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Addendum/Addenda

No./N°
2

Project Description / Description de projet		
S77 laser Labs Chilled Water System Modifications		
Solicitation No./ N° de sollicitation	Project No./N° de projet	W.O. No./N° d'ordre de travail
16-22099	4060	
Departmental Representative / représentant ministériel	Date	
Allan Smith	2016 Nov 23	

Notice:	**Nota**:
This addendum shall form part of the tender documents and all conditions shall apply and be read in conjunction with the original plans and specifications.	Cet addenda fait partie intégrale des dossiers d'appel d'offres; toutes les conditions énoncées doivent être lues et appliquées en conjonction avec les plans et les devis originaux.

BIDDER'S QUESTIONS

Question: No abatement report or specification issued for this tender, may we assume there is no abatement work included with this tender?
Answer: We do not expect abatement will be required for asbestos, or any other designated substances.

GENERAL INFORMATION

1. Pages from a Desigated Substance Survey by Oakhill Environmental, which pertain to the area of work, are attached to this addendum.
2. The mandatory site visit attendance sheets are attached to this addendum.

End / Fin

NATIONAL RESEARCH COUNCIL CANADA
100 SUSSEX DRIVE
OTTAWA, ONTARIO
K1A 0R6

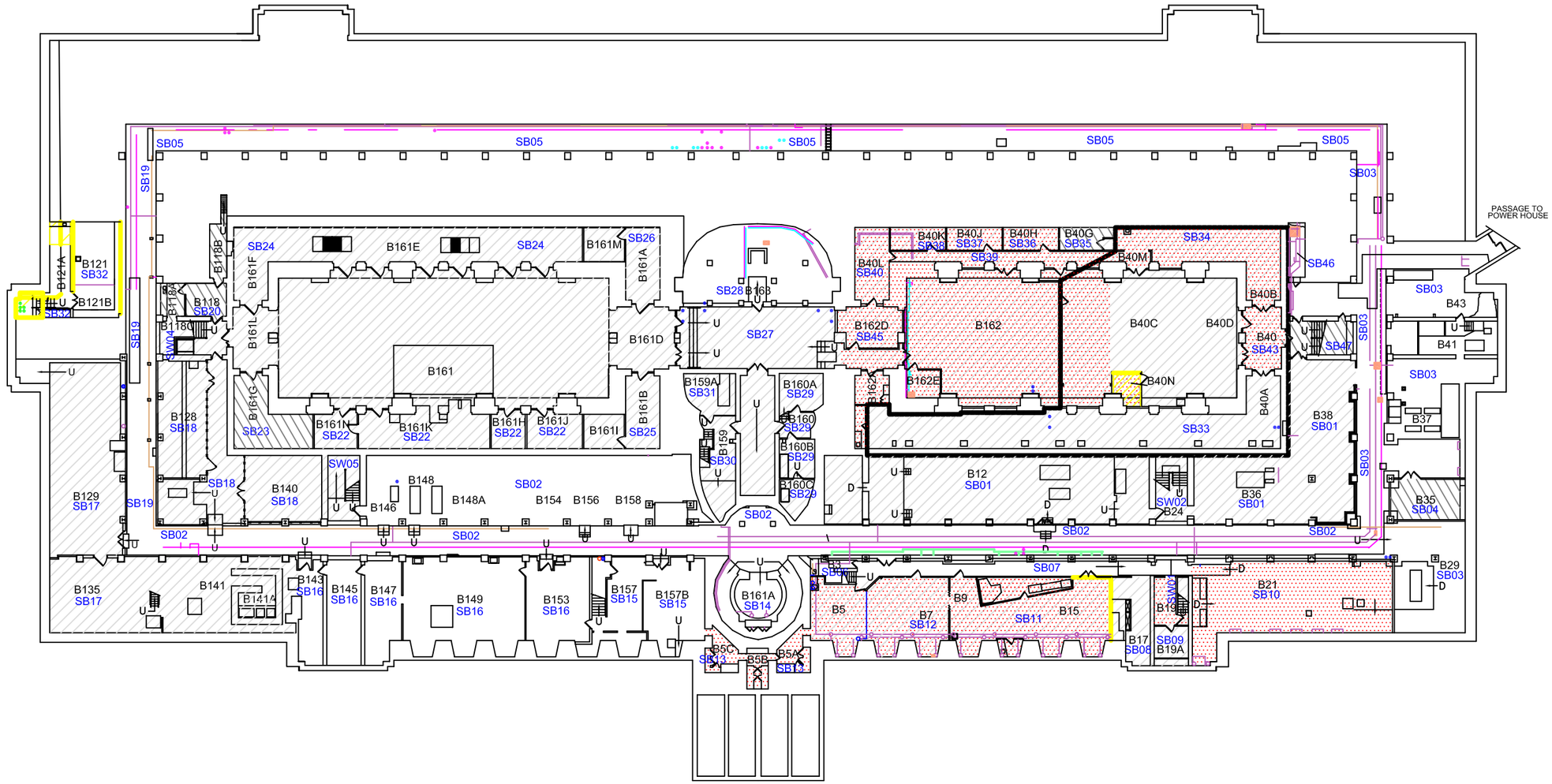
DESIGNATED SUBSTANCES SURVEY
BUILDING S-77
OTTAWA, ONTARIO

Prepared by:

OAKHILL ENVIRONMENTAL

Distribution:
2 copies - National Research Council Canada
1 copy - Oakhill Environmental

August 2007 PR-06-039



LEGEND

- 1001 FUNCTIONAL SPACE #
- INACCESSIBLE AREA
- LIMITED ACCESS AREA
- ACM FLOOR TILE
- ACM DEBRIS
- ACM PIPE INSULATION: STEAM
- ACM PIPE INSULATION: CONDENSATE
- ACM PIPE INSULATION: HW HEATING
- ACM PIPE INSULATION: DOMESTIC CW
- ACM PIPE INSULATION: DOMESTIC HW
- ACM PIPE INSULATION: RIVER WATER
- ACM DUCT INSULATION
- ACM FITTING INSULATION: STEAM
- ACM FITTING INSULATION: CONDENSATE
- ACM FITTING INSULATION: HW HEATING
- ACM FITTING INSULATION: DOMESTIC CW
- ACM FITTING INSULATION: DOMESTIC HW
- ACM FITTING INSULATION: CHILLER
- ACM TRANSITE WALL PANEL
- ACM TRANSITE CEILING TILE

NOTE:
ACM fitting insulation locations are shown only on systems where NON-ACM pipe insulation was found. ONLY ACM ELBOWS are shown. These systems may also have ACM on; t's, valves, ends, hangers, etc.

OAKHILL ENVIRONMENTAL

CLIENT

NATIONAL RESEARCH COUNCIL CANADA
ADMINISTRATIVE SERVICES
AND PROPERTY MANAGEMENT
BUILDING M-19
1200 MONTREAL RD.
OTTAWA, ON, K1A 0R6

