File / dossier : 6.01.07 Date: 2022-10-14 Edocs: 6892481

### **Oral presentation**

Written submission from Faye More

Exposé oral

Mémoire de Faye More

In the Matter of the

À l'égard de

**Canadian Nuclear Laboratories** 

Application to renew its waste nuclear substance licence for the Port Hope Project

Laboratoires Nucléaires Canadiens

Demande concernant le renouvellement du permis de déchets de substances nucléaires pour le projet de Port Hope

**Commission Public Hearing** 

Audience publique de la Commission

November 22, 2022

**22 novembre 2022** 



Filed on October 14, 2022

### Subject: Personal Intervention for CNL Port Hope Project Licensing Hearing

Hello Louise,

I am attaching documents which were sent before to you and formed a CMD in 2018 for a CNSC meeting.

I will be speaking to these documents, providing updated information on growing up in Port Hope, living with radioactive waste, having contamination removed from two of my former addresses and new information I have received demonstrating contamination throughout the community. New information is being reviewed and still arriving from my ATIP requests which may be relevant to my supplementary materials. This has made it difficult to complete the package by today as planned.

I will send supplementary material by November 9th including a letter to the Commissioners providing my recommendations and requests.

I hope this is sufficient for today's deadline for submitting my intentions which include presenting in person at the hearing as an individual.

Thank you for your assistance.

Faye More

Attachment CMD 18-M30.6

Canadian Nuclear

Commission canadienne Safety Commission de sûreté nucléaire

File/dossier: 6.02.04 Date : 2018-07-23 Edocs pdf: 5596713

### Written submission from **Faye More**

In the Matter of the

### Mémoire de **Faye More**

À l'égard de

**Canadian Nuclear Laboratories (CNL)** 

**Progress Update for CNL's Prototype** Waste Facilities, Whiteshell Laboratories and the Port Hope Area Initiative

Laboratoires Nucléaires Canadiens (LNC)

**Rapport d'étape sur les installations** prototypes de gestion des déchets, les Laboratoires de Whiteshell et l'Initiative dans la region de Port Hope des LNC

**Commission Meeting** 

Réunion de la Commission

August 22, 2018

Le 22 août 2018



Canadian Nuclear Safety Commissioners 280 Slater Street Ottawa, ON Dear Mr. Binder and Commissioners: July 23, 2018

# Re: Private Property Contamination in Port Hope and Concerns with AECL/CNL

I am writing to bring to your attention concerns I have regarding the management by CNL of issues related to my former property and to request a meeting to discuss these questions and concerns in detail. I hope to receive better answers than I have to date and hopefully changes to their policies.

If I am alone in raising these concerns, as Mr. Fishlock writes in one reply, I answer that it is only because people do not know the real contamination data about their own properties, frontages and roadways to which they are exposed every day that I know about mine as a result of my FOI request for both my property file and the survey results for municipal properties. From this latter request I received a PHAI gamma survey document dated 2001 which shed light on the extent of contamination in Port Hope, on my property and many others. Lack of questioning by other property owners would be a direct result of CNL's policy of lack of disclosure to homeowners of this municipal information to which I strongly object. CNL is well aware of my views from three meetings and correspondence attached.

Any medical professional worthy of the name would agree that this lack of disclosure and lack of cleanup put our family's health at risk for many years and others as well as you will see from the survey. While CNL states that they have no agreement with the municipality to keep this information from its citizens, CNL wrongly chooses to do so.

Does the municipality even know the extent of the contamination problem and how discoveries are being handled? Do you? You are ultimately responsible to know and to act in the public interest.

Attached are several documents which provide data and rationale for our concerns discussed through correspondence between our lawyer, myself and CNL regarding our personal residential property owned by my husband William and myself from 1991 to sale closing date of May 31, 2017. The property is located at 16 Ralston Drive in Port Hope.

This property was first tested in 1977 and required remediation to remove cabinets in the garage originating from Eldorado. No concerns were noted in the report at that time regarding the lawns although in retrospect clearly should have been. We moved to the house in 1991. I obtained the historical survey from AECL shortly after. The property was re-tested at my request in 1994 to ensure cabinets identified in 1977 had been removed as there was no follow-up shown in the property file.

As we recently discovered with a 2001 Gamma Survey of Municipal Roads and Frontages, obtained by me under FOI, we had raised three children in this home from 1991 and obviously travelling over, playing and maintaining the lawns and frontage for more than 25 years we were all exposed daily to elevated levels of gamma radiation and possibly other types of radiation from the soil beneath the lawn frontage, driveway and Ralston Drive roadway. Our youngest children, twins born in 1994, lost their fingernails and toenails within a week of each other. They had played in soil beside the driveway in

which no soil grew. Four doctors we consulted and never seen this before. New nails grew back in normal condition within a few months.

The March 2017 letter prepared by CNL for our upcoming sale process was based on the 1994 test results which surprisingly to us, had showed some exterior elevations on the side of the house but was considered safe by the authors pending further investigations when a cleanup happened in the future. Approximately four years ago I requested our full property file under FOI. No data from the 2001 municipal survey was included as it should have been.

It was shocking for us to see areas of our property were specifically identified by photograph and address in the 2001 document prepared by the Port Hope Area Initiative (attached) titled "Gamma Ray Spectrometer Survey, Port Hope – 2001.

The frontage of our property is photographed and it goes about one third of the way up our front lawn. (attached photo). The address is listed in the accompanying list of addresses (attached) as having gamma radiation readings more than 25 times background at ground level. There is a question noted as to possible reason – thorium high?? There is a volume estimate given for potential remediation of 45 cubic metres of soil from the frontage and 2000 square metres of roadway. However, these are only estimates pertaining to the municipal portion and do not include the rest of our lawn which clearly was impacted as well. The mystery of the elevated readings in 1994 solved. Not the fireplace.

Despite the three meetings with CNL referenced in the correspondence and showing them their own data, they refused to say that our home would need remediation in the future as the re-testing again which was to have been done after July 2016 had not been done; therefore, they did not have new results and would not consider us eligible for any compensation programs but we were free to try. They also would not be disclosing municipal data to possible buyers due to its "proprietary confidentiality" (in the attached correspondence).

But, despite the caution from Mr. Fishlock not to devalue our own property by what was considered to be unnecessary disclosure, we, along with our lawyer, came up with our own clauses to be given to all individuals before they made an offer (attached). This was provided to our real estate agent. We disclosed to possible buyers before an offer was made the fact of contamination and likely remediation in the future plus a planned watermain for Ralston Drive in a few months which would require digging up the frontage and roadway very soon (in fact it happened a few weeks after we sold). We had a legal and moral responsibility. While we had more than 50 visits through our home, we had only one offer which we accepted. The purchaser works for PHAI.

Key Concerns to be addressed:

- 1. Property files obtained under Freedom of Information do not contain all relevant information which impacts the property owner such as the municipal roads and frontages surveys which owners use every day. This must be changed.
- 2. Letters prepared by CNL based on private property files are inaccurate and incomplete. This must be changed and homeowners not suffer financial loss due to proper full disclosure.

- 3. Test results of the past should not be dismissed as ours were in discussions prior to the sale. These operations have cost taxpayers millions of dollars over many years only to be ignored because they aren't current? Test results must be acted upon and disclosed.
- 4. Home owners should be eligible for compensation programs more easily and not discouraged or results re-framed, re-packaged as uncertain when technical results are right in front of us. Why have to wait for new testing to be done for the appropriate labels? If anything, new testing will be worse due to the time passage and leaching etc. It looks a lot like cost savings on the backs of the residents while the CNL expands and expands with billions of dollars for some. Do you know how many people work for CNL Port Hope now?
- 5. The public health issues of all of these exposures are totally ignored or discounted based apparently on some strange non-medical assumptions. Only in Port Hope is elevated radiation exposure year after year explained away as acceptable in unbelievable, unscientific, glib assumptions. Not based on actual medical outcomes for people. Those we must have.
- 6. At no time, in all of these years, has there ever been any inquiry as to the health of our family. No health monitoring is taking place throughout this entire project let alone house by house therefore you have no idea of harm done. You cannot say there is none based on evidence. Health studies of the past indicate elevated rates of diseases know to be associated with radiation in our community. Continual human health monitoring must be done.
- 7. The information the Municipality received from CNL prior to the Ralston Drive watermain project did not indicate any concern from CNL with contamination they knew to be there or should have known. Perhaps there are too many staff now to keep it all straight?? There is clearly a lack of necessary disclosure to the municipality. It should not be left up to the town employees to stumble into problems and call in CNL when there is already knowledge of problems at CNL.
- 8. I asked for an organization chart for CNL at the Por Hope location to try to understand who is in charge of what and who I should speak with they did not have one to give me, said they don't give those out. I looked on line for the PH office as well as the national CNL and could find none. All of this should be available to the public upon request.
- 9. Please look at the municipal gamma survey (attached) on line and zoom in on all of the streets. Bear in mind this just shows Ward 1 issues and they are severe. Ward 2 also needs to be completely surveyed – look at the roads leading out of town to the north and west into Ward 2.
- 10. We have had to wait as a family since 1994 for a cleanup as it turns out, the town since 1975, 43 years since the news became public. The federal government knew about 10 years before that from Dr. Douglas Andrews who said to the government come and deal with this before it gets worse and people are sick. It got worse. So, in 53 years there has been leaching, spreading and the volume has increased many-fold to cleanup if done properly. The storage site is not big enough nor is the budget. But you must not sacrifice the town with a cleanup that leaves us with un-discovered, un-remediated locations, long-term health effects, too high criteria that leaves us above background or needing a license as a community! A full re-examination of how this project is being managed need to happen as soon as possible.

I would appreciate a meeting to discuss these matters and more as well as an opportunity to address the Commissioners on August 22, 2018 as I will be in attendance at the meeting in Ottawa.

Yours truly

#### Faye More

#### Attachments:

- 1. March 21, 2017 Letter from our lawyer Bruce Coleman to Robert Fishlock, CNL attachments include March 1, 2017 Radiological status assessment letter from Michael Owen, PHAI
- 2. March 27, 2017 Letter from Robert Fishlock, CNL to lawyer Bruce Coleman
- 3. June 6, 2017- Letter of reply from CNL Senior Counsel Robert Fishlock to Bruce Coleman
- 4. Gamma Ray Spectrometer Survey- Port Hope, 2001 (Ward 1)
- 5. 16 Ralston Drive gamma survey photos
- 6. Clauses developed by Mores with lawyer Bruce Coleman for prospective buyers.

### Attachment 1

March 21, 2017 - Letter from our lawyer Bruce Coleman to Robert Fishlock, CNL – attachments include March 1, 2017 Radiological status assessment letter from Michael Owen, PHAI

### BRUCE H. COLEMAN

BARRISTER & SOLICITOR

50 WALTON STREET PORT HOPE, ONTARIO LIA 1N1

TELEPHONE (905) 885-8146 FAX (905) 885-7471 Email bcoleman @eagle.ca

#### **DELIVERED BY FAX TO: 905-885-9344**

March 21, 2017

Historic Waste Program Management Office 115 Toronto Road Port Hope, Ontario L1A 3S4

Attention: Mr. Robert Fishlock, Senior Legal Counsel

Dear Mr.Fishlock:

Re: William and Faye More 16 Ralston Drive, Port Hope File No.: 13180-002

I am the solicitor for Faye and William More who wish to list their home property at 16 Ralston Drive, Port Hope for sale as soon as possible but are greatly concerned about radiation levels which could affect the sale or result in circumstances of liability thereafter.

#### Lack of Disclosure by AECL/CNL

Ms. More recently attended three meetings with Port Hope Area Initiative staff in an attempt to obtain clarity on the level of radioactive contamination on their property and along the street frontage. Ms. More received neither clarity nor any assurance of remedial measures.

Ms. More obtained (through Access to Information) her AECL/PHAI property file as well as a 2001 AECL Municipal Gamma Radiation Survey for the road allowances and streets in Ward 1 (part copy enclosed). Although on the street survey a high level of gamma radiation is shown on the frontage of her property, this information was not included in her AECL/PHAI property file or otherwise communicated to her family. (It should be noted that the legal frontage of this and neighbouring properties is several feet inside the front lawn.)

My clients have also received the attached "Radiological Status" letter from CNL dated March 1, 2017.

Consequently, Ms. More has asked me to pose to you the following questions:

- 1. As owners of 16 Ralston Drive, Port Hope, why were the Mores not informed of the results (specific to their address) of the Municipal Gamma Survey in 2001 or at any time after by your office?
- 2. Why is the Municipal Gamma Survey information not contained in the Mores' property file?
- 3. Is there an agreement with the municipality not to share this information with property owners? If so, please provide a copy.
- 4. Is there a written policy as to how this information is to be managed? If so, please provide a copy.
- 5. Which office is responsible for informing residents of elevated readings in their neighbourhood or on their property?

#### Property Re-Survey

Mrs. More gave permission July 2016 to PHAI for their property to be fully re-surveyed and indicated at that time that the property would be going up for sale soon. The indoor and outdoor re-testing has not yet occurred and as noted they wish to put their house up for sale immediately.

- 6. Why was this property at 16 Ralston Drive, Port hope, not identified for re-testing much earlier and on a priority basis due to the earlier findings both in the 2001 Municipal Survey and the property test results in 1994 where the author of the report deferred specific follow up testing to a later time despite higher readings?
- 7. Can this testing be expedited now that spring is almost here? Can at least the outdoor testing be conducted within the next two weeks?

#### Water Main Project

I am advised that the Municipality of Port Hope has notified the residents of 16 Ralston Drive that the roadway will be under construction during 2017 to install a new water main. This project is being done under the umbrella of the Construction Monitoring Program and treated as any other municipal project despite the fact that historic radioactive contamination has been identified in federal surveys on the frontages of 16 Ralston Drive and other residential properties.

Municipal staff advised at a public meeting called to review their water main plans that they are unaware of any radiation problems on Ralston Drive after sending these plans to the PHAI office for comment/approval to proceed and having received no response outlining contamination concerns.

8. Please explain why a known contaminated site is being allowed to undergo a municipal water main project without concurrent federal remediation? What process is being followed to protect public health?

The March 1, 2017 CNL Property letter to Mr. and Mrs. More refers to elevations of gamma radiation measured indoors and outdoors at the west side of their house in 1994. It makes no mention of the identified contamination on the frontage which has a high probability of being associated with the elevated west side readings. The location of a legal frontage boundary does not limit contamination to one side or the other of the boundary and remediation will be required on both sides of the line—and it would make sense to do it all at the same time.

- 9. Why is there no mention in the property letter of the municipal frontage data from 2001? Is it the CNL position that information in the Municipal Gamma Surveys are not the business of home owners, and if so, what is the legal basis for this position?
- 10. What can prospective buyers be told regarding the timeline for when remediation will be occurring at 16 Ralston Drive, property, frontage, and road area? How does the municipal water main project impact this timeline?
- 11. Is there any reason why 16 Ralston Drive should not be considered a Remediation Site and therefore be eligible for consideration in the Property Value Protection Program?

As it is imperative that my clients finalize their property listing forthwith, would you kindly provide your immediate response to this letter (ie: within one week).

Yours very truly,

Bruce H. Coleman BHC:sh Encl.



