 7) until bulk sampling confirms the absence of asbestos. Bulk sampling, of AM, is recommended prior the start of renovation, demolition, or maintenance work that will result in a significant disturbance of the AM.

APPENDIX IV

ASBESTOS MANAGEMENT PROGRAM

PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard **Site:** Vessels

Building Number(s): 383326

Action Report for Action 6

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 14 **Location Name: Incinerator** **Floor: Main Deck** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Mechanical Equipment	Exhaust	Magnesia block			B	Y	9	(7)	1	(6)			LF	V0011	Confirmed Asbestos	Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 23 **Location Name: A/C #5** **Floor: Upper Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Piping	Hot Water Heating	Parging Cement	Elbow	Canvas	B	Y	3	(7)	1	(6)			SF	V0021	Confirmed Asbestos	Friable

Date: 14/05/13 09:31:21

PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard **Site:** Vessels

Building Number(s): 383326

Action Report for Action 6

Legend:

Action				Access		Condition		Sample Number	
(1)	Clean Up of ACM Debris	(2)	Precautions for Access Which may Disturb ACM Debris	A	Accessible to all building occupants	Good	No visible damage or deterioration.	S####	Sample collected
(3)	ACM removal	(4)	Precautions for Work Which may Disturb ACM in Poor Condition	B	Accessible to maintenance and operations staff without a ladder	Fair	Minor, repairable damage, cracking or deterioration.	V####	Material is visually identified to be identical to S###
(5)	Proactive ACM removal (Minimum repair required for fair condition)	(6)	ACM repair	C	Accessible to maintenance and operations staff with a ladder. Also rarely entered, locked areas	Poor	Irreparable damage or deterioration with exposed and missing material	V0000	Known non-asbestos material
(7)	Management program and surveillance			D	Not normally accessible or without demolition	NOTE: See report for full definitions of action, access and condition		V9000	Material is visually identified to contain asbestos
								V9500	Material is presumed to contain asbestos
NOTE: Actions in round brackets ( ) are auto-calculated. Actions in square brackets [ ] are manual								Note: Presumed various materials identified in the report are ACM if not sampled.	

Units SF - Square feet LF - Linear feet EA - Each % - Percentage

Date: 14/05/13 09:31:21

PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard **Site:** Vessels

Building Number(s): 383326

Action Report for Action 7

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 1 **Location Name: Propulsion Engine** **Floor: Tank Top** **Room #:** **Square ft: 2500**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Piping	Hot Water Heating	Parging Cement	Elbow	Canvas	B	Y	11	(7)					EA	S0002	Confirmed Asbestos	Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 5 **Location Name: Aft Engine** **Floor: Engine Dec** **Room #:** **Square ft: 2500**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Mechanical Equipment	Compressor	Magnesia block	Surface	Canvas	B		20	(7)					LF	S0007	Confirmed Asbestos	Friable

Note: Compressor

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 7 **Location Name: Propulsion** **Floor: Engine Dec** **Room #:** **Square ft: 2500**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Piping	Oil supply	Paper	Surface	Paint	B	Y	8	(7)					LF	S0008	Confirmed Asbestos	Non-Friable

Note: Oil = Oil Cleaner

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 12 **Location Name: Engine Room Casing** **Floor: Main Deck** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Mechanical Equipment	Generator Exhaust	Magnesia block	Surface	Canvas	B	Y	30	(7)					LF	S0010	Confirmed Asbestos	Friable