PROJECT

DESIGNATED SUBSTANCES SURVEY
BUILDING S-77

PROJECT NO.
PR-06-39

DATE
AUGUST 2007

SCALE
NTS

TITLE
SUB-BASEMENT ASBESTOS LOCATIONS

SHEET
SB-1

Functional Space ID#	Location	Homo. Mat. No.	Material Description and Quantity	Response Measure
	& B161D B161L	26	Fireproofing on the ceiling. – 0.75 m^2	3 Encap
SB27	Cafeteria Foyer & Hallway	05	9" x 9" Floor Tile on the floor. – 96 m^2	O&M
SB28	Rm. B163	03	MagBlock Pipe Insulation on the steam system. – 11 LM	O&M
		02	Mud Joint Compound Fitting Insulation on the steam system. – 5 Units	O&M
		03	MagBlock Pipe Insulation on the condensate system. – 10 LM	O&M
		02	Mud Joint Compound Fitting Insulation on the condensate system. – 5 Units	O&M
		02	Mud Joint Compound Fitting Insulation on the condensate system. – 2 Units	2 Encap
		02	Mud Joint Compound Fitting Insulation on the condensate system. – 1 Unit	Removal
		02	Mud Joint Compound Fitting Insulation on the steam system. – 1 Unit	1 Encap
		03	MagBlock Pipe Insulation on the condensate system. – 0.2 LM	2 Encap
		03	MagBlock Pipe Insulation on the steam system. – 0.4 LM	3 Encap
		18	Mud Joint Compound Fitting Insulation on the domestic cold water system. – 7 Units	O&M
		17	Aircell Pipe Insulation on the hot water heating system. – 9 LM	O&M
		17	Aircell Pipe Insulation on the hot water heating system. – 1 LM	7 Encap
		17	ACM Debris (Aircell Pipe Insulation) on the duct system. – 0.25 m^2	Clean-up
SB32	Rms. B121 & B121A including stairwell	10	Transite Panel on ceiling. – 31 m^2	O&M
		10	Transite Panel on walls – 89 m^2	O&M
		10	Transite Panel on wall. – 0.4 m^2	4 Removals
		17	Aircell Pipe Insulation on the hot water heating system. – 4 LM	O&M
		02	Mud Joint Compound Fitting Insulation on the hot water heating system. – 1 Unit	O&M
		02	Mud Joint Compound Fitting Insulation on the hot water heating system. – 1 Unit	1 Encap
		18	Mud Joint Compound Fitting Insulation on the chiller system. – 5 Units	O&M
SB33	Rm. B40A	05	9" x 9" Floor Tile on the floor. – 14 m^2	O&M
		18	Mud Joint Compound Fitting Insulation on the domestic cold water system. – 4 Units	O&M
SB34	Rm. B40B	05	9" x 9" Floor Tile on the floor. – 54 m^2	O&M
SB36	Rm. B40H	05	9" x 9" Floor Tile on the floor. – 10 m^2	O&M
SB37	Rm. B40J	05	9" x 9" Floor Tile on the floor. – 10 m^2	O&M
SB38	Rm. B40K	05	9" x 9" Floor Tile on the floor. – 10 m^2	O&M
		17	Aircell Pipe Insulation on the hot water heating system. – 5 LM	O&M
		02	Mud Joint Compound Fitting Insulation on the hot water heating system. – 2 Units	O&M
		17	Aircell Pipe Insulation on the hot water heating system. – 0.2 LM	2 Encap
SB39	Rm. B40M (Hallway)	05	9" x 9" Floor Tile on the floor. – 27 m^2	O&M
		17	Aircell Pipe Insulation on the hot water heating system. – 1 LM	O&M
SB40	Rm. B40L	05	9" x 9" Floor Tile on the floor. – 20 m^2	O&M
		17	Aircell Pipe Insulation on the hot water heating system. – 4 LM	O&M
		02	Mud Joint Compound Fitting Insulation on the hot water heating system. – 5 Units	O&M

Building: S-77 **Date:** May 9, 2007 **Job #:** PR-06-039	**Notes:** 1) Samples S77-L1, S77-L2, S77-01A and S77-07 were collected in this area. 2) All ACM's were observed to be in good condition. 3) Mould was observed on the chiller pipe insulation in four locations. 4) The only access above the solid ceiling was a damaged area (large hole in ceiling) in the south-east corner. Above the ceiling area, ACM's were observed in various locations on mechanical systems (piping). No assessment of these materials was conducted due to the limited access.	**Functional Space (FS) #:** SB01 **FS Area:** Rms. B12, B24, B36 & B38 **Inspector:** BM & RT

Building Materials				**ACM Assessment**											**Report Reference**	
Location	Homg. Material #	Material Description	System	ACM Y/N	Fri-able Y/N	ACM Type	Qty.	Condition			Access			Response / Comments	Dwg. #	Photo #
								G	F	P	A	B	C			
Floor	NA	Concrete	Floor	N	--	--	--	--	--	--	--	--	--	--	--	--
Walls	NA	Concrete	Wall	N	--	--	--	--	--	--	--	--	--	--	--	--
	NA	Brick	Wall	N	--	--	--	--	--	--	--	--	--	--	--	--
Ceiling	01	Plaster (cementitious)	Ceiling	N	--	--	--	--	--	--	--	--	--	--	--	--
Above ceiling	NA	Limited access	--	--	--	--	--	--	--	--	--	--	--	See notes	--	--
Other	03	MagBlock PI	HWH	Y	Y	25% Chrysotile 30% Amosite	3 LM	X	--	--	--	X	--	O & M	S-1	--
	NA	FG PI & FI	All	N	--	--	--	--	--	--	--	--	--	Newer Installations	--	--
	07	Thermal patch	Ceiling	N	--	--	--	--	--	--	--	--	--	--	--	--
	NA	Mould	Chiller	N	--	--	--	--	--	--	--	--	--	4 locations	S-3	M2, M5-M7