OFFICIAL USE ONLY

Faye More & William More 16 Ralston Drive Port Hope, Ontario L1A 2C1 LLRWMO-121250-000-6800 File 2185.R2.13 MJO-17-084 2017 March 1

#### 16 Ralston Drive, Port Hope, Ontario

It is the policy of the Low-Level Radioactive Waste Management Office (LLRWMO) to prepare radiological status summaries for the property owner, their lawyer or realtor upon written request.

Therefore, the LLRWMO is pleased to provide you with a radiological status assessment for this property.

#### Radon Gas Analysis

During the period of 1994 October 20 to November 11, E-PERM radon detectors were deployed in the basement and main floor in the home by the LLRWMO. The results of these radon gas analyses are within the range found in most buildings and below the Health Canada Guideline for indoor radon.

#### Interior Gamma Radiation Scan

On 1994 October 13, an interior gamma radiation survey was conducted in the home by the LLRWMO. The results of this gamma radiation scan are within the normal range of background radiation with the exception of several gamma radiation readings within the home, which were slightly above the normal range of background radiation. These gamma radiation readings that slightly exceed the normal range of background can be due to slight elevations in the natural radionuclide content of building materials and are common to brick, and other types of materials such as ceramics, granite and fieldstone.

#### Exterior Gamma Radiation Survey

On 1994 October 12, an exterior gamma radiation survey was conducted on the property by the LLRWMO. The results of this gamma radiation survey are within the normal range of background radiation with the exception of gamma radiation readings along the western perimeter of the property that are above the normal range of background radiation. The gamma radiation readings in these areas are significantly below the LLRWMO Prompt Interim Action Levels (PIALs). The LLRWMO uses PIALs to determine if interim remediation is required in the short-term to protect human health and the environment until such time as the Port Hope Property Radiological Survey completes site characterization, and, if required, final remediation of a property.

Historic Waste Program Management Office 115 Toronto Road Port Hope, Ontario Canada L1A 3S4 Tel. (905) 885-0291 Fax (905) 885-9344 The LLRWMO may be contacted to address any comments or questions that you may have in regards to this radiological status assessment, or to provide additional technical information.

For your reference, a brochure on the Construction Monitoring Program (CMP) is attached to this letter. In association with the CMP, the LLRWMO may be contacted for radiological monitoring services if exterior excavation or landscaping activities involving the movement of material on or off the property are carried out. These services, which include storage of historic low-level radioactive waste, are provided by the LLRWMO at no cost to the property owner.

The Port Hope Property Radiological Survey is currently underway as part of the Port Hope Area Initiative (PHAI). Properties in Port Hope will be evaluated using clean up criteria developed for the PHAI. If remedial work is required for this property, the work would be carried out as part of the PHAI, at no cost to the property owner.

If you require further information on the Port Hope Property Radiological Survey please contact the PHAI Management Office directly at 905-885-0291 for more information.

This letter is a report of the results of measurements or tests performed by the LLRWMO, and Canadian Nuclear Laboratories makes no representation or warranty regarding the current condition, radiological or otherwise, of the above property.

Sincerely,

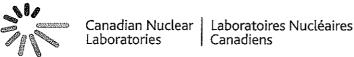
Michael J. Owen, BAA Senior Projects Specialist

MJO:sdp

Attach.



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#### OFFICIAL USE ONLY

Faye More & William More 16 Ralston Drive Port Hope, Ontario L1A 2C1

LLRWMO-121250-000-6800 File 2185.R2.13 MJO-17-084 2017 March 1

#### 16 Ralston Drive, Port Hope, Ontario

It is the policy of the Low-Level Radioactive Waste Management Office (LLRWMO) to prepare radiological status summaries for the property owner, their lawyer or realtor upon written request.

Therefore, the LLRWMO is pleased to provide you with a radiological status assessment for this property.

#### Radon Gas Analysis

During the period of 1994 October 20 to November 11, E-PERM radon detectors were deployed in the basement and main floor in the home by the LLRWMO. The results of these radon gas analyses are within the range found in most buildings and below the Health Canada Guideline for indoor radon.

#### Interior Gamma Radiation Scan

On 1994 October 13, an interior gamma radiation survey was conducted in the home by the LLRWMO. The results of this gamma radiation scan are within the normal range of background radiation with the exception of several gamma radiation readings within the home, which were slightly above the normal range of background radiation. These gamma radiation readings that slightly exceed the normal range of background can be due to slight elevations in the natural radionuclide content of building materials and are common to brick, and other types of materials such as ceramics, granite and fieldstone.

#### <sup>1</sup> Exterior Gamma Radiation Survey

On 1994 October 12, an exterior gamma radiation survey was conducted on the property by the LLRWMO. The results of this gamma radiation survey are within the normal range of background radiation with the exception of gamma radiation readings along the western perimeter of the property that are above the normal range of background radiation. The gamma radiation readings in these areas are significantly below the LLRWMO Prompt Interim Action Levels (PIALs). The LLRWMO uses PIALs to determine if interim remediation is required in the short-term to protect human health and the environment until such time as the Port Hope Property Radiological Survey completes site characterization, and, if required, final remediation of a property.

> Historic Waste Program Management Office 115 Toronto Road Port Hope, Ontario Canada L1A 3S4 Tel. (905) 885-0291 Fax (905) 885-9344

The LLRWMO may be contacted to address any comments or questions that you may have in regards to this radiological status assessment, or to provide additional technical information.

For your reference, a brochure on the Construction Monitoring Program (CMP) is attached to this letter. In association with the CMP, the LLRWMO may be contacted for radiological monitoring services if exterior excavation or landscaping activities involving the movement of material on or off the property are carried out. These services, which include storage of historic low-level radioactive waste, are provided by the LLRWMO at no cost to the property owner.

The Port Hope Property Radiological Survey is currently underway as part of the Port Hope Area Initiative (PHAI). Properties in Port Hope will be evaluated using clean up criteria developed for the PHAI. If remedial work is required for this property, the work would be carried out as part of the PHAI, at no cost to the property owner.

If you require further information on the Port Hope Property Radiological Survey please contact the PHAI Management Office directly at 905-885-0291 for more information.

This letter is a report of the results of measurements or tests performed by the LLRWMO, and Canadian Nuclear Laboratories makes no representation or warranty regarding the current condition, radiological or otherwise, of the above property.

Sincerely,

Michael J. Owen, BAA Senior Projects Specialist

MJO:sdp

Attach.

## Attachment 2

March 27, 2017 Letter from Robert Fishlock, CNL to lawyer Bruce Coleman



#### OFFICIAL USE ONLY / À USAGE EXCLUSIF

Delivered via email

2017 March 27

Bruce H. Coleman 50 Walton Street Port Hope ON L1A 1N1

Dear Mr. Coleman:

#### Re: William and Faye More – 16 Ralston Drive, Port Hope – File No.: 13180-002

Thank you for your 2017 March 21 letter.

I am afraid that I will not be able to respond to all of your questions before the end of the month. It may take a month or so, given competing priorities.

I will say that I am aware that a number of meetings have been held between Ms. Moore and our staff in an attempt to address her concerns. However, she does appear to fundamentally disagree with our policies and procedures. I also fail to see how these issues stand in the way of listing her property for sale. I am not aware that any other resident in Port Hope shares her particular concerns or would take steps to seemingly compromise the sale of their own property. Our offices regularly provide information on the PHAI project to interested buyers and their real estate agents. I trust that you will give her and her husband appropriate advice in that regard.

In light of the foregoing, please let me know if you still wish me to make the significant effort to answer your clients' various questions.

Yours very truly,

Robert Fishlock Senior Legal Counsel

Cc: Stephanie Clifford

Alex Mahabir

Jeff Faught

Canadian Nuclear Laboratories Historic Waste Program Management Office 115 Toronto Road Port Hope, Ontario Canada, L1A 3S4 Telephone: 905-885-0291 Fax: 905-885-9344 Laboratoires Nucléaires Canadiens Bureau de gestion du Programme des déchets historiques 115, rue Toronto Port Hope (Ontario) Canada, L1A 3S4 Téléphone: 905-885-0291 Télécopieur: 905-885-9344

## Attachment 3

June 6, 2017- Letter of reply from CNL Senior Counsel Robert Fishlock

to Bruce Coleman



#### OFFICIAL USE ONLY / À USAGE EXCLUSIF

Delivered via email to: <u>bcoleman@eagle.ca</u>

2017 June 6

Bruce H. Coleman 50 Walton Street Port Hope ON L1A 1N1

Dear Mr. Coleman:

#### Re: William and Faye More – 16 Ralston Drive, Port Hope – File No.: 13180-002

Further to my 2017 March 27 letter and your 2017 March 21 letter I provide the following reply to the issues or questions noted in your letter.

#### Alleged Lack of Disclosure by AECL

I understand that Ms. More did attend at least three meetings in or about the month of March of this year. I attended one on March 1. At the meeting that I attended our staff were very clear about CNL's and AECL's positions on the public disclosure of the presence of Low-Level Radioactive Waste (LLRW) in the community and the timing of its future remediation. As I indicated in my earlier letter Ms. More does not accept that position. She is aware, as you noted, that there exists a procedure for accessing government information and she has taken advantage of that process in the past with respect to the road allowance located in front of 16 Ralston Drive.

1. As owners of 16 Ralston Drive, Port Hope, why were the Mores not informed of the results (specific to their address) of the Municipal Gamma Survey in 2001 or at any time after by your office?

AECL's and CNL's policy with respect to this survey was to use it for internal purposes only as part of the then ongoing characterization of radiological conditions in municipal road allowances. The conditions identified concerned only the municipal owned road allowance and did not pose a health risk to adjacent property owners and therefore did not merit proactive disclosure to adjacent landowners. Such LLRW exceeding the applicable clean-up criteria will be removed as part of the PHAI cleanup between 2018 and 2021.

2. Why is the Municipal Gamma Survey information not contained in the More's property file?

The test results did not relate to the property conditions at 16 Ralston.

Canadian Nuclear Laboratories Historic Waste Program Management Office 115 Toronto Road Port Hope, Ontario Canada, L1A 3S4 Telephone: 905-885-0291 Fax: 905-885-9344 Laboratoires Nucléaires Canadiens Bureau de gestion du Programme des déchets historiques 115, rue Toronto Port Hope (Ontario) Canada, L1A 3S4 Téléphone: 905-885-0291 Télécopieur: 905-885-9344

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3. Is there an agreement with the municipality not to share this information with property owners? If so, please provide a copy.

No, there is no such agreement.

4. Is there a written policy as to how this information is to be managed? If so, please provide a copy.

There is no written policy, but the long established practice of AECL and CNL is for LLRW test results to be stored in property specific files. Members of the public are entitled to request any information maintained by CNL through the federal *Access To Information Act.* 

5. Which office is responsible for informing residents of elevated readings in their neighbourhood or on their property?

The Historic Waste Program (HWP) Management Office located at 115 Toronto Road, which is operated by CNL, has consolidated the management of the programs administered by the LLRW Management Office, previously located at 196 Toronto Road, with those of the Port Hope Area Initiative (PHAI), effective in November 2016. Property owners who participate in CNL's Construction Monitoring Program are notified of the presence of LLRW upon detection by CNL's construction monitoring staff. That information is then added to the individual property files managed by CNL.

CNL also notifies property owners of the results of the PHAI property radiological survey results referred to in the answer to Question 6, after they are completed. That information is also added to the individual property files managed by CNL.

CNL does not notify residents of LLRW present on neighbouring properties or municipal road allowances. The LLRW known to be present throughout the community does not pose a health risk to residents.

6. Why was this property at 16 Ralston Drive, Port Hope, not identified for re-testing much earlier and on a priority basis due to the earlier findings both in the Municipal Survey and the property test results in 1994 where the author of the report deferred specific follow up testing to a later time despite higher readings?

There are many residential properties located adjacent to known LLRW areas in Port Hope. All Port Hope residential properties are being tested as part of the PHAI in a sequence of campaigns that involve radon gas testing, soil testing and additional LLRW delineation, where relevant (Property Radiological Survey). These campaigns started in 2012 after AECL (at the time) received an amendment to its licence from the Canadian Nuclear Safety Commission that allowed it to proceed with such work (part of what is known as Phase II of the PHAI). The test results you refer to did not warrant expediting testing at 16 Ralston Drive. Residential property testing for LLRW is continuing and should be completed in 2019.

7. Can this testing be expedited now that spring is almost here? Can at least the outdoor testing be conducted within the next two weeks?

No, for the reasons stated in the answer to question 6.

8. Please explain why a known contaminated site is being allowed to undergo a municipal water main project without concurrent federal remediation? What process is being followed to protect public health?

As explained to Ms. More on March 1, the municipal water main work planned for the summer of 2017 on Ralston Drive will be conducted under the supervision of CNL's Construction Monitoring Program. LLRW present within the construction footprint will be identified and removed to an interim waste storage site pending final placement at the Port Hope Long-Term Waste Management Facility that is currently under construction. Municipal work crews are familiar with the safe excavation and transportation of LLRW.

9. Why is there no mention in the property letter of the municipal frontage data from 2001? Is it the CNL position that information in the Municipal Gamma Surveys are not the business of home owners, and if so, what is the legal basis for this position?

See the answer to questions 1 and 2. Radiological Status Letters refer only to the conditions present on the individual subject property.

# 10. What can prospective buyers be told regarding the timeline for when remediation will be occurring at 16 Ralston Drive, property, frontage, and road area? How does the municipal water main project impact this timeline?

On March 1 Ms. More was told to refer prospective buyers to CNL public information staff located at 115 Toronto Road to answer such questions. It is expected that PHAI municipal road allowance remedial work will start in 2020 and be completed by the end of 2021. Specific start and completion dates are not known at this time, but nearby home owners will be advised in advance. The MPH water main project is slated for the summer of 2017 and it will not affect the timing of the PHAI cleanup of the roadway.

# **11.** Is there any reason why 16 Ralston Drive should not be considered a remediation Site and therefore be eligible for consideration in the Property Protection Program?

As was discussed in Ms. More's meeting with PVP staff, she, like all other owners in the PVP zone, is eligible to file a PVP claim if she feels she suffered a project-related loss on sale. Under the PVP Program there are two routes for processing a claim, the Standard Route and the Simplified Route.

Regarding properties involved in the Property Radiological Survey, until such time that a property receives written notification from CNL outlining the need for remedial work, (a fact that may need to be disclosed to a purchaser), prospective buyers should have no project-related reason to offer less for the property. Without such written notification, CNL deems a property not to have a direct project effect. As a result the Simplified Route would not be available. With testing not completed at the subject property, any claim to be made to the PVP Program relating to a recent sale would need to be made following the requirements for a Standard Route claim (including the provision of evidence that the PHAI project adversely affected the sale price).

#### OFFICIAL USE ONLY / À USAGE EXCLUSIF

I trust that these answers adequately answer your questions.