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Action Report for Action 7

PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard **Site:** Vessels

Building Number(s): 383326

Action Report for Action 7

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 13 **Location Name: Engine Room Casing** **Floor: Main Deck** **Room #:** **Square ft: 50**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Mechanical Equipment	Exhaust	Magnesia block	Surface	Canvas	B	Y	10	(7)					LF	S0011	Confirmed Asbestos	Friable
Mechanical Equipment	Generator Exhaust	Magnesia block	Surface	Canvas	B	Y	15	(7)					LF	V0010	Confirmed Asbestos	Friable
Mechanical Equipment	Exhaust	Magnesia block	Surface	Canvas	B	Y	20	(7)					LF	V0007	Confirmed Asbestos	Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 14 **Location Name: Incinerator** **Floor: Main Deck** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Mechanical Equipment	Exhaust	Magnesia block			B	Y	9	(7)	1	(6)			LF	V0011	Confirmed Asbestos	Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 15 **Location Name: Engine Room Casing** **Floor: Upper Deck** **Room #:** **Square ft: 800**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Mechanical Equipment	Exhaust	Magnesia block	Surface	Canvas	B	Y	20	(7)					LF	V0007	Confirmed Asbestos	Friable
Mechanical Equipment	Exhaust	Magnesia block	Surface	Canvas	B	Y	20	(7)					LF	S0015	Confirmed Asbestos	Friable

PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard **Site:** Vessels

Building Number(s): 383326

Action Report for Action 7

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 16 **Location Name: Engine Room** **Floor: Boat Deck** **Room #:** **Square ft: 50**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Mechanical Equipment	Exhaust	Magnesia block	Surface	Canvas	B	Y	30	(7)					LF	V0015	Confirmed Asbestos	Friable
Mechanical Equipment	Exhaust	Magnesia block	Surface	Canvas	B	Y	10	(7)					LF	V0007	Confirmed Asbestos	Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 17 **Location Name: Engine Room** **Floor: Bridge Dec** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Mechanical Equipment	Exhaust	Magnesia block	Surface	Canvas	B	Y	20	(7)					LF	V0015	Confirmed Asbestos	Friable
Mechanical Equipment	Generator Exhaust	Magnesia block	Surface	Canvas	B	Y	60	(7)					LF	S0019	Confirmed Asbestos	Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 23 **Location Name: A/C #5** **Floor: Upper Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Piping	Hot Water Heating	Parging Cement	Elbow	Canvas	B	Y	3	(7)	1	(6)			SF	V0021	Confirmed Asbestos	Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 29 **Location Name: A/C #2-3** **Floor: Boat Deck** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Piping	Hot Water Heating	Canvas	Straight	Paint	B	Y	3	(7)			1	(3)	LF	S0022	Confirmed Asbestos	

Action Report for Action 7

Action Report for Action 7

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**

Location #: 33 **Location Name: Canteen Store** **Floor: Main Deck** **Room #:** **Square ft: 32**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive	Surface		A	Y	50	(7)					SF	V0026	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive	Surface		A	Y	50	(7)					SF	V0027	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**

Location #: 38 **Location Name: Corridor** **Floor: Main Deck** **Room #:** **Square ft: 800**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive	Surface		A	Y	1	(7)					SF	S0025	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive	Surface		A	Y	5	(7)					SF	S0035	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive	Surface		A	Y	1	(7)					SF	S0026	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive	Surface		A	Y	790	(7)					SF	S0033	Presumed Asbestos	Non-Friable

Note: S-33 - 1x1 green S-25 - 1x1 black S-26 - 1x1 Blue S-35 - 1x1 Red

Action Report for Action 7

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 42 **Location Name: Cafeteria** **Floor: Main Deck** **Room #:** **Square ft: 800**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	200	(7)					SF	S0029	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	100	(7)					SF	V0030	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	200	(7)					SF	S0027	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	200	(7)					SF	V0035	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	100	(7)					SF	V0026	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	50	(7)					SF	V0025	Presumed Asbestos	Non-Friable

Note: S-27 - 1x1 Beige S-29 - 1x1 Grey

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 58 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	50	(7)					SF	V0031	Confirmed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	100	(7)					SF	V0027	Presumed Asbestos	Non-Friable

PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard **Site:** Vessels

Building Number(s): 383326

Action Report for Action 7

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 59 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	80	(7)					SF	V0035	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	80	(7)					SF	V0027	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 60 **Location Name: Cabin** **Floor: Main Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	75	(7)					SF	V0027	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	75	(7)					SF	V0035	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 69 **Location Name: Hobby Room** **Floor: Main Deck** **Room #:** **Square ft: 300**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	300	(7)					SF	S0030	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 79 **Location Name: Corridor** **Floor: Main Deck** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	800	(7)					SF	V0033	Presumed	Asbestos

Action Report for Action 7

Action Report for Action 7

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 81 **Location Name: Gymnasium** **Floor: Main Deck** **Room #:** **Square ft: 400**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	400	(7)					SF	V0031	Confirmed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 82 **Location Name: Elevator Mechanical Room** **Floor: Main Deck** **Room #:** **Square ft: 100**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	50	(7)					SF	V0027	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	50	(7)					SF	V0026	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 83 **Location Name: Smocking Room** **Floor: Main Deck** **Room #:** **Square ft: 64**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	100	(7)					SF	V0027	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 86 **Location Name: Corridor** **Floor: Main Deck** **Room #:** **Square ft: 800**

Hazardous Material Inventory System

Action Report for Action 7

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	800	(7)					SF	V0033	Presumed Asbestos	Non-Friable

Action Report for Action 7

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 87 **Location Name: Corridor** **Floor: Main Deck** **Room #:** **Square ft: 800**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	800	(7)					SF	V0033	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 90 **Location Name: Canteen** **Floor: Main Deck** **Room #:** **Square ft: 49**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	49	(7)					SF	V0031	Confirmed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 97 **Location Name: Dispensery** **Floor: Upper Deck** **Room #:** **Square ft: 144**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Leveling Compou			A	Y	144	(7)					SF	V9500	Presumed Asbestos	Non-Friable

Note: S-28 - 1x1 White

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 98 **Location Name: Lobby** **Floor: Upper Deck** **Room #:** **Square ft: 36**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Leveling Compou			A	Y	15	(7)					SF	V9500	Presumed Asbestos	Non-Friable

Action Report for Action 7

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 99 **Location Name: Washroom** **Floor: Upper Deck** **Room #:** **Square ft: 18**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Leveling Compou			A	Y	30	(7)					SF	V9500	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 102 **Location Name: Engineer Office** **Floor: Upper Deck** **Room #:** **Square ft: 144**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VSF and Mastic Adhesive	Surface		B	Y	300	(7)					SF	S0048	Presumed Asbestos	Non-Friable

Note: s-48 - Grey

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 103 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Leveling Compou			A	Y	25	(7)					SF	V9500	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	130	(7)					SF	V0029	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	20	(7)					SF	V0033	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 104 **Location Name: Corridor** **Floor: Upper Deck** **Room #:** **Square ft: 800**

Hazardous Material Inventory System

Action Report for Action 7

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
		VAT and Mastic Adhesive			A	Y	800	(7)					SF	V0030	Presumed Asbestos	Non-Friable

PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard **Site:** Vessels

Building Number(s): 383326

Action Report for Action 7

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 107 **Location Name: Corridor** **Floor: Upper Deck** **Room #:** **Square ft: 800**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	800	(7)					SF	V0030	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 108 **Location Name: Laundry** **Floor: Upper Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		VSF and Mastic Adhesive			A	Y	400	(7)					SF	V9500	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 112 **Location Name: Sick Bay** **Floor: Uppder Dec** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Leveling Compou			A	Y	35	(7)					SF	V9500	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	150	(7)					SF	V0040	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 116 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Leveling Compou			A	Y	35	(7)					SF	V9500	Presumed Asbestos	Non-Friable

PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard **Site:** Vessels

Building Number(s): 383326

Action Report for Action 7

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 118 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	140	(7)					SF	V0028	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	5	(7)					SF	V0029	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	5	(7)					SF	V0030	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 123 **Location Name: Cabin** **Floor: Upper Deck** **Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	120	(7)					SF	V0028	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	10	(7)					SF	V0033	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	10	(7)					SF	V0030	Presumed Asbestos	Non-Friable
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	100	(7)					SF	V0029	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 125 **Location Name: Corridor** **Floor: Boat Deck** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	200	(7)					SF	V0030	Presumed Asbestos	Non-Friable