Criteria for <u>Access</u> to an area containing ACM:
***A**: All building occupants may have access to this area*
***B**: Restricted to building staff only*
***C**: Areas of the building behind walls or ceiling system*

Criteria for <u>Condition</u> of an ACM:
G: ACM is in GOOD condition; No damage
F: ACM is in FAIR condition; Less than 2% damage
P: ACM is in POOR condition; Greater than 2% damage

MJC: Mud Joint Compound
PI: Pipe Insulation
FI: Fitting Insulation
FG: Fibreglass

Building: S-77 **Date:** May 29, 2007 **Job #:** PR-06-039	**Notes:** 1) No access above plaster ceiling. 2) All ACM's were observed to be in good condition below the plaster ceiling.	**Functional Space (FS) #:** SB33 **FS Area:** Rm. B40A **Inspector:** BM & RT

Building Materials				**ACM Assessment**											**Report Reference**	
Location	Homg. Material #	Material Description	System	ACM Y/N	Fri-able Y/N	ACM Type	Qty.	Condition			Access			Response / Comments	Dwg. #	Photo #
								G	F	P	A	B	C			
Floor	NA	Terrazzo	Floor	N	--	--	--	--	--	--	--	--	--	--	--	--
	01	Plaster	Floor	N	--	--	--	--	--	--	--	--	--	--	--	--
	NA	Wood Panel	Floor	N	--	--	--	--	--	--	--	--	--	--	--	--
	05	9" x 9"FT	Floor	Y	N	2% Chrysotile	14 m^2	X	--	--	--	X	--	O & M	S-1	--
Ceiling	01	Plaster	Ceiling	N	--	--	--	--	--	--	--	--	--	--	--	--
Above ceiling	NA	No access	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Other	18	MJC FI	DCW	Y	Y	40% Chrysotile	4 units	X	--	--	--	X	--	O & M	S-1	--
	NA	FG PI & FI	All	N	--	--	--	--	--	--	--	--	--	Newer Installation	--	--

Criteria for <u>Access</u> to an area containing ACM:
***A**: All building occupants may have access to this area*
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Mandatory Site Visit Attendance / Visite de chantier obligatoire

Project Description / Description de projet				Closing Date	Closing time
S77- Modify Laser Labs Chilled Water System				December 1, 2016	2:00 PM
Solicitation No./N° de solicitation	Project No./No de projet			1st Showing	Showing Time
16-22099				November 14, 2016	
Departmental Representative / représentant — Signature		Alternate/Questions deadline	Addendum Deadline	2nd Showing	9:00 AM
Allan Smith		November 21, 2016	November 23/ 12:00	November 16, 2016	

COMPANY/COMPAGNIE	NAME/NOM	SIGNATURE	PHONE/TELEPHONE	FAX/TELECOPIEUR	EMAIL/COURRIEL
GALILEC CONTRACTING	RAFIK OUDJIDA	RO	613 834 0709	613 830 3338	RAFIK@GALILECCONTRACTING.COM

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Mandatory Site Visit Attendance / Visite de chantier obligatoire

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S77- Modify Laser Labs Chilled Water System				December 1, 2016	2:00 PM
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Departmental Representative / représentant Allan Smith	Signature	Alternate/Questions deadline November 21, 2016	Addendum Deadline November 23/ 12:00	2nd Showing ~~November 16, 2016~~	9:00 AM

COMPANY/COMPAGNIE	NAME/NOM	SIGNATURE	PHONE/TELEPHONE	FAX/TELECOPIEUR	EMAIL/COURRIEL
TPH	Luc Taillefer		613-745-0100	613-745 9060	LucTaillefer@tphinc.ca
Black & McDonald	Mathieu L'Écuyer		613-526-1226	613-526-1288	MLecuyer@blackandmcdonald.com
Hydro Ottawa	Mark Schell		613-809-0946		markschell@hydroottawa.com
"	IMRAN EBRAHIM		613 400 4674		imranebrahim@hydroottawa.com
C & G Plg & Htg	PAUL GRANVILLE		613-744-2566	613-744-8970	PAUL@cgplumbing.ca
3V Mechanical	Jesse Varve		613-720-4772		jesse@3vmechanical.ca