Yours very truly,

Robert Fishløck Senior Legal Counsel

Cc: Faye More

Stephanie Clifford

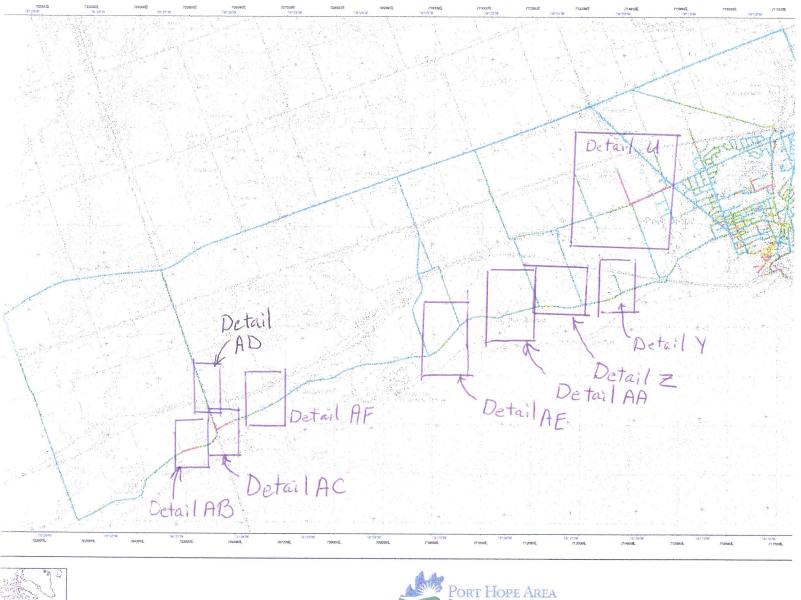
Jeff Faught

Alex Mahabir

John Benson

## Attachment 4

Gamma Ray Spectrometer Survey- Port Hope, 2001 (Ward 1)





MINTS Jarman Jaco



Gamma Bob



Gamma Ray Spectrometer Survey Port Hope, Ontario - 2001

Equivalent Uranium (ppm) Downward-Looking Detectors

Scale 1:25 000





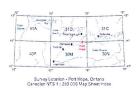
# Gamma Ray Spectrometer Survey

Port Hope, Ontario - 2001

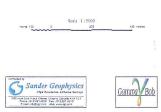
# Equivalent Uranium (ppm) Downward-Looking Detectors







GPS Received Burvey Veh Dame of Dr Resolvane Spectrame Grid Cell 3 Datum . .