Action Report for Action 7

PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard **Site:** Vessels

Building Number(s): 383326

Action Report for Action 7

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 137 **Location Name: Cabin** **Floor: Officer De** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Leveling Compou			A	Y	100	(7)					SF	V9500	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 140 **Location Name: Cabin** **Floor: Officer De** **Room #:** **Square ft: 300**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor		Leveling Compou			A	Y	150	(7)					SF	V9500	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 141 **Location Name: Office** **Floor: Officer De** **Room #:** **Square ft: 100**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	100	(7)					SF	V0033	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 142 **Location Name: Corridor** **Floor: Officer De** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	200	(7)					SF	V0030	Presumed Asbestos	Non-Friable

Action Report for Action 7

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 144 **Location Name: Locker** **Floor: Bridge Dec** **Room #:** **Square ft: 16**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	16	(7)					SF	V0031	Confirmed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 145 **Location Name: Electronics Workshop** **Floor: Bridge Dec** **Room #:** **Square ft: 300**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	300	(7)					SF	V0028	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 146 **Location Name: Chart Room** **Floor: Bridge Dec** **Room #:** **Square ft: 300**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	300	(7)					SF	V0030	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**

PINCHIN ENVIRONMENTAL HMIS

Client: Canadian Coast Guard **Site:** Vessels

Building Number(s): 383326

Location #: 148 **Location Name:** Office **Floor:** Bridge Dec **Room #:** **Square ft:** 144

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	144	(7)					SF	V0030	Presumed Asbestos	Non-Friable

Action Report for Action 7

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 149 **Location Name: Corridor** **Floor: Bridge Dec** **Room #:** **Square ft: 200**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	200	(7)					SF	V0030	Presumed Asbestos	Non-Friable

Building #: 383326 **Building Name: CCGS Pierre Radisson** **Surveyor:** **Survey Date: 2013-05-07**
Location #: 150 **Location Name: Wheelhouse** **Floor: Bridge Dec** **Room #:** **Square ft: 800**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action						Units	Sample	Hazard	Friability
							Good		Fair		Poor					
Floor	Floor Tile 1	VAT and Mastic Adhesive			A	Y	800	(7)					SF	V0028	Presumed Asbestos	Non-Friable

PINCHIN ENVIRONMENTAL HMIS Hazardous Material Inventory System

Client: Canadian Coast Guard **Site:** Vessels

Building Number(s): 383326

Action Report for Action 7

Legend:

Action				Access		Condition		Sample Number	
(1)	Clean Up of ACM Debris	(2)	Precautions for Access Which may Disturb ACM Debris	A	Accessible to all building occupants	Good	No visible damage or deterioration.	S####	Sample collected
(3)	ACM removal	(4)	Precautions for Work Which may Disturb ACM in Poor Condition	B	Accessible to maintenance and operations staff without a ladder	Fair	Minor, repairable damage, cracking or deterioration.	V####	Material is visually identified to be identical to S###
(5)	Proactive ACM removal (Minimum repair required for fair condition)	(6)	ACM repair	C	Accessible to maintenance and operations staff with a ladder. Also rarely entered, locked areas	Poor	Irreparable damage or deterioration with exposed and missing material	V0000	Known non-asbestos material
(7)	Management program and surveillance			D	Not normally accessible or without demolition	NOTE: See report for full definitions of action, access and condition		V9000	Material is visually identified to contain asbestos
								V9500	Material is presumed to contain asbestos
NOTE: Actions in round brackets ( ) are auto-calculated. Actions in square brackets [ ] are manual								Note: Presumed various materials identified in the report are ACM if not sampled.	

Units SF - Square feet LF - Linear feet EA - Each % - Percentage

Date: 14/05/13 09:31:58