Port Hope Roads Survey 2002 May to July Location		Garmin East North	Digital Map East North	Lend	gth Width A	Area Depth	Anomaly Volume 1m	Contact SF Total K		) Results	1	Th Th	ppmU/3.0 Ra226	3 Soil Photo	Roads - MJG.xls	
	Det Desc. A Old Cavan at Optimists Park A Old Cavan along east side	UTM UTM 716952 4872116		e (m) y-15	(m) (	m2) (m) 81 0. 200 0.	volume         1m           (m3)         uR/h           5         40.5         100           5         100         100	uR/h         No.         ppm         %           370         3         776.4         6.           10 to 25         5         5         5	Ba/ka		3q/kg 7139.535	ppm Bq//kg 30.3 123.0	pCi/g 18 190 0 0	Samples Taken 8 Yes	Comments Contaminated deposit extends onto baseball diamond Contaminated strip along east side of road	Old Cavan St. (Optimists' Park) 326 Cavan Street
2 2a 2b	A Choate under 401 A Choate north of 401 1st 100m A Choate north of 401 next 1000m	716916 4872018	May 716660 4872062 May 715964 4872261 May	y-15 y-16	50 20 100 20	1000 2000 1000	0 0 15	80 1 x x 5 to 7 5 to 7	0	x	C	x	0 0	.0 Yes .0 Yes	Geometry and large area of fieldstone 10-20 uR/h Yellow attributed to geometry & Fieldstones Green & yellow attributed to geometry & Fieldstones	
3 4 5	B Zircatec Frontage on Hwy 2 B Dorset East @ Cameco Storage C 106 Dorset East boulevard	717839 4870032	718722 4870375 May 718180 4870167 May May	y-16	100 20	2000 2000 56 0.	0 0 0 0 8 to 50 5 28 24	6 to 8 7 to 48 60 9 99 1.	0 0 5 469.5	75.7	0 0 934.895	6.5 26.	0 0 0 0 39 25	.0 Yes .0 Yes	Source not found, Truck moved? Shine from storage buildings Contaminated soils along length of boulevard	106 Dorset St East
5a 6 6a	C 106 Dorset East nearby D Alfred (drive of 195 Hope N) D Alfred/Oxford nearby	717242 4871484	717840 4870029 May May 717224 4871488 May	y-17	11 2.5	3000 27.5 0. 1000	0 0 5 13.75 80 0 0	4 to 8 220 4 423.4 4. 5 to 8	0 4 1377.2 0	299.7	0 3701.295 0	12.7 51.5	0 0	.0 Yes .9 Yes	No additional in immediate area Contaminated deposit in ditch and older driveway None found	195 Hope St North
10 11 12	NA End of Clifton Road L Lane N of Sullivan L Drive btwn Little Hope & Bramley	716118 4869823	715042 4870224 Ju	ul-04 n-24	30 20 47 4	600 188 0. 100	0 0 3 56.4 10 0 0 5	4 to 6 45 67 50.2 6	0 1 313 0	35.5	438.425 0	7.6 30.8	0 0 56 11 0 0	.0 No .7 Yes	None found Cinders near surface in lane Removed during CMP	58, 60 Sullivan, 11, 15 Victoria S
13 13a	L Lane btwn Little Hope & Bramley	716231 4869931	716287 4869929 Jun		12 4 85 4	48 0. 340 0.	3 14.4 10 3 102	20 69 31.5 0. 9 to 11	9 281.7	18.6	229.71	4.6 18.6	76 6 0 0		Graded and Re-surfaced Graded and Re-surfaced	7, 15 Bramley S 269, 271, 273, 275 Ridout, 10 Little Hope, English Town Common
14 14a	L Lane btwn Strachan & Sullivan L Lane btwn Strachan & Sullivan	716208 4869754	Jun 716203 4869785 Jun		10 4 80 4	40 0. 320 0.	3 12 9 3 96	17 26.5 6 to 9	1 313	15.3	188.955 C		0 0	.0 Yes	Cinders near surface in lane To be determined by sampling	108, 110 Strachan, 49, 51 Sullivaan, 28, 30, 32, 34 Bramley S Do we need these?
15 16 16a	L 54 & 60 Sherbourne Street L Lane betwn 96 & 98 Sherbourne L Northern part of Lane (16)	717326 4870715 716280 4859618	Jun Jun 716248 4869694 Jun	n-21 n-21		40 0. 96 0. 120 0.	5 48 7 3 36	160         60         139.6           12         63         21.6         1.           6 to 8	0	103.9	1283.165 91.39 0	10.3 41.8	18 2 0 0	4 Yes .0 Yes	In driveway extending under road Cinders near surface in lane To be determined by sampling	54, 60 Sherbourne 96, 98 Sherbourne Do we need these?
18 19a 19	D Boulevard from 1 to 7 Brunswick D Brunswick area D Alfred (drive of 16 Brunswick)	717361 4871580 717367 4871628	May 717295 4871590 May May	y-17 y-17	3 3	165 0. 4000 9 0.	5 82.5 10 0 0 5 4.5 6	22 5 32.3 1. 4 to 7 8 6 13.6 0.	1 344.3 0 8 250.4	21.1 6.3	260.585 0 77.805		0 0 04 2	.0 No .1 Yes	Low levels in boulevard, south side. None found Sheilded, through the asphalt, JFM	1, 3, 5, 7 Brunswick Ave 16 Brunswick
19a 20 20a	D Alfred area D Driveway 51 Molson D Molson area	717107 4871830	717230 4871526 May May 717113 4871828 May	y-17 y-17	5 4 50 10	1000 20 0. 500	0 0 5 10 10 0 0	4 to 7 32 7 48 0. 4 to 7	0	33.2	0 410.02 0		0 0	0 Yes .0 No	None found Sheilded, through the asphalt None found	51 Molson
21 21a 22 (	E Ditch in front of 161 Hope N E Hope N area C Spot at 103 Deblaquire	717261 4871330 717953 4870317	May 717269 4871312 May May	y-17 y-22	1 1	2000 1 0.		26 8 42.4 1. 4 to 7 10 28.4 1.	0	29.1	359.385 0 212.42		0 0 46 5	0 No 7 Yes	Along ditch None found In boulevard, spotty areas	161 Hope St North 103 Deblaquire St
23 ( 23a ( 24 (	C Area at 111 Elgin S Elgin S area C 69 Elgin S, McCaul Driveway	717830 4870180 716840 4870179	May 717850 4870187 May May	y-22 y-22	4 4 60 20 5 3	16 1200 15 0.	1 16 9 0 0 5 7.5 10	23 11 60.2 5 to 7 50 12 66.7 1.		41	506.35 C 576.745		0 0	0 No 4 Yes	In driveway None found In driveway	111 Elgin St South 69 Elgin St South
25 0 25a 0 26 0	C 72 Princess, ditch Princess, south of William Near 88 King St	717608 4870109 717442 4869801	May 717593 4870158 May May	y-22 y-22	12 4		5 2 8 0 0 5 24 9	19 13 33 1. 5 to 6 25 14 38.9	5 469.5 0 1 313	18.4 27.7	227.24 0 342.095		0 0	.0 No .1 Yes	In ditch Not found Along top bank of west side of road	72 Princess St 88, 92 King St
26a 0 26b 0 27 6	C King, Peter to Dorset E C Infront of 88 and 92 King Bob's Lane	717409 4870577	717449 4869785 May 717437 4869730 May May	y-22 y-23	30 2 85 7	3000 60 0. 595	0 0 5 30 1 595 12	5 to 7 7 to 10 23 15 40.1 0.		25.6	0 0 316.16	4 16.		0 Yes 4 Yes	See Young-Bob cleanup file for depths at road	88, 92 King St 51 Young St, 68, 74 Harcourt St
28 8 28a 8 28b 8	Margaret St (132/134 Ontario rear) Margaret St (130 Ontario rear) Balance of Margaret St	717219 4870798	May 717214 4870788 May 717129 4870694 May	y-23 y-23	10 3 5 3 200 10	30 0. 15 0. 2000	5 15 20 5 7.5 11 0 0	80 16 147.4 1. 34 5 to 7	4 438.2 0	113.9	1406.665 0		0 0	0 Yes .0 No	South side of Margaret extending beyond fence South side of Margaret extending beyond fence Not found	132,134 Ontario St 130 Ontario St
28c E 29 E 30 E	Front of 42 Margaret 102 Elgin St N 119 Elgin (Croft St side)	717456 4871180 717483 4871220	717209 4870803 May May May	y-23 y-23	2 2 38 4 25 2	4 0. 152 0. 50 0.	5 2 5 5 76 23 5 25 23	7         140         17         220.2         1.           110         18         150.3         1.	5 469.5	179.6 122.8	2218.06 1516.58		96 40	.3 Yes .5 Yes	Through asphalt Full boulevard, extends onto property Narrow strip at fence, extends onto property	42 Margaret 102 Elgin St North 119 Elgin St North
31 F	Barret's Terrace (74 Ontario) Jocelyn, west of Cavan Hodgson and Ravine Dr	717144 4870407	May 716675 4871667 May 717478 4871518 May	y-17 y-17	60 10 40 10		5 60 7 0 0 0 0	24 19 24.8 1. 5 to 6 5 to 7 1	1 344.3 0	18	222.3 0	5.5 22.3	0 0	.0 No .0 No	Narrow strip under asphalt at south edge of road Geometry Not found	84 Ontario St
34 // 35 // 36	Lyall Place     Centennial and Crossley     D Hwys 28 & 401		716634 4871564 May 716283 4871580 May 717539 4872270 May	y-21 y-21	20 10 60 10	300 200 600	0 0 0	4 to 6 4 to 6 4 to 6	0		0		0 0 0 0 0 0	0 No .0 No	Not found Not found Not found	
37 38 39	D Ontario btwn Molson & Phillips D Wellington S of Hospital D 3 Orchard (MacLaren spot)		717454 4781896 May 717523 4871562 May 717366 4871664 May	y-21 y-21	100 20 10 10	1000 2000 100	0 0 0 0 0 0	4 to 6 4 to 6 4 to 6	0		0 0 0		0 0 0 0 0 0	0 No 0 No	Not found Not found Driveway replaced over contaminated area	
40 41 42	D 243 Hope N (MacLaren spot) D Laneway off Hope N D Bennett Court		717121 4871732 May 717110 4871633 May 717121 4871590 May	y-21 y-21	30 10 50 20	100 300 1000	0 0 0 0 0 0	5 to 6 5 to 6 4 to 6	0		0 0 0		0 0 0 0 0 0	.0 No .0 No	Driveway replaced over contaminated area Geometry Not found	
43 43a 44 (	E Right of Way at 158 Hope N E 158 Hope N area C Spots at 104 Debequire	717935 4870303	717272 4871257 May 717275 4871263 May May	y-17 y-22	1 1	300 1 0.	0 0 5 0.5 9	15 5 to 6 19	0		0		0 0 0 0 0 0	0 No 0 Yes	Spotty contamination at driveway and power pole Not Found Spotty contamination on both sides of	158 Hope St North 104 Deblaquire
45 0 46 0 47 0	C Spots at 79 Francis (Deblq side) C Spots at 122 Deblaquire Dorset East Laneway	717911 4870314 717982 4870187	718082 4870206 May	y-22 y-22			5 0.5 8 5 0.5 8 0 0 6 to 18	12 12 8 to 18	0		0 0 0		0 0 0 0 0 0	.0 Yes .0 Yes	street. Potentially under the road. Needs a full workup. Shine from Cameoo Storage buildings.	79 Francis St 122 Deblaquire
48 0 49 0 50 0 51 0	Elgin S and McCaul     William, King to Princess     Spot at Peter and King     Young Street east end		717737 4870485 May 717456 4870144 May 717489 4869694 May	y-22 y-22	150 20 50 20	1000 3000 1000 2000		5 to 7 5 to 8 5 to 7 5 to 7	0		0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 No 0 No	At Agricultural Park Brick buildings close to road Not Found, Class 7 DG? Not Found	
52 0 53 0	Young Street, east end     Young Street, west end     King St btwn William & Dorset E     Hone S south of McCaul		May May May May	y-23 y-22	50 20 50 20	2000 1000 1000 300		5 to 7 5 to 7 5 to 7 5 to 7	0		0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 No .0 No	Not Found Not Found Not Found	
54 0 55 0 56 6 57 6	Hope S south of McCaul     McCaul St btwn Hope & Elgin     Ellen Street west of Ontario     Caroline St at west end		May May May May	y-22 y-23	50 20 60 20	300 1000 1200 2000		5 to 7 5 to 7 5 to 7 5 to 7 5 to 7	0		0 0 0		0 0 0 0 0 0 0 0	.0 No .0 No	Not Found Not Found Not Found Not Found	
57 E 58 E 59 E 60 E	Ellen St. east of Ontario Elgin and Croft Intersection Elgin south of Croft		May May May May	y-23 y-23	60 20 80 20	1200 1200 1600		5 to 7 5 to 7 5 to 7 5 to 7	0		0		0 0	.0 No .0 No	Not Found No more found Not found	
61 E	Barret St east of bridge Barret St east of bridge		May May May May	y-23 y-23	30 20 100 20	600 2000		5 to 7 5 to 8 5 to 8	0		0		0 0 0 0 0 0	0 No .0 No	JFM spot not found. Rutter Granite spoils on south side New recycled asphalt over cinderss	
64 65 66 66 66 66 66 66 66 66 66 66 66 66	3 Tim Horton's road allowance 3 Chapple at TCS		718219 4869933 May 717872 4870868 May 717990 4870959 May	y-16 y-16	30 20 50 20		0 0 0	5 to 7 5 to 6 5 to 6	0		0		0 0	0 No .0 No	Buried granite boulder in road 10 uR/h Brick buildings close to road	
67 E	Sloped Bank at TCS     Farm field, Boundary Road     Laneway off Harcourt     Armour Street	717143 4870414	719058 4871199 May	y-16 n-05	50 20 25 5	1000 1000 125 0. 1800	0 0 0 0 5 62.5 14	5 to 7	9 281.7	52.4	647.14		0 0 0 0 57 17 0 0	.0 No .3 Yes	Brick buildings and steep slope Not found Full area of lane, extends into yards Brick houses close to street	57 Mill, 61 Mill 63 Mill, 10 Harcourt
70 E 70a E	3 Lake St. at river 3 Lake St. at STP TSS		719329 4870200 Jun 719329 4870076 Jun 719101 4870127 Jun	n-05	50 20	1000 2000	0 0 0 0 0 0	5 to 7 5 to 7	0		0		0 0	.0 No	Gravel road Gravel road	
71 F	Hope St S at Lake St. (west) Haskill St (gravel lane)	717887 4869631	Jun 717789 4869611 Jun 717688 4869615 Jun		90 3 90 20 110 20	270 0. 1800	5 135 10 0 0 3 660 9	25 21 34.8 5 to 10 15 22 24.9 1.	1 313 0 1 344.3	20.9	258.115 0 174.135		0 0	.0 No	Length of west blvd., houses all gone. Undeveloped road.	Owned by Esco used to be 184, 200 Hope St South
74 (	Caldwell St     Caldwell St     Caldwell St     Caldwell St     Lane from Caldwell to Shuter	717515 4869425 717517 4869429 717515 4869429 717515 4869425	Jun Jun	n-06 n-06		2200 0. 3000 0. 900 0. 600 0.	3 900 9 5 450 28	15         22         24.9         1.           13         24         17.5         0.           150         23         217         1.           10 to 20         17.5         0.	9 281.7 4 438.2	14.1 8.7 172.2 8.7		4 16. 6 24.	24 2 36 56	.9 Yes .8 Yes	Undeveloped road, isolated spots throughout Paved road Gravel turning area, former "fill" area, could be deep Same as 74	9, 12, 14, 16, 20 Caldwell St
76 0 77a 0 77b 0	Solution of the second se	717360 4869527 717348 4869526	717409 4869550 Jun Jun	n-06 n-06		1200 2 0. 900 0.	0 0 5 1 9	6 to 10 120 10 10 10 10 10 10 10 10 10 1	2 375.6		1537.575		0 0	0 Yes .1 Yes	Road well covered with re-cycled asphalt Local spot in ditch. Area beneath lot known to be contaminated	
	Oliver's Lander, Dorset E     Oliver's Lander, Dorset E	717380 4869381	717385 4869838 Jun Jun	n-06 n-07	220 20 80 20	4400 0. 1600 800 0.	5 2200 22 0 0	75 26 89.8 0. 4 to 8 5 to 40	2 62.6 0	73.9	912.665 0	2 8.	12 24	4 Yes .0 No	Full area of road, extends into yards, Spotty deposits Road and Ladder Numerous very localized spots	85, 91, FFM 95,111, 119, 125 Mill St South
80a 0 81 0	Coliver's "pocket"     Madison Street     King S btwn Madison & Caldwell	717399 4879799 717399 4879799 717418 4869318 717457 4869355	Jun 717430 4869300 Jun	n-07 n-07	25 4 70 20		5 50 42 3 420 18	3 10 40         20         27         187.8         2.           20         28         25.6         34         29         39.6	9 907.7 1 313 1 313	121.9 15.4 27.7	1505.465 190.19 342.095	5 20	45 40 .3 5	2 Yes 1 Yes	Strip of obvious contamination along west side CMP's observed materials below street Anomalies on both sides of street full length	14 Madison St 149, 153, 157, 158, 160, 168 King St S
83 0	King S btwn Maaison a Caldwoll     King S btwn Caldwell & Shuter     King S btwn Shuter & Peter	717469 4869458	Jun 717451 4869620 Jun	n-07	140 20	2800 0. 2000	3 840 15 0 0	28 30 36	1 313	23.1	285.285			.6 Yes	Anomalies on both sides of street full length Area re-constructed	123, 126, 128, 132, 127, 131, 135, 139, 145 King St S
85 ( 86 H	Mill St S, Peter to lane     Marsh St, Beach to Choate     Marsh St, Choate to Eldorado	716797 4869046 716962 4869177	717362 4869606 Jun 716797 4896047 Jun	n-07 n-11	100 20 140 20	2000 2800 2800	0 0 1 2800 19 0 0 30-100	5 to 8 30 31 41 1. 30-70	0 3 406.9	26.8	0 330.98	4.2 17.0	0 0	0 No 8 Yes	Area re-constructed Anomalies on both sides of section full length Shine from Cameco	Wm. Oliver Excavating
87a H	Marsh St, South Side     Eldorado Place     Choate & Hayward to John	716962 4869177		n-11	70 5 260 20	350 0. 5200 6800	3 105 40 0 0 12 to 30	40 32 21.8 1. 10 to 20 12 to 40	1 344.3	11.5	142.025 0	4.6 18.6	0 0 0 0	.8 Yes .0 Yes	Too much shine! Area reconstructed Too much shine! Area reconstructed Too much shine! Area reconstructed	Cameco, Port Hope WaterWorks
90 I 91 I 92 .	Hayward St, John to Queen Queen St, Hayward to Robertson Alexander St, Ravine to Hayward	717097 4869441 717250 4869540 716688 4869182	Jun Jun	n-11	240 20 70 8	4800 0.	5 2400 10to75 1 560 19 3 1140 18	8to220 33 399.8 2. 46 34 56.9 0. 80 35 107	2 688.6 9 281.7 1 313	311.4 41.2 82	3845.79 508.82 1012.7	11.9 48.3 4.1 16.6 5.6 22.7	14 102 46 13	8 Yes 6 Yes	Full area of road, extends viaducts, Spotty deposits Extends under road partially. Air Deposition and waste haul route	Port Hope Yacht Club, CN/CP, Cameco 90 Queen st. 70, 68, 64,60,58,54,50, 40 Alexander Street
93 94 95	Alexander St, Navine to Trayward Alexander St, Hayward to Pointer Alexander St, Pointer to Smith	716524 4869199	716790 4869299 Jun 716861 4869388 Jun	n-13	200 10 142 20	2000 0. 2840 0. 1800 0.	3 600 15 3 852 3 540	50 36 36.8 1. 8to13 8to15		22.1	272.935	2.9 11.7		3 Yes 0 Yes	Air Deposition and waste haul route Air Deposition and waste haul route Air Deposition and waste haul route	35, 39 Hayward St. 14, 15, 18, 26, 28, 30,32 Alexander St 6, 8 Alexander St
95a   96   97	Smith Street Crossing     Pointer St     Catherine Street at Harris	716872 4869334 716809 4869349 716820 4869417	Jun	n-20 n-13	5 5	25 300 0.	1 25 360 3 90 10 1 30 50	2100         61         11018         376.           15         37         19         1.           260         38         454         4.	4 438.2	4687.1 7.4 319	57885.685 91.39 3939.65	5.2 21.1	16 1546 12 2	9 Yes 4 Yes	Spill on edge of former sidewalk Air Deposition Under asphalt road	CN/CP 48 Catherine St 40 Smith
97a 97b 98	Catherine west side Catherine at Percy Harris St west of Hay	716675 4869408	716809 4869417 Jun 716806 4869523 Jun Jun	n-13 n-13	10 2 10 3	20 0. 30 0. 375 0.	3 6 8 5 15 25 5 187.5 8	12 380 11 39 15.4 0.	0	7.6	0 0 93.86		0 0	0 Yes 0 Yes	Deposition in ditch On shoulder and into road On shoulder and under road (thru road)	22 Harris 97 Dorset W 33 and 34 Harris
99 100 101	Harris St Hay to Catherine     Harris St Catherine to Smith     Hay and Elizabeth Streets	716700 4869399 716851 4869407	Jun Jun 717689 4869433 Jun	n-17 n-17	110 5 45 15	550 0. 675 0. 2550	3 165 11 5 337.5 10 0 0	25 41 40.5 30 43 20.7 0. 4 to 8	1 313	27.3 9.4	337.155 116.09	4.7 19.0	32 9	0 Yes .1 Yes	Mostly deposition on shoulders Through asphalt and on shoulders Street reconstructed	31,29,27,25, 21, 19 Harris, 21 Elizabeth 40 Smith, 6 Alexander
101a H	Hay Street     Smith St Alexander to Percy	717689 4869433 716864 4869449	Jun	n-17	5 1 90 3	5 0. 270 0.	3 1.5 7 3 81 15	15 40 36 1. 40 42 63.3 0.		20.5 49.1	253.175	3.8 15.4 4.7 19.0	28 6	.8 Yes	Around old cedars, Area filled and reconstructed West boulevard, East side lower and paved portions	34 Harris West side 40, 38,36, 34, 30, 28, 26, 24, East side 35, 33, 31, 29, 27, 21 Smith
103 H 103a H	Smith St Percy to Dorset W Smith west side at Park Lane off Smith	716864 4869575 716864 4869575	Jun Jun 716891 4869581 Jun	n-17	30 3	2000 90 0. 150 0.	0 0 3 27 15	5 to 9 50 44 83.5 60	0 1 313 0	65.7	0 811.395 0	3.9 15.8	0 0	0 Yes 7 Yes	In area of removed contaminated sidewalk Lane not named, Behind Dorset and Park homes	89 Dorset W Dorset W townhouses and 14, 16, 18 Park
105 H 106 H	Lane off Park St     Park Street, Smith to John     Park Street, at Smith	716882 4869543	716909 4869573 Jun 716939 4869561 Jun Jun	n-17 n-17	20 4 115 15	80 0. 1725 20 0.	3 24 16 0 0 5 10 7	160 6 to 9 17 45 24 1.	0 0 2 375.6	12.9	0 0 159.315	4.2 17.0	0 0	0 Yes 0 Yes	Lane not named, north from Park Contamination at west end Extends under hedge	12, 14 Park 21 Park St
108 H 109 H 109a H	C Lower John St Dorset West, John to Smith Driveway at 67-69 Dorset W	717022 4869427	Jun 716941 4869654 Jun 716941 4969641 Jun	n-17 n-18	105 20	2100 3560 9 0.	0 0 0 0 5 5 4.5 7	6 to 8 6 80	0		C C C		0 0 0 0 0 0	.0 No .0 No	Recently Reconstructed, TSS on east side See next Under asphalt driveway	67, 69 Dorset W
109b H 110 H 111 H	Boul. from 73 to 83 Dorset W     Dorset W, Smith to Catherine     98 Dorset W	716890 4869611 716847 4869622 716775 4869590	Jun Jun Jun	n-18 n-18	40 4 1 1 15 5	160 0. 1 0. 75 0.	5 80 10 3 0.3 7 3 22.5 18	55         46         85.7         1.           15         47         18.5         1.           100         48         139.4         1.	1 344.3	64.5 9.2 110.9	796.575 113.62 1369.615	4.7 19.0 3.1 12.5 5.3 21.5	36 3	.3 Yes	Over boulevard, south side On boulevard On boulevard	71, 73, 75, 77, 79, 81, 83 Dorset W 84 Dorset W 98 Dorset W
112 H 113 H 114 H	100 Dorset W     108 Dorset W     108 Dorset W     110 Dorset W	716749 4869590 716742 4869580 716705 4869558	Jun Jun Jun	n-18	17 5 24 5 22 5	85 0. 120 0. 110 0.	3 25.5 9	17         49         26.8         1.           25         50         38.9         1.           26         51         41.5         1.	1 344.3 4 438.2	16.5 24.7 28.2	203.775 305.045 348.27	3 12. 5.7 23.1 3.6 14.6	18 5 42 8	4 Yes 2 Yes	On boulevard On boulevard On boulevard	100 Dorset W 108 Dorset W 110 Dorset W
115 H 116 H	120 Dorset W     138 Dorset W, East half     On road across from 138 Dorset	716682 4869550 716670 4869540 716662 4869548	Jun Jun Jun	n-18 n-18	21 3 30 4 10 3	63 0. 120 0. 30 0.		23 52 31.2 1. 24 53 33.6 7 54 10 0.	1 344.3 1 313	20 22.3 3.2	247 275.405 39.52	3.5 14. 3.9 15.8 2.1 8.5	21 6 34 7	.6 Yes .4 Yes	On boulevard On boulevard In road bed, could be deep!	120 Dorset W 138 Dorset W
118 H 119 H 120 L	175 Dorset across from 166     In road at 138 & 150 Driveways     Dorset/Bramley Power Pole	716556 4869466 716634 4869524 716428 4869467	Jun Jun Jun	n-19 n-19 n-19	2 1 20 2 1 1	2 0. 40 0. 1	3 0.6 7 5 20 5 1 1 150	40         55         72.2         0.           18         56         27.1         0.           1250         57         3936.3         92.	9 281.7 8 250.4	56.2 17.6	694.07 217.36 28060.435	3.7 15.0 2.7 10.9	22 18 52 5	5 Yes 8 Yes	On shoulder In road bed, could be deep! Edge of bank, could be deep	175 Dorset W 150 and 138 Dorset W 175 Dorset W
121 L 122 F 123 F	Durham Street Highland Drive E of High School Highland Drive E of High School	716169 4870690	716451 4869588 Jun Jun 7161184 4870719 Jun	n-19		4000 125 200	0 0 1 125 11 0 0 6	4 to 6 16 58 19.5 1. 7	0	9.7	0 119.795 0	3 12.	0 0	0 No 2 Yes	Nothing found! Edge of bank, could be deep Nothing found! PI patch?	Unknown
124 F 125 F 126 L	R Highland Drive E of High School Lane off Pine Street South Bramley btwn Sullivan & Strachan	716352 4870688	716860 4869677 Jun 716266 4869809 Jun	n-21 n-24	49 5 100 20	450 245 2000	1 450 15 0 0 0 0	30 59 37.2 1. 5 to 7 5 to 9	2 375.6 0	23.9	295.165 C	3 12.	0 0	.0 No .0 Yes	Edge of bank, could be deep Anomaly on private property. Anomaly on private property at 26 Bramley	Sports Complex
127 L 128 L 129 L	Bramley at Sherbourne Sullivan N side near Bramley Lane E end near Bramley		716358 4869648 Jun 716217 4869839 Jun 716195 4869885 Jun	n-24 n-24	30 20 30 10 25 5	600 300 125	0 0 0 0 0 0	5 to 7 5 to 6 5 to 8	0		0 0 0		0 0 0 0 0 0	.0 No .0 No	Brick house near road 9 uR/h Nothing found Stone pile and brick chimney	
130a I 130 I 131a I	Lane btwn Sherborne & Sullivan (W) Lane btwn Sherborne & Sullivan (W) Lane btwn Strachan & Sullivan (W)			n-24 n-24		60 0. 300 0. 28 0.	3 18 6 3 90 3 8.4 12	9 64 15.4 1. 5 to 7 19 65 23.2 1.	0	3.7	45.695 0 98.8		74 1 0 0	2 Yes 0 Yes	Ganular over ashes To be determined with Sampling	121, 119 Strachan 23 Victoria S
131 L 132 L	Lane btwn Strachan & Sullivan (W)	716082 4869839	716159 4869722 Jun	n-24	85 4 60 4	340 0. 240 0.	3 102	7 to 9	0	15.6	0 192.66		0 0	.0 Yes	To be determined with Sampling Regraded and asphalt covered	118, 120 Strachan, 23, 27 Victoria S, 57, 59 Sullivar 11, 9, 9 1/2 Victoria S
133 1	Lane off Ridout, east of Bramley     Lane, Vict/Bramley, N Charles	716214 4869214	Jun 716026 4870101 Jun		50 4	200 0.		18 70 36.7 1. 5 to 10	3 406.9		291.46 C	5.5 22.	33 7 0 0	.8 Yes	Cinders visible To be determined with Sampling	5, 7, 9, 11, 13, 15 Bramley N, 272, 268 Ridout 29 Victoria, 102, 100, 96, 94, 92 Charles, 36 Bramley, 147, 149, 155, 159, 161 Bruton
135 1	/ Lane, Bram/Julia, N Charles		716188 4870167 Jun	n-25	150 4	600 0. 600	0 0	4 to 5	0		C		0 0		Regraded and asphalt covered	79, 77, 73, 71, 67, 63, 61, 59 Charles, 248, 250, 254,256,260,266,268 Ridout, 10, 14 Julia, 15, 17
136 1	/ Lane, Bram/Julia, N Ridout		716243 4869910 Jun	n-25	150 4	600 0.	3 180	4 to 7	0		C		0 0	.0 Yes	To be determined with Sampling, Post (8/20, 6Kcpm)	Bramley 107, 105, 103, 99, 97, 95 Charles, 282, 284, 286,
	Lane, Vict/Bramley, N Ridout     Lane, Toronto/Bram, N Charles		716088 4869981 Jun 715902 4870051 Jun		150 4 75 4	600 0. 300 0.	3 90	4 to 13 4 to 10	0	$\vdash$	0		0 0 0 0	.0 Yes	To be determined with Sampling To be determined with Sampling	290, 294, 300 Ridout, 7 Victoria, 16, 18 Bramley 26, 31 Toronto Rd, 30, 34 Victoria, 118, 120, 122 Charles
139 140 141	Yeovil St, east of Bramley     Yeovil St, east of #139     Bruton and Julia, Parking Area	716102 4870250 710173 4870315	Jun	n-25 n-26	25 3 27 4 85 10	75 0. 108 850	5 37.5 9 2 216 22 0 0	10         71         18.8         1.           160         72         219.2         0.           5 to 8	1 344.3 9 281.7 0	4.6 177.1	56.81 2187.185 0	14.6 59.2 13.8 56.0	76 1	5 Yes 4 Yes	Near fenceline, on boulevard Filled bank from Bruton Street props. Opposite Yeovil Dumping area	126, 130 Bruton Street (back road entrance) 118, 120 Bruton St (back of lot)
142 I 143a I	A Bruton and Julia, Parking Area     Bruton and Julia     Cumberland St, east end     Cumberland St, east end	716210 4870425 716210 4870425	716289 4870213 Jun Jun	n-26 n-26	30 20 15 5	600 75 1000	0 0 0 0 1 75 18 0 0	3 to 8         4           4 to 7         48           48         73         54           4 to 8         1	0 4 438.2 0	35.4	437.19 0	3.4 13.8	0 0	0 No 7 Yes	Opposite YeoViii Dumping area 1979 noted spot. Re-constructed by Town Dumping of slag. Recent disturbance Non-active slag in many ditch areas	7 Cumberland
144	A Cumberland St, east end     A Cumberland St, center     A Hill St, south end, Clayton Ln     Clayton's Lane, east	716569 4870423	715994 4870372 Jun 716485 4870346 Jun Jun	n-26 n-26	50 20 30 20 15 4	1000 600 60 0.	0 0	4 to 8 4 to 8 5 to 7 20 74 31.3	0 0 1 313	19.7	0 0 243.295	2.8 11.3	0 0	.0 No .0 No	Non-active slag in many orch areas 1979 noted spot. Ravine filled off road. Contaminated yard adjacent to east side (known) Through asphalt	18 Bruton St
146 1 147 1	V Clayton's Lane, east     Clayton's Lane, east     Struton's Lane, east     Struton's Lane, east     Charles/Baldwin, Julia to Church	716569 4870423	716618 4870355 Jun 716378 4870160 Jun	n-26 n-26 n-26	50 4 50 20 80 20	200 1000 1600	0 0 0 0 0 0 0	20 74 31.3 4 to 6 4 to 7 4 to 7	0		0 0 0		0 0 0 0 0 0	.0 No .0 No	Adjacent to former school Unable to find anomaly south of loc 146 Nothing found	
149 150	Charles/Baldwin, Julia to Church     Clayton's Lane, west     Thomas St, south of Walton     Thomas St, south of Walton	716592 4870035	716388 4870315 Jun	n-26 n-26	80 20 30 5 15 5 2 3	150 150 75 0. 6 0.	0 0	4 to 7 4 to 7 15 75 24.6 1. 10	0 0 3 406.9 0	13.2	0 163.02		0 0	0 No 4 Yes	Nothing found Nothing found Area under asphalt and into garden Bank at west side	15 Thomas St 209 Walton
150b 1 150c 1	I homas St, south of Walton     Thomas St, south of Walton     Thomas St, south of Walton     Thomas St, south of Walton     Yeovil/Bedford, west of Hill		716564 4870030 Jun 716583 4870054 Jun 716541 4870070 Jun 716341 4870361 Jun	n-26 n-26	2 3 2 3 180 20		5 3 7 5 3 7 5 3 7 0 0	10 10 10 5 to 9	0		0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.0 Yes .0 Yes	Hank at west side Around power pole, east side Bank at west side Major infiling to construct road	11 Thomas,
151b 1 152 0	Yeovil/Bedford, west of Hill     Yeovil/Bedford, east of Hill     D     Ross St     D     Pine at St. Mary's	716820 4870074	716488 4870434 Jun 716798 4869996 Jun	n-27 n-27	60 20 100 5		0 0 0 0 2 800 10	5 to 9         4 to 9           4 to 7         40           40         76         52.4	0 0 9 281.7	37.7	0 0 465.595	5.6 22.7	0 0	.0 Yes .0 Yes	Major infilling to construct road Ashes from Hawkins excavation on allowance No anomaly found Partly into road bed. Major fill through ravine.	St. Mary's Separate School
153 0 154 F 155 F 156 F	Price at St. Mary s     South Street, full length     Cavan St., South to North St     North St, Brown to Cavan	716993 4870329	716865 4870236 Jun Jun 716901 4870406 Jun	n-27	230 15 155 20	3450 3100 0. 1380	0 0 5 1550 12	40 76 52.4 0. 5 to 8 20 77 34.8 1. 4 to 7	0		0		0 0	0 Yes .1 Yes	Party into road bed. Major nii through ravine. Large brick buildings, contact 10 uR/h, driveway Scattered low-grade contamination along sides Connecting ROW to Brown	64, 68, 74, 76 Cavan St
156 157 158 159	North St, Brown to Cavan     Cavan St., North to Bedford     Seymour St     North St, Brown to Pine		716901 4870406 Jun 716935 4870499 Jun 716749 4870452 Jun 716776 4870384 Jun	n-28 n-28	195 20 150 20	1380 3900 0. 3000 2175		4 to 7 4 to 15 4 to 6 4 to 7	0		0		0 0 0 0 0 0 0 0	0 Yes 0 No	Connecting ROW to Brown Spotty contamination along both sides of road Possible geometry at steep bank. Possible geometry at brick buildings	78, 84, 90,96, 102, 108, 112 Cavan, 3 Bedford
160	Hagerman Street     Hagerman Street     Hill St, at Walton     D Brown Drive		716776 4870384 Jun 716658 4870208 Jun 716573 4871150 Jun 716962 4870152 Jun	n-28 n-28	140 15 68 15	2175 2100 1020 250		4 to 7 4 to 6 4 to 6 4 to 6 4 to 7	0		0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.0 No .0 No	Possible geometry at brick buildings Not completely surveyed by GS Not surveyed by GS Not surveyed by GS	
161	D Lane off Brown Dr D Chamber of Commerce	717159 4869748 716690 4870983	716960 4870153 Jun Jun	n-28 n-28	5 3 5 2	15 0. 10 0.	3 4.5 6 5 5 6	4 to 7 11 9 78 13.3 1. 100 79 146.3 1.		3.7	0 0 45.695 1391.845	3.8 15.4	0 0 28 1	0 Yes 2 Yes	Is this a Town lane? Lens below 30 cm known from CMP work	9 Brown St, 3 Brown Dr. Port Hope Chamber of Commerce 169, 171, 173,175, 180,182, 182b, 184 Cavan St
162 0 162a 0 163 0	Cavan, Parkette to Highland Cavan, Highland to Factory	716690 4870983 716899 4870813		JI-02	150 20	5000 0. 3000 1000 0.	5 2500 25 1 3000 38 5 500	100 79 146.3 1. 120 80 259.1 0. 5 to 40			1391.845 2734.29			.1 Yes	Material extends into park along river Width may be overstated. Depth unknown.	169, 171, 173, 175, 180,182, 182b, 184 Cavan St 148, 150, 121, 151, 159, 161, 162 Cavan St. 130, 132, 134, 136, 138, 140, 142, 144, 146 Cavan, 5 Craig, 6 Bedford
162         0           162a         0           163         0           164         0           165         0	Cavan Factory to Rodford	+ +	, 10000 40/0055 JU		10				0		C				Material primarily on west side.	2, 5, 7, 9, 11, 13, 15, 20, 24, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 45, 47, 49, 51, 53
162 162a (C 163 (C 164 (C) 165 (C) 165a (C)	Cavan, Factory to Bedford	716945 407000-		1.02	370 00	7000	1 7400 01	100 84 070 -	6 500 5	222 5	2747 ***	7 0 00 -		4	Blyds at Chestout and Lars Llave	Highland Dr
162 ( 162a ( 163 () 164 () 165 () 165a () 165a () 166 () 167 ()	Highland Drive, Pine to Cavan Pine St. Extention, Highland to gate	716845 4870867 716589 4870855	Ju	JI-02	110 20	7400 2200	1 7400 24 1 2200 18 3 3300	100 81 272.7 1. 48 82 89.7 1. 4 to 11		222.5 67.8	2747.875 837.33		76 22	.4 Yes	Bivds at Chestnut and Lars Houses cleaned. Area filled. I m of fill over residues in ravine area.	Highland Dr. Jack Burger Sports Complex, Cameco's Monkey Mountain Northumberland Landfill LL BWMO Bollins Pile
162 0 162 0 163 0 164 0 165 0 165 0 165 0 166 0 167 0 167 0 167 0 168 0	Highland Drive, Pine to Cavan	716589 4870855	716478         4870886         Jul           716882         4871294         Jul           716882         4871294         Jul	ul-02 ul-02 ul-02	110 20 110 10 310 20 30 5	2200 1100 6200 150 0.	1 2200 18 3 3300 0 0 5 75 8		2 375.6 0 0 3 406.9	67.8 18.1		4.6 18.6 8 32.	76 22 0 0 0 0 48 6	4 Yes 0 Yes 0 Yes 0 Yes		Jack Burger Sports Complex, Cameco's Monkey

172a         S         10 Hilcrest (JFR           173         S         20 Hilcrest           174         S         1 Hilcrest           175         S         Fisaer General           176         S         172 Fisaer General           176         S         2224 Fraser (JF           177         O         60 Walton St (or           178         0         134/38 Walton           180         O         36 Cavan St           1800         O         36 Cavan St           1800         O         Jenn's Lane (for           1801         O         Lean's Lane (for           1802         O         Lean's Lane (for           1803         O         Lean's Lane (for           1804         O         Lean's Lane (for           1805         O         Lean's Lane (for           1806         O         Lean's Lane (for           1807         D         Brogden's Lane, (for           1818         T         Ration, in area           182         T         Ration, in area           183         T         Ration, in area           184         T         Ration, in area	ur St, east end "cest General (all Green) Hildrest (JFM survey) Hildrest Biorest 21 Fraser (JFM survey) 24 Fraser (JFM survey) 24 Fraser (JFM survey) 24 Araton St Waiton St (on road) 7136 Waiton St Mart St. Peace Park Cavan St Cavan St Cavan St Gaugusta to Waiton n St, Augusta to Theatre
No.         Det         Desc.           171         S         Arthur St, east           172         S         Hillcrest General           173         S         20 Hillcrest (JR)           174         S         1 Hillcrest (SR)           174         S         1 Hillcrest (SR)           175         S         Fraser General           175         S         Fraser General           176         S         22/24 Fraser (JR)           177         O         60 Walton St (Ord)           178         O         134/38 Walton           1800         O Walton, Brown H           1800         O Staron St (Arg)           1800         O Lenn's Lane (SO)           1800         O Lenn's Lane (SO)           1801         O Cavan St, August           1802         O Cavan St, Walton St, W	ur St, east end "cest General (all Green) Hildrest (JFM survey) Hildrest Biorest 21 Fraser (JFM survey) 24 Fraser (JFM survey) 24 Fraser (JFM survey) 24 Araton St Waiton St (on road) 7136 Waiton St Mart St. Peace Park Cavan St Cavan St Cavan St Gaugusta to Waiton n St, Augusta to Theatre
171         S.         Arthur S., east e.           172         S.         Hillcrest General (JFR)           173         S. 20 Hillcrest (JFR)           173         S. 20 Hillcrest (JFR)           175         S. Faser General           176         S. 1922 Fraser (JFR)           176         S. 1922 Fraser (JFR)           176         S. 1222 Fraser (JFR)           177         O. 60 Walton St (or           178         O. 134/136 Walton           179         O. Cavan SI. Feace           1800         O. 36 Cavan SI.           1800         O. Gueen SI. August           1800         O. Lemris Lans sout           1800         O. Lemris Lans (Lougen SI. August           1800         O. Lemris Lans (Lougen SI. August           1801         O. Cavan SI. Walton           1802         O. Cavan SI. Walton           1803         O. Cavan SI. Walton           1804         O. Cavan SI. Walton           1805         O. Anatio SI. Walton           1810         T. Relation, increas           1811         T. Relation, increas           1821         T. Gregory SI.           1822         T. Gregory SI.           1833         U	ur St, east end "cest General (all Green) Hildrest (JFM survey) Hildrest Biorest 21 Fraser (JFM survey) 24 Fraser (JFM survey) 24 Fraser (JFM survey) 24 Araton St Waiton St (on road) 7136 Waiton St Mart St. Peace Park Cavan St Cavan St Cavan St Gaugusta to Waiton n St, Augusta to Theatre
172         S         Hildress General           172         S         10 Hildress (Lines)           173         S         20 Hildress (Lines)           174         S         1 Hildress (Lines)           175         S         Fraser General           176         S         1221 Fraser (Ji           176         S         2224 Fraser (Ji           177         O         60 Walton St (Cora)           178         O         134/138 Walton           179         O         Cavan St. Pasar           180         O         36 Cavan St. August           1800         O         John St. August           1800         O         John St. August           1800         O         Lent's Lane (No           1801         O         Gragder's Lane sou           1802         O         Cavan St. Walto           1801         O         Chavina St. Treft           181         T         Relation. In area           182         T         Gregory St.	zrest General (all Green) Hillcrest (JFM survey) Hillcrest Ser General 21 Fraser (JFM survey) 24 Fraser (JFM survey) Wation St (on road) /136 Wation St Ton St. Peace Park Cavan St Ton, Brown to Mill n St, Augusta to Theatre
172a         S         10 Hilcrest (JFR           173         S         20 Hilcrest           174         S         1 Hilcrest           175         S         Fraser General           175         S         Fraser General           176         S         1921 Fraser (JF           176         S         2224 Fraser (JF           177         O         60 Walton St (or           178         O         134/38 Walton           180         O         36 Cavan St           1800         O         Gator St, August           1800         O         Lenris Lans sout           1801         O         Larvin St, Walton           1802         O         Mattano St, Tele           1801         O         Cavan St, Waltano St, Mattano St, Tele           1813         T         Relification, St, Mattano St, M	Hildrest (JFM survey) Hildrest Bicrest Ser General 21 Fraser (JFM survey) 24 Fraser (JFM survey) Walton St Af Fraser (JFM survey) 7136 Walton St Aran St. Peace Park Gavan St Cavan St Gavan St St, Augusta to Theatre
173         S         20 Hillcrest           174         S         1 Hillcrest           175         S         Fraser General           175         S         Fraser General           176         S         2224 Fraser G           177         O         60 Walon S1 (Pocar)           177         O         60 Walon S1 (Pocar)           178         O         134/38 Walton           180         O         36 Cavan S1 (Pocar)           180         O         Jabn S1, August           1800         O         Len's Lan (Co           1800         O         Len's Lan (Co           1801         O         Gragder's Lane sou           1802         O         Cavan S1, Pocar)           1804         O         Len's Lan (Co           1807         O         Len's Lan (Co           1808         O         Cavan S1, Walto           1801         O         Ratiston in area           181         T         Ratiston in area           182         T         Gregory S1           181         T         Ratiston in area           182         T         Gregory S1           181	Hildrest Hildrest Ser General 21 Fraser (JFM survey) 24 Fraser (JFM survey) Watton St (on road) /136 Watton St Gavan St Cavan St ton, Brown to Mill n St, Augusta to Theatre s St, Augusta to Theatre
175         S         Fraser General           175         S         1921 Fraser (J)           176         S         2224 Fraser (J)           177         O         60 Walon S1 (or Carvan S1, Pacar)           177         O         60 Walon S1 (or Carvan S1, Pacar)           178         O         134/138 Walon           179         O         Carvan S1, Pacar)           180a         O         Walon, Brown H           180b         O         John S1, August           180c         O         Len'ts Lane (for Carvan S1, Pacar)           180d         O         Len'ts Lane (for Carvan S1, Walto HS0)           180f         O         Carvan S1, Walto HS1,	ser General 21 Fraser (JFM survey) 24 Fraser (JFM survey) Walton St (on road) 1/36 Walton St ans St. Peace Park Cavan St ton, Brown to Mill n St, Augusta to Walton s St, Augusta to Theatre
175a         S         19/21 Fraser (J)           176         S         22/24 Fraser (J)           177         O         60 Walton St (or           178         O         13/4/36 Walton St (or           178         O         13/4/36 Walton St (or           1800         O         36 Cavan St. Peace           1800         O         John St. August           1800         O         John St. August           1800         O         Leins St. August           1800         O         Lean's Lane sout           1801         O         Lean's Lane sout           1802         O         Mattana St.           1804         O         Lean's Lane sout           1805         O         Cavan St. Walton           1806         O         Intarno St. Walton           1801         O         Intarno St. Walton           1813         T         Gragory St.           1814         T         Gragory St.           216         T         More Streed           217         T         Scriven, west si           218         T         Hensage, Keith           183a         U         Marsh Road <td>21 Fraser (JFM survey) 24 Fraser (JFM survey) Watton St (or noad) /136 Walton St an St. Peace Park Cavan St Iton, Brown to Mill n St, Augusta to Walton s St, Augusta to Theatre</td>	21 Fraser (JFM survey) 24 Fraser (JFM survey) Watton St (or noad) /136 Walton St an St. Peace Park Cavan St Iton, Brown to Mill n St, Augusta to Walton s St, Augusta to Theatre
176         S. 2224 Fraser (JF           177         O. 60 Walton S1 (or Cavan S1: Pacata)           180         O. 134/138 Walton           179         O. Cavan S1: Pacata)           180         O. 36 Cavan S1: August           1800         O. Walton, Brown H.           1800         O. Walton, Brown H.           1800         O. Glias S1: August           1800         O. Leni's Lane (for Cavan S1: Pacata)           1801         O. Cueen S1: August           1802         O. Leni's Lane (for Cavan S1: Walto B0)           1801         O. Cavan S1: Walto B1           1801         O. Cavan S1: Walto B1           1801         O. Cavan S1: Walto B1           181         T. Raiston, In area           182         T. Gregory S1: Walto B1           181         T. Raiston, In area           182         T. Gregory S1           181         T. Raiston, In area           216         T. Jane Street           217         T. Scriven, west si           218         T. Heneage, Keith           183a         U. Anomark 4470           183b         U. Anomark 4470           183b         U. Anomark 4470           183b         U. Anomark 4470	24 Fraser (JFM survey) Walton St (on road) /136 Walton St aran St. Peace Park Cavan St Iton, Brown to Mill n St, Augusta to Walton s St, Augusta to Theatre
177         C         60 Walton, St. for           178         O         134/136 Walton, St. Peace           180         0         35 Cavan, St. Peace           180         0         36 Cavan, St.           180         0         36 Cavan, St.           180         0         36 Cavan, St.           180         0         John St., August           1800         O         Leins, St., August           1800         O         Leins, St., August           1800         O         Lent's Lane sout           1801         O         Lan'ts Lane sout           1802         Maitand St.         Tell           1801         O         Bragden's Lane, (no           181         T         Field's Raitson, in area           182         T         Gregory St.           215         T         Moore. Gregory St.           216         T         Jane Street           217         T         Scriven, west Buch Road, no           183         U	Walton St (on road) /136 Walton St ran St. Peace Park Cavan St ton, Brown to Mill n St. Augusta to Walton s St, Augusta to Theatre
178         0         134/138 Walton           179         0         Cavan St. Paozan St. Paozan St.           180         0         36 Cavan St.           180a         0         Walton, Brown St.           180b         0         John St., August.           180c         0         Elas St., August.           180c         0         Elas St., August.           180c         0         Len's Lane (too)           180d         0         Cuent's Lane (too)           180f         0         Cavan St. Walto           1801         0         Erogden's Lane, Sou           1801         0         Cavan St. Walto           181         T         Relation. D           181         T         Relation. D           181         T         Relation. D           182         T         Gregory           216         T         Jane Street           217         T         Scriven, west sit           183         U         Anormaly 41701           183         U         Anormaly 41701           183         U         Bauch Road, not fill           183         U         Anormaly 41701	/136 Walton St van St. Peace Park Cavan St Iton, Brown to Mill n St, Augusta to Walton is St, Augusta to Theatre
180         0         36 Cayan St.           1800         O         Waton, Brown Lias St., August.           1800         O         John St., August.           1800         O         Lias St., August.           1800         O         Lias St., August.           1800         O         Lent's Lane (too.           1801         O         Lent's Lane (too.           1801         O         Lent's Lane (too.           1801         O         Cavan St., Wato           1801         O         Cavan St., Wato           1801         O         Cavan St., Wato           181         T         Relation, I.           181         T         Relation, I.           182         T         Gregory           216         T         Jane Street           217         T         Scriven, west sit           218         T         Herenane, act           183         U         Anornaly at 474           183         U         Anornaly at 474           183         U         Baulch Road, nor           184         M         Bruton and Chand           185         U         Anornaly at 474	Cavan St Iton, Brown to Mill n St, Augusta to Walton is St, Augusta to Theatre
190b         O         John Sf. August           190d         O         Lens St. August           1900         O         Matland St.           1901         O         Cavan St. Walto           1901         O         Cavan St. Walto           1911         T         Ralaton D           1921         T         Gregory St.           1921         T         Gregory St.           215         T         Moore, Gregory St.           216         T         Jane Street           217         T         Scriven, west sit           218         T         Heneage, Keith           183a         U         Marsh Road           183b         U         Anornaly at 474           183d         Baulch Road, nornaly at 474           183d         U         Baulch Road, nornaly at 474           183d         U         Baulch Road, nornaly at 474	n St, Augusta to Walton is St, Augusta to Theatre
190b         O         John Sf. August           190d         O         Lens St. August           1900         O         Matland St.           1901         O         Cavan St. Walto           1901         O         Cavan St. Walto           1911         T         Ralaton D           1921         T         Gregory St.           1921         T         Gregory St.           215         T         Moore, Gregory St.           216         T         Jane Street           217         T         Scriven, west sit           218         T         Heneage, Keith           183a         U         Marsh Road           183b         U         Anornaly at 474           183d         Baulch Road, nornaly at 474           183d         U         Baulch Road, nornaly at 474           183d         U         Baulch Road, nornaly at 474	n St, Augusta to Walton is St, Augusta to Theatre
180c         ○         Elias SI, August.           180d         ○         Lewn SI, August.           180e         ○         Lewn SI, August.           1807         ○         Lewn SI, August.           1808         ○         Lewn SI, August.           1809         ○         Maitand SI.           1801         ○         Lewn's Lawa SW.           1801         ○         Gravan SI, Walds.           1801         ○         Gravan SI, Walds.           1801         ○         Gravan SI, Walds.           1811         T         If Cirl R Raitson, in area           182         T         Gregory SI.           215         T         Moren. Gregory SI.           216         T         Jane Street           217         T         Scrivent, west SI.           218         T         Freeman, eard C           218         T         Freeman, eard C           183         U         Marsh Road           183         U         Anornaly at 747           183         U         Bauch Road, nornaly at 747           183         U         Bauch Road, nornaly at 747           184         M Bruton and Chaan	s St, Augusta to Theatre
180d         O         Queen SI, Augu           1806         O         Lent's Lane (too)           1807         O         Lent's Lane (too)           1808         O         Lent's Lane (too)           1809         O         Maitand SI.           1801         O         Cavan SI, Walto           1801         O         Grogden's Lane, SU.           181         T         Ration, SI. Walto           181         T         Ration, In area           182         T         Gregory SI.           181         T         Ratiston, in area           182         T         Gregory SI.           216         T         Jane Street           217         T         Scriven, west si           218         T         Hereman, east C           219         T         Freeman, east C           183         U         Anornaly at 474           183         U         Anornaly at 474           183         U         Bauch Road, nornaly at 474           183         U         Bauch Road, nornaly at 474           183         U         Bauch Road, nornaly at 474           184         M         Bruton and Ch	
180e         O         Lent's Lane (too           180f         O         Lent's Lane (too           180g         O         Maitand St.           1800         O         Savan SF, Walds           1801         O         Brogden's Lane, flow           1801         O         Brogden's Lane, flow           1801         O         Gravan SF, Walds           1811         T         If 161 R Raitson, in area           1812         T         Gregory SL.           215         T         Moore, Gregory SL.           216         T         Jane Street           217         T         Scivient, west Bia           218         T         Feenam, east C           219         T         Sevents, east Anornaly at 747           183         U         Anornaly at 747           1830         U         Anornaly at 747           1831         U Sauch Road, nornaly at 747           1832         U Anornaly at 747           1833         U Sauch Road, nornaly at 747           1834         U Bauch Road, nornaly at 747           1835         U Anornaly at 747           1836         U Anornaly at 747           1837 <td< td=""><td>on or, Augusta to Walturi</td></td<>	on or, Augusta to Walturi
180g         O         Maitand St.           180h         O         Savan St, Walds           180i         O         Broglers's Lane,           180i         O         Ontario St, Walts           181         T         It'l'18 Raitson, in area           181         T         It'l'18 Raitson, in area           182         T         6 Gregory           182         T         6 Gregory St.           215         T         Moore, Gregory St.           216         T         Almore, Gregory St.           217         T         S Criven, west is           218         T         Hernage, Kell           183         U         March Road           183         U         Anomaly at 747           183         U         Bauch Road nogen at 700           184         M Bruton and Chang           185         R         Highand Dr, S C           186         S Lavinia near WC           187         Peroval near MC           188 </td <td>t's Lane (footpath)</td>	t's Lane (footpath)
180h         O         Cavan SI, Walto           180i         O         Groden's Lang.           180i         O         Groden's Lang.           180i         O         Ontario SI, Walto           181         T         Rivina SI, Trefit           181         T         Riston, In area           182         T         6 Gregory           182         T         6 Gregory           216         T         Jane Street           217         T         Scriven, west si           218         T         Hereage, Keith           183a         U         Marsh Road           183b         U         Anomaly at 474           183d         U         Baulch Road, no           184         M         Briton and Chang           185         V         For Kd, Souther           180         V         For Kd, Souther           180         V         For Kd, Souther           180 <td></td>	
1801         O         Brogden's Lane,           1800         O         Indario SL, Wall           214         S.         Larvina SL, Trefu,           181a         T         171/17 Ratiston, in area           182a         T         6 Gregory           181         T         171/17 Ratiston, in area           182a         T         6 Gregory           215         T         Moore, Gregory           216         T         Jane Street           217         T.         Scriven, west is           218         T         Heneage, Keiht           183a         U         Marsh Road           183b         U         Anornaly at 4704           183c         U         Anornaly at 4704           183d         U         Baulch Road, nornaly at 4704           184         M         Bruton at Canan	
180j         O         Ontario SI, Walt           214         S         Lavinia SI, Treffi           181         T         Relation D           181         T         Relation D           182         T         Gregory SI.           215         T         Moore, Gregory SI.           216         T         Jane Street           217         T         Scriven, west si           219         T         Freeman, asci           183a         U         Marsh Road           183b         U         Anomaly at 474           183b         U         Bauch Road, nd           183b         U         Bauch Road, nd           183b         U         Bauch Road, nd           184         M         Bauch Road, nd           185         U         Bauch Road, nd           186         E         Leing of Narm           187         S         Percval near L           188         V         Road na Arban Arb	an St, Walton to South St aden's Lane, Ontario to Walton
214         S. Lawinia SI, Trefu.           181a         T. 16/16 Raiston, in area           182a         T. 6 Gregory           182         T. 6 Gregory SI.           215         T. Morre, Gregory SI.           215         T. Morre, Gregory SI.           217         T. Scriven, west si.           217         T. Scriven, west si.           218         T. Heneage, Keith           218         T. Heneage, Keith           183a         U. Marsh Road           183b         U. Anornaly at 470           183c         U. Anornaly at 470           183d         U. Baulch Road, nornaly at 470           184         M. Bruton and Chan           185         U. Baulch Road, nornaly at 470           186         S. Lawiai near Vic           187         S. Percival neart H.           188         P. Lane off Cavan           189         E. BS Eigin N. J.Th           190         V. Fox Rd, Arcea 1           190         V. Fox Rd, Ar	ario St, Walton to Bridge
181a         T         16/18 Ration, In area           181         T         Relation, In area           182         T         6 Gregory           182         T         6 Gregory           215         T         Moore, Gregory           216         T         Jane Street           217         T         Scriven, west si           219         T         Freeman, east c           219         T         Freeman, east c           218         T         Heneage, Keith           183a         U         Marsh Road           183b         U         Anomaly at 474           183d         U         Baulch Road, nc           183d         U         Baulch Road, nc           184         M         Bruton and Chand           185         R         Highiand Dr, S C           186         P         Lane off Caxam           187         S         Percival near H.           188         P         Lane off Caxam           190         V         Fox Rd, Area 1           190         V         Fox Rd, Area 1           190         V         Fox Rd, Area 1           191	inia St, Trefusis to Toronto Rd
182a         T         6 Gregory           182         T         6 Gregory           215         T         Moore, Gregory           216         T         Jane Street           217         T         Scriver, west si           219         T         Freeman, east c           218         T         Hensage, Keith           183a         U         Marsh Road           183b         U         Anomaly at 701           183c         U         Anomaly at 701           183c         U         Anomaly at 741           183d         U         Baulch Road, nc           183d         U         Baulch Road, nc           183d         U         Baulch Road, nc           184         M         Bruton and Chang           185         R         Highland Dr, S C           186         S         Lavinia near WC           187         S         Pecroval near H.           188         P         Lane off Cavan           189         V         Fox Rd, Area 2           191         V         Ann S1.           192         W         Victoria S1at 40           193         V	18 Ralston Dr (JFM)
182         T         Gregory St.           215         T         Morel, Gregory St.           217         T         Screent           217         T         Screent           217         T         Screent           219         T         Freeman, east c           218         T         Hennage, Keith           183a         U         Marsh Road           183b         U         Anornaly at 470           183c         U         Anornaly at 474           183d         U         Bauch Road, n           183d         U         Bauch Road, n           184         Bruton nand Cha         185           185         Lane off Cavan         186           186         Screenta Nather         190           197         S Perioval nath         190           198         E         B5 Eigin N. Jim           190         V         Fox Rd, Area 1           191         V <td></td>	
215         T         Moore, Gregory           216         T, Jane Street           217         T         Scriver, west si           219         T         Freeman, ast c           218         T         Hensage, Keith           183a         U         Marsh Road           183b         U         Anornaly at 707           183a         U         Anornaly at 741           183a         U         Bauch Road, n           183d         U         Bauch Road, n           183d         U         Bauch Road, n           184         M         Bruton and Chan           185         R         Highland Dr, S C           186         S         Lavrian near Wc           187         S         Percival near H.           188         P         Lane of Caxam           189         V         Fox Rd, Area 1           190         V         Fox Rd, Area 2           191         V         Area 5           192         W         Victoria 3 at 40           193         X         Spot aborg error           194         X         Spot aborg error           195         X	
216         T         Jane Street           217         T         Scriver, west is           219         T         Freeman, east c           218         T         Heneage, Keith           183a         U         Marsh Road           183b         U         Anornaly at 470           183b         U         Anornaly at 474           183c         U         Bauch Road, nc           183b         U         Bauch Road, nc           183c         U         Bauch Road, nc           183b         U         Bauch Road, nc           184         M         Bruton and Cha           185         R         Highard Dr, S           186         S         Lavirai near Vic           187         S         Percival neart H           188         P         Lane off Cavan           190         V         Fox Rd, Area 1           190         V         Fox Rd, Area 1           191         V         An S1           192         W         Victoria Stat 44           193         W Spicer S1           194         X         Spot Mouton S1. Mouton S1. Met           195         X <td>JORY St.</td>	JORY St.
217         T. Seriven, west si           219         T. Freeman, east c           218         T. Hensage, Keith           183a         U. Marsh Road           183b         U. Anomaly at 704           183d         U. Bauch Road, n           184         M. Struton and Chan           185         U. Bauch Road, n           184         M. Struton and Chan           185         R. Highard Dr, S C           186         S. Larvina near W.           187         S. Percival near H.           188         P. Lane off Cavan           190         V. Fox Rd, Area 2           191         V. Ann St.           192         V. Erk Rd, Scruth           193         W. Spicer St.           194         X. Bruton St. West           195         X. Struth R. St.           196         V. Fox Rd, Area 2           191         V. Ann St.           193         W. Spicer St.           194         X. Biolon St. Vest           195         X. Struth St.           196	e Street
219         T         Freeman, east c           218         T         Heneage, Keith           183a         U         Marsh Road           183b         U         Anornaly at 470           183c         U         Anornaly at 474           183c         U         Bauch Road, n           183d         U         Bauch Road, n           183d         U         Bauch Road, n           183d         U         Bauch Road, n           184         M         Bruton and Cha           185         Lavina near Vic         Intro           186         S         Lavina near Vic           187         S         Peroval neart H           188         P         Lane off Cavan           190         V         Fox Rd, Souther           190         V         Fox Rd, Area 1           190         V         Fox Rd, Area 1           190         V         Fox Rd, Area 1           191         V         An S1           192         W         Victoria Stat 40           193         X         Spot Stop Gor S1           194         X         Spot Stop Gor S0           1955	iven, west side, N of Jane
183a         U         Marsh Road           183b         U         Anornaly at 470           183c         U         Anornaly at 474           183c         U         Bauch Road, nonaly at 474           183d         U         Bauch Road, nonaly at 474           183d         U         Bauch Road, nonaly at 474           183d         U         Bauch Road, nonaly at 474           184         W         Bruton and Cha           185         R         Highard Dr, S           186         S.         Laviai near Vic           187         S.         Perival neart H.           188         P.         Lane off Cavan           190         V         Fox Rd, Souther           190         V         Fox Rd, Area 1           192         W         Victoria Stat 40           193         W Spicer St         Spot Mount St.           194         X         Bruton St.           195         X.         Spot Jong emp           195         X.         Spot Jon	eman, east of Scriven
183b         U         Anornaly at 470           183c         U         Anornaly at 470           183d         U         Bauch Road, nornaly at 470           183d         U         Bauch Road, nornaly at 470           184         M         Bruton Anornaly at 470           184         M         Bruton Road, nornaly at 470           184         M         Bruton and Chan           185         R         Highand Dr, S           186         S         Lavinia near Vic           187         S         Percival neart H.           188         P         Lane off Cavan           190         V         Fox Rd, Souther           190         V         Fox Rd, Souther           190         V         Fox Rd, Area 1           190         V         Fox Rd, Area 1           190         V         Fox Rd, Area 1           191         V         Arn S1           192         W         Victoria St at 470           193         W Spicer S1         Spicer S1           194         X         Spicer S1           195         X         Spot Jong emp1           196         W Centennial Dr, w	neage, Keith to Freeman
183b         U         Anornaly at 470           183c         U         Anornaly at 470           183d         U         Bauch Road, nornaly at 470           183d         U         Bauch Road, nornaly at 470           184         M         Bruton Anornaly at 470           184         M         Bruton Road, nornaly at 470           184         M         Bruton and Chan           185         R         Highand Dr, S           186         S         Lavinia near Vic           187         S         Percival neart H.           188         P         Lane off Cavan           190         V         Fox Rd, Souther           190         V         Fox Rd, Souther           190         V         Fox Rd, Area 1           190         V         Fox Rd, Area 1           190         V         Fox Rd, Area 1           191         V         Arn S1           192         W         Victoria St at 470           193         W Spicer S1         Spicer S1           194         X         Spicer S1           195         X         Spot Jong emp1           196         W Centennial Dr, w	
183c         U         Anomaly at 474           183d         U         Bauch Road, nc           184         M         Bauch Road, nc           184         M         Bruton and Chan           185         R         Highland Dr, S C           186         S         Lavrian near WC           187         R         Highland Dr, S C           188         P         Lane off Cavan           189         P         Lane off Cavan           189         V         Fox Rd, Norther           190         V         Fox Rd, Norther           190         V         Fox Rd, Area 1           190         V         Fox Rd, Area 2           191         V         Ann St.           192         W         Victoria St at 40           193         W         Spicer St.           194         X         Bruton St. West           195         W         Victoria St at 40           196         W         Carlon and trains fid. Gam           195         X         Ridout St, Short           196         W         Carlon and trains fid. Gam           196         W         Carlon And R Gam	
183d         U         Bauch Road, nc           183d         U         Bauch Road, nc           184         M         Bruton and Cha           185         C         Bauch Road, nc           185         R         Highand Dr, S           186         S         Larviai near Vic           187         S         Percival near H.           188         P         Lane off Cavan.           189         E         BS Egin N. JPM           190         V         Fox Rd, Souther           190.         V         Fox Rd, Area 1           190.         V         Fox Rd, Area 1           190.         V         Fox Rd, Area 1           191         V         An R1           192         W         Victoria St at 40           193         W Spicer St         Spot Sp along emp           194         X         Byston St along and           195         X         Spot Jos along emp           195         X         Spot Jos along emp           195         W Marsh Rd @ 45           198         U         Marsh Rd @ 45           198         U         Marsh Rd @ 46           198	
183a         U         Sauch Read. nr.           184         M         Bruton and Chail           185         R.         Highland Dr, S.           186         S.         Larvina near Hu.           187         S.         Percival near H.           188         P.         Lane off Cavann.           189         P.         Lane off Cavann.           190         V.         Fox Rd. Norther.           1900         V.         Fox Rd. Norther.           1900         V.         Fox Rd. Areal.           1900         V.         Fox Rd. Areal.           1911         V. Ann St.         Mars.           192         W. Victoria Stat 40         193           193         W. Spicer St.         Spot along empl.           194         X.         Bruton St. West           195         X.         Spot along empl.           196         W. Centennal Dr. Mars. Ref. 44           195         X.         Spot along empl.           196         W. Centennal Dr. Mars. Ref. 44           196         W.         Easthore Rd. 46           198a         U.         Mars. Ref. 35           198a         W.         Baudh Ref. Sou	
184         M         Bruton and Cha           185         R         Highand Dr, S           186         S         Lavinia near Vic           187         S         Percival near H.           188         P         Lane off Cavan           189         E         BS Egin N. JM           190         V         Fox RJ, Souther           190         V         Fox RJ, Souther           190         V         Fox RJ, Area 1           190         V         Fox RJ, Area 1           190         V         Fox RJ, Area 1           191         V         An R1           192         W         Victoria St at 40           193         W         Spicer St           194         X         Bruton St. West           195         X         Spot Jong emp           195         X         Spot Jong emp           195         X         Spot Jong emp           196         W         Centennia Dr, w           197         U         Marsh Rd @ 45           198         U         Marsh Rd @ 45           198         U         Marsh Rd @ 45           198         U	Ich Road, north of WWMF
185         R         Highland Dr, S (           186         S         Lavinia near W.           187         S         Percival near H.           188         P         Lane off Cavan           189         P         Lane off Cavan           189         V         Fox Rd, Nurther           190         V         Fox Rd, Norther           190         V         Fox Rd, Norther           190         V         Fox Rd, Area 2           191         V         Ann St.           192         W         Victoria St at 40           193         W         Spicer St.           194         X         Bruton St. West           195         X         Ridout St., Shor           196         W         Cavand emp           197         Baudh Rd Sout         Marah Rd Sout           200         Y         Frand Rd Camp           201         Y         Lakeshore near           201         Y <td></td>	
187         S         Percival near H.           188         P         Lane off Cavan           189         E         38 Eigin N. JFM           180         V         Fox Rd, Nurther           190         V         Fox Rd, Norther           190a         V         Fox Rd, Norther           190a         V         Fox Rd, Area 2           191         V         Ann St           192         W         Victoria St at 40           193         W         Spicer St           194         X         Bruton St. West           194         X         Bruton St. West           195         X         Ridout Sr. Stort           196         X         Spot atom genp           196         W         Centomial Dr.           197         W         Spot atom genp           198         W         March Rd & dta           200         Y         Eakeshore west           201         Y         Lakeshore rear      201         Y	hland Dr, S of JBSC lot
188         P         Lane of C avan           189         E         85 Egin N. JPM           190         V         Fox Rd. Souther           190         V         Fox Rd. Souther           190         V         Fox Rd. Area 1           190b         V         Fox Rd. Area 1           190b         V         Fox Rd. Area 1           190b         V         Fox Rd. Area 1           191         V         Arn St.           192         W         Victrial St at 44           193         W         Spicer St.           1944         X         Bruon St. West           1954         X         Spot Jong area           1955         X         Spot Jong area           1956         X         Spot Jong area           1957         U         Marsh Rd @ 45           1958         U         Marsh Rd @ 45           1988         U         Marsh Rd @ 45           1980         U         Marsh Rd @ 45           2010         Y         Lakeshore near           2011         Y         Lakeshore rear           2011         Y         Lakeshore rear           2012	inia near Victoria (Driveway)
189         E         85 Eigin N. JFM           190         V         Fox Rd., Norther           190         V         Fox Rd., Norther           190         V         Fox Rd., Norther           190         V         Fox Rd., Arean           191         V         Ann St.           192         W         Victoria Stat 40           193         W         Spicer St.           194         X         Bruton St. West           194         X         Bruton St. West           195         X         Ridout St., Shor           195         X         Ridout St., Shor           195         X         Ridout Rd., St., Shor           196         W         Centennial Dr. W.           197         U         Marsh Rd. @ 44           196a         U         Marsh Rd. @ 44	cival near HJ School
190         V         Fox R4, Souther           190         V         Fox R4, Norther           190b         V         Fox R4, Norther           190b         V         Fox R4, Area 1           190b         V         Fox R4, Area 1           191         V         Ann S1           192         W         Victoria S1 at 44           193         W         Spicer S1           194         X         Bruon S1, West           195         X         Rydout S1, Short           195         X         Spot of S0, Spot along emp           196         W         Centennia D1, w           197         U         Marsh R4 @ 45           198         U         Marsh R4 @ 45           198         U         Marsh R4 @ 45           198         U         Marsh R4 @ 45           200         Y         Bauch R5 dout           201         Y         Lakeshore near           201         Y         Lakeshore word           202         Z         Lakeshore word           202         Z         Lakeshore word           202         Z         Lakeshore word           202	e off Cavan to Hunt's Ponds
190         V         Fox Bd. Norther           1900         V         Fox Bd. Area 1           190b         V         Fox Bd. Area 1           1910         V         Fox Bd. Area 1           1911         V         Ann St.           192         W         Victoria St at 40           193         W         Spicer St           194         X         Bruton St. West           194         X         Bruton St. West           195         X         Ridout St. Shor           195         X         Spot along empt           196         W         Centional Dr. #           197         U         Marsh Rd @ 45           198         U         Marsh Rd @ 45           198         U         Marsh Rd @ 45           198         U         Marsh Rd @ 45           200         Y         Eakeshore near           201         Y         Lakeshore Rd # 45           202	
190a         V         Fox Rd, Area 1           190b         V         Fox Rd, Area 1           1910         V         Kox Rd, Area 2           191         V         Ann St           192         W         Victria St at 44           193         W         Spicer St           194         X         Spicer St           195         X         Ridout St, Short           195         X         Spot St, Golf Co.           1955         X         Spot along emp           196         W         Centennia Dr, w           197         U         Marsh Rd @ 45           198         U         Marsh Rd @ 45           198         U         Marsh Rd @ 45           198         U         Marsh Rd @ 45           200         Y         Baudch Rd Sout           200         Y         Lakeshore near           201         Y         Lakeshore Rd, w           201         Y         Lakeshore Rd, w           201         Y         Lakeshore Rd, w           202         Z         Lakeshore Rd, w           202         Z         Lakeshore Rd, w           202         Z <td></td>	
190b         V         Fox Rd, Area 2           191         V         Ann St           192         W         Victoria St at 40           193         W         Spicer St           194         X         Bruton St. West           194         X         Bruton St. West           195         X         Ridout St. Shor           195         X         Spot by Colf Col           195         X         Spot by Colf Col           195         X         Spot by Colf Col           195         X         Spot anog emp           196         W         Contennial Dr. W           197         U         March Rd @ 44           198         U         March Rd @ 44           198         U         March Rd @ 44           198         U         March Rd @ 44           206         V         Brand Rd Sould           200         Y         Lakeshore ear           201         Y         Lakeshore Rd with           201         Y         Lakeshore Rd with           202         Z         Lakeshore Rd with           203         AA         Lakeshore Rd with           204	
192         W         Victoria St at 40           193         W         Spicer St           1944         X         Bruton St. West           1954         X         Bruton St. West           1955         X         Ridout Sr. Shor           1955         X         Ridout Sr. Shor           1956         W         Spot by Golf Co.           1958         X         Spot along emplities           196         W         Centennial Dr. W.           197         U         Marsh Rd @ 44           198a         U         Marsh Rd Grane           199         U         Bauch Rd Grane           200a         V         Brauch Rd Grane           201         V         Lakeshore wetz           2010         V         Lakeshore Rd, W           202         Z         Lakeshore Rd, W           203         AA         Lakeshore Rd, W           204         AA         Lakeshore Rd, M           205         AB         Lakeshore Rd, M           206         AB         Lakeshore Rd, M           207         AC         Lakeshore Rd, Co.           208         AC         Lakeshore Rd, T <td>Rd, Area 2</td>	Rd, Area 2
193         W         Spicer St.           194         X         Bruton St. West           194         X         195 Bruton St. West           195         X         Ridout St. Stron           195         X         Spot by Coll Co.           195b         X         Spot along emplity           196         W         Centennial Dr. w.           197         U         Marsh Rd @ 45.           198         U         Marsh Rd @ 45.           198         U         Marsh Rd @ 45.           198         U         Marsh Rd @ 45.           200         Y         Baulch Rd Sout           201         Y         Lakeshore near           201         Y         Lakeshore Wot           202         Z         Lakeshore Rd. w.           203         A         Lakeshore Rd. w.           204         AA         Lakeshore Rd. w.           205         AB         Lakeshore Rd. w.           206         AB         Lakeshore Rd. w.           206         AB         Lakeshore Rd. w.           206         AB         Lakeshore Rd. w.           207         208         AC	
194     X     Bruton SL. West       194a     X     195 Bruton St. Short       195     X     Ridout SL. Short       195a     X     Spot by Golf Co.       195b     X     Spot by Golf Co.       195b     X     Spot along emplities       196     W     Centennial Dr. W.       197     U     Marsh Rd @ 44       198     U     Marsh Rd @ 46       198     U     Marsh Rd @ 64       198     U     Marsh Rd Gone       200     V     Brand Rd Gone       201     V     Lakeshore exat       2010     V     Lakeshore Wof       202     Z     Lakeshore Wof       203     AL     Lakeshore Rd, ed.       204     AA     Lakeshore Rd, ed.       205     AB     Lakeshore Rd, ed.       206     AB     Lakeshore Rd, ed.       207 <t< td=""><td>oria St at 401</td></t<>	oria St at 401
194a         X         195 Burton St at           195         X         Ridout St, Short           195b         X         Spot by Colf Co.           195b         X         Spot by Colf Co.           195b         X         Spot along empl.           196         W         Centennial Dr. w.           197         U         Marsh Rd @ 45.           198         U         Marsh Rd @ 45.           198         U         Marsh Rd Gend.           200         Y         Baulch Rd Sout           200         Y         Endershore near           201         Y         Lakeshore rear           201         Y         Lakeshore Wof           202         Z         Lakshore Rd. Lakeshore Rd.           202         Z         Lakeshore Rd.           204         AA         Lakeshore Rd. (Lakeshore Rd. (Lak	
195     X     Ridout Sh. Shor       195b     X     Spot by Golf Co.       195b     X     Spot along emplities       196     W     Centennial Dr. W.       197     U     Marsh Rd @ 44       198a     U     Marsh Rd @ 45       198     U     Marsh Rd @ 46       198     U     Marsh Rd @ 46       198     U     Marsh Rd @ 46       200     U     Blauch Rd South       200     V     Stadeshore Marsh       201     V     Lakeshore weth       201     Y     Lakeshore Woth       202     Z     Lakeshore Woth       203     AA     Lakeshore Rd, Cann       204     AA     Lakeshore Rd, Cann       205     AB     Lakeshore Rd, Cann       206     AB     Lakeshore Rd, Cann       207     AA     Lakeshore Rd, Cann       208     AC     Lakeshore Rd, Cann	Bruton St at property line
195a         X         Spot by Coll Co.           195b         X         Spot along emplition           196         W         Centennial Dr. w.           197         U         Marsh R & @ 45.           198a         U         Marsh R & @ 45.           198         U         Marsh R & @ 45.           198         U         Marsh R & @ 45.           198         U         Marsh R & Gene           200         Y         Bauch R & Sout           2010         Y         Lakeshore near           2011         Y         Lakeshore W of           202         Z         Lakeshore W of           202         Z         Lakeshore R, d.           203         AA         Lakeshore R, d.           204         AA         Lakeshore R, d.           205         AB         Lakeshore R, d.           206         AB         Lakeshore R, d.           207         208         AC	out St, Shortt to Victoria
195b X Spot along empl     196 W Centennial Dr.,     197 U Marsh R 4 @ 44     198a U Marsh R 4 @ 45     198a U Marsh R 4 @ 45     198 U Marsh R 4 @ 54     199 U Bauch R 5 South     200 Y Brand R 4 Cann     200 Y Brand R 4 Cann     200 Y I Lakeshore west     201 Y Lakeshore west     201 Y Lakeshore west     201 Y Lakeshore W 5     201 Y Lakeshore W 5     202 Z Lakeshore W 5     203 AA Lakeshore R, 6     206 AB Lakeshore R, 6     206 AB Lakeshore R, 6     206 AB Lakeshore & To     206 AB Lakeshore & To     206 AB Lakeshore R, 6     206 AB Lakeshore R, 6     206 AB Lakeshore & To     208 AC TownLine, noth	t by Golf Course, S. side
197     U Marsh R4 @ 44     198a     U Marsh R4 @ 45     198     Warsh R4 @ 45     198     Warsh R4 Gene     199     U Bauch R4 South     200     Y Brand R4 (Cam     200     Y I Lakeshore west     201     Y Lakeshore west     202     Z Lakshore R4,     Lakeshore R4,     205     AA Lakeshore R4,     206     AB Lakeshore R4,     207     208     AC Lakeshore R4,     307     308	along empty lot, NE Corner
198a         U         Marsh R4 @ 45.           198         U         Marsh R4 Gene           199         U         Baulch R4 Sout           200         Y         Baulch R4 Sout           200         Y         Brand R4 (Cam           201         Y         Lakeshore near           2011         Y         Lakeshore R4           2010         Y         Lakeshore R4           2010         Y         Lakeshore R4           2010         Y         Lakeshore R4           2012         Z         Lakeshore R4           202         Z         Lakeshore R4           204         AA         Lakeshore R4           205         AB         Lakeshore R4, 0           206         AB         Lakeshore R4, 0           207         206         AB         Lakeshore R4, 0           206         AB         Lakeshore R4, 0         207           208         AC         Lakeshore R4, 0         208	tennial Dr, west end
198         U         Marsh R4 Gene           199         U         Bauch R4 South           200         Y         Brand R4 Cam           200         Y         Istand R4 Cam           200         Y         Istand R4 Cam           2010         Y         Lakeshore west           2010         Y         Lakeshore near           2011         Y         Lakeshore near           2012         Z         Lakeshore near           2020         Z         Lakeshore R4           203         AA         Lakeshore R4           204         AA         Lakeshore R4           205         AB         Lakeshore R4           206         AB         Lakeshore R4           207         AC         Lakeshore R4           208         AC         Lakeshore R4	
199         U         Bauch Rof Sout           200         Y         Brand Rd (Zama)           2010         Y         Lakeshore west           2011         Y         Lakeshore mear           2015         Y         Lakeshore west           2016         Y         Lakeshore west           2018         Y         Lakeshore west           2019         Y         Lakeshore west           2010         Y         Lakeshore west           202         Z         Lakeshore Rd, west           203         A         Lakeshore Rd, west           204         AA         Lakeshore Rd, west           205         AB         Lakeshore Rd, west           206         AB         Lakeshore Rd, west           207         208         AC	rsh Rd @ 4534 rsh Rd General, west of Baulch
200a         Y         1144 Birand Rd           201         Y         Lakeshore west           201c         Y         Lakeshore mear           201b         Y         Lakeshore west           201b         Y         Lakeshore Wol           202         Z         Lakshore Rd, wast           203         A         Lakeshore exet           204         AA         Lakeshore Rd, exet           205         AB         Lakeshore Rd, exet           206         AB         Lakeshore Rd, exet           207         AC         Lakeshore Rd, exet	Ich Rd South of Marsh
200a         Y         1144 Brand Rd           201         Y         Lakeshore west           2010         Y         Lakeshore near           2011b         Y         Lakeshore Wol           2012         Y         Lakeshore Wol           202         Z         Lakeshore Rd, was           203         A         Lakeshore Rd, and And Lakeshore Rd, and And Cabeshore Additional Antiperiodic Additional Addite Additiona Additional Additiona Additional Addite Additional Ad	nd Rd (Cameco Pipeline)
201c         Y         Lakeshore near           201b         Y         Lakeshore Wof           201a         Y         Lakeshore Wof           202         Z         Lakshore Rd, was           203         A         Lakeshore near           204         AA         Lakeshore Rd, and           205         AB         Lakeshore Rd, and           206         AB         Lakeshore Rd, and           207         AC         Lakeshore Rd, and           208         AC         Lakeshore Rd, and	4 Brand Rd
201b         Y         Lakeshore west           201a         Y         Lakeshore W of           202         Z         Lakeshore R of           203         AA         Lakeshore R of           204         AA         Lakeshore R of           205         AB         Lakeshore R of           206         AB         Lakeshore R of           206         AB         Lakeshore R of           207         AC         Lakeshore R of           208         AC         TownLine, noth	eshore west of Brand
201a         Y         Laksbore W of           202         Z         Laksbore Rd, w           203         AA         Laksbore Rd, w           204         AA         Laksbore in Po           205         AB         Laksbore, and           206         AB         Laksbore Rd, w           207         AC         Laksbore Rd, w           208         AC         TownLine, north	eshore nearest Brand
202         Z         Lakeshore Rd, w           203         AA         Lakeshore, east           204         AA         Lakeshore Rd, e           205         AB         Lakeshore Rd, e           206         AB         Lakeshore Rd, e           207         AC         Lakeshore Rd, e           208         AC         Townline, north	
203         AA         Lakeshore, east           204         AA         Lakeshore in PO           205         AB         Lakeshore Rd,           206         AB         Lakeshore Rd,           207         AC         Lakeshore & To           208         AC         TownLine, north	esnore vv of bridge, N side shore Rd. west of Haskell
204         AA         Lakeshore in Po           205         AB         Lakeshore Rd, e           206         AB         Lakeshore Rd, o           207         AC         Lakeshore Rd, o           207         AC         Lakeshore Rd, o           208         AC         TownLine, north	
206         AB         Lakeshore         Rd,           207         AC         Lakeshore & To         208         AC         TownLine, north	vsnore, east of Port Britain
206         AB         Lakeshore         Rd,           207         AC         Lakeshore & To         208         AC         TownLine, north	eshore in Port Britain
208 AC TownLine, north	eshore in Port Britain eshore Rd, east of PGWM
	eshore in Port Britain eshore Rd, east of PGWM eshore Rd, East of 205
	eshore in Port Britain eshore Rd, east of PGWM eshore Rd, East of 205 eshore & TownLine, south
	eshore in Port Britain eshore Rd, east of PGWM eshore Rd, East of 205 eshore & TownLine, south vnLine, north
210a AC Lakeshore, east 210b AC Lakeshore, east	eshore in Port Britain eshore Rd, east of PGWM eshore Rd, East of 205 eshore & TownLine, south vnLine, north mLine, north
	eshore in Port Britain eshore Rd, east of PGWM eshore Rd, East of 205 eshore & TownLine, south vnLine, north vnLine, north eshore, east of Townline
	eshore in Port Britain eshore Rd, east of PGWM eshore Rd, East of 205 eshore & TownLine, south vnLine, north mLine, north
	eshore in Port Britain eshore Rd, East of PGWM eshore Rd, East of 205 eshore & TownLine, south wnLine, north wnLine, north eshore, east of Townline eshore, east of Townline
	eshore Ri, east of PGWM eshore Rd, east of PGWM eshore Rd, East of 205 eshore & TownLine, south wnLine, north mLine, north eshore, east of Townline eshore, east of Townline eshore, east of Townline
211 U Brand Rd at Car 212 AE Lakeshore west	eshore Ri, east of PGWM eshore Rd, east of PGWM eshore Rd, East of 205 eshore & TownLine, south inLine, north miLine, north eshore, east of Townline eshore, east of Townline eshore, east of Townline
212 AE Lakeshore west 213 AF Lakeshore east	eshore Rid, east of PGWM eshore Rd, east of PGWM eshore Rd, East of 205 eshore & TownLine, south wnLine, north wnLine, north eshore, east of Townline eshore, east of Townline eshore, east of Townline eshore, east of Townline d Rd at Cameco WWMF
ZIS AF Lakeshore, east	eshore Ri, east of PGWM eshore Rd, east of PGWM eshore Rd, East of 205 eshore & TownLine, south mLine, north meline, north eshore, east of Townline eshore, east of Townline eshore, east of Townline eshore, east of Townline eshore, east of Townline eshore west of Westleryville
	eshore Rid, east of PGWM eshore Rd, east of PGWM eshore Rd, East of 205 eshore & TownLine, south wnLine, north wnLine, north eshore, east of Townline eshore, east of Townline eshore, east of Townline eshore, east of Townline d Rd at Cameco WWMF

## Attachment 5

16 Ralston Drive gamma survey photos







P000 3210 LOCATION 181



P0003211 Location 182

## Attachment 6

Clauses developed by Mores with lawyer Bruce Coleman for prospective buyers

### MEMO RE: CLAUSES FOR AGREEMENT OF PURCHASE AND SALE

The Buyer and Seller are aware of and have information on the Port Hope Area Initiative.

The Buyer acknowledges receipt of and accepts the attached letter of March 1, 2017 from Canadian Nuclear Laboratory in satisfaction of any obligation of the Seller to provide a radiological report.

The Buyer acknowledges being advised of and accepts the elevated radiation readings on the western side of the property and the basement of the home.

The Buyer acknowledges being advised of and accepts the fact that there are elevated radiation readings along the street frontage (which is actually several feet into the front lawn) and that there probably will be extensive excavation to effect remedial work at some as yet unknown future date.

The Buyer acknowledges being advised that there is a Municipal water main replacement project scheduled for Ralston Drive in 2017.