

The 25th of May 2020

Project No.: SES20892

University of Lethbridge 4401 University Drive West Lethbridge, AB T1K 3M4

Attention: Michael Pinder

Re: Asbestos Abatement Monitoring Services, University of Lethbridge, University Hall, Level 8 block D and E, Offices D864, E870, E880, E882, E886, E876, E878, E888, E890, E892.

Sherlock Environmental Services Ltd. (Sherlock Environmental) was commissioned by Michael Pinder of the University of Lethbridge, to carry out abatement monitoring and inspection at the above noted location.

The scope of the project included: low-risk removal of DWJC from sills and or header in offices D864, E880, E878, E882, E886, E888, E890 and moderate-risk removal of DWJC from walls in offices E870, E876, E892. Analysis of the air samples provided a final clearance result of <0.01 fibres/cc which is within the specified allowable clearance airborne fibre concentration limit of 0.01 fibres/cc.

The asbestos project was carried out by OnSide Restoration Inc. of Lethbridge, Alberta, from May 6th to May 20th, 2020. All work performed on these dates was carried out in accordance with the *Alberta Occupational Health and Safety Act, Chemical Hazards Regulation, 393/88,* and followed the acceptable practices set out in the *Alberta Labour, Asbestos Abatement Manual.* Project notification was submitted to Alberta Workplace Health and Safety.

Details of the project and air monitoring results are provided on the Asbestos Monitoring Reports (Attached).

We would like to thank you for the opportunity to assist you with this project. Please do not hesitate to call us if you have any questions.

Yours very truly,

SHERLOCK ENVIRONMENTAL SERVICES LTD.

Megan Aldous

Megan Aldous Operations Manager

LOCATION: UofL Block D&E		DATE:	06-May-2020	
4401 University Drive W.				
CLIENT: University of Lethbridge		JOB#	SES20892	
BRIEF DESCRIPTION OF WORK SCOPE:				
Low risk removal of DWJC in rooms D864	, E866, E8	70, E878, E880, E882, E886, E	.888.	
Daily Tool Box (y/n/na)				
Site Condition General Review				
Active Containment	Ν	Safety Boots	Y	
Heights	Ν	Hard Hat	Ν	
Confined Spaces	Ν	Safety Glasses	Ν	
Work Alone	Ν	Safety Vest	Ν	
Asbestos	Y	Respirator	Y	
Mould	Ν	Site Orientation	Ν	
Chemicals (i.e. Spray Glue, Contaminants):				
Other Hazards (i.e. Slip, Trip, Fall, Heavy Equip	oment):			
OBSERVATIONS AND WORK ORDERS:				
15:05 Pre con of low risk containment com	npleted (no	o issues). Crew to begin remov	al tomorrow.	
Low risk containment rooms include: D864, E666, E870, E878, E880, E882, E886, E888. Crew off				
site.				





LOCATION: UofL Block D&E		DATE:	13-May-2020		
4401 University Drive W.					
CLIENT: University of Lethbridge		JOB#	SES20892		
BRIEF DESCRIPTION OF WORK SCOPE:					
Moderate-risk removal of DWJC in rooms	E870 and	E892.			
Daily Tool Box (y/n/na)					
Site Condition General Review					
Active Containment	Ν	Safety Boots	Y		
Heights	Ν	Hard Hat	N		
Confined Spaces	Ν	Safety Glasses	N		
Work Alone	N	Safety Vest	N		
Asbestos	Y	Respirator	Y		
Mould	N	Site Orientation	N		
Chemicals (i.e. Spray Glue, Contaminants):					
Other Hazards (i.e. Slip, Trip, Fall, Heavy Equi	ipment):				
OBSERVATIONS AND WORK ORDERS:					
13:35 Pre inspection completed in rooms	E870 and	E892. A few breaches in drywal	l around piping		
in both rooms (corrected). Containment is	s moderate	e-risk with two stage DCU, neg	air in each		
room. Crew starting room E870 today.					
16:15 Final inspection completed in room E870. Small amount of debris in void space					
(corrected). Crew ok to glue out. Removal in room E892 to begin tomorrow.					



LOCATION: UofL Block D&E		DATE:	14-May-2020
4401 University Drive W.			
CLIENT: University of Lethbridge		JOB#	SES20892
BRIEF DESCRIPTION OF WORK SCOPE:			
Moderate-risk removal of DWJC in rooms	E870 and	d E892.	
Daily Tool Box (y/n/na)			
Site Condition General Review			
Active Containment	Ν	Safety Boots	Y
Heights	Ν	Hard Hat	Ν
Confined Spaces	Ν	Safety Glasses	Ν
Work Alone	Ν	Safety Vest	Ν
Asbestos	Y	Respirator	Y
Mould	Ν	Site Orientation	Ν
Chemicals (i.e. Spray Glue, Contaminants):			
Other Hazards (i.e. Slip, Trip, Fall, Heavy Equip	ment):		
OBSERVATIONS AND WORK ORDERS:			
9:55 Crew starting bulk removal, expected	l to glue	out this afternoon. Neg air and	seals good.
Clearance sample in E870 started.	-	-	-
·			
13:00 Completed post-removal inspection in E892. R	eauested re	emoval of the metal corner bead along t	the sill of the

13:00 Completed post-removal inspection in E892. Requested removal of the metal corner bead along the sill of the window be removed (observed DWJC and suspected mould), requested the radiator fins be cleared of drywall debris, better cleaning of debris from the window sill framing and requested removal of the remaining \sim 1.5 x 2 piece of drywall in the Southeast corner due to suspected visual mould.

14:30 Completed second post-removal inspection in E892. Above noted discrepancies corrected. Requested crew remove the observed DWJC from the window sill (corrected). Good to glue out.

15:45 Informed Neil from OnSide that the containment in E870 returned below clearance levels and can be torn down.



LOCATION: UofL Block D&E			DATE:	15-May-2020
4401 University Drive W.				
CLIENT: University of Lethbridge			JOB#	SES20892
BRIEF DESCRIPTION OF WORK SCOP	'E:			
Moderate-risk removal of DWJC in ro	om E876.			
Daily Tool Box (y/n/na)				
Site Condition General Review				
Active Containment	N	Safety Boots		Y
Heights	N	Hard Hat		Ν
Confined Spaces	N	Safety Glasses		Ν
Work Alone	N	Safety Vest		Ν
Asbestos	Y	Respirator		Y
Mould	N	Site Orientation		Ν
Chemicals (i.e. Spray Glue, Contaminants	s):			
Other Hazards (i.e. Slip, Trip, Fall, Heavy	Equipment):			

OBSERVATIONS AND WORK ORDERS:

9:05 neg air and seals visually good. Crew starting bulk removal in room E876. Containment is moderate-risk with two stage DCU.

11:30 Crew continuing bulk removal in room E876. Crew offsite early for lunch.

16:30 Crew was not able to complete bulk removal before end of day. Abatement will continue Tuesday May 19th (due to long weekend, and crew availability). Sherlock will stop by daily to confirm containment integrity. OnSide crew removed waste bags and did a vacuum of the containment prior to weekend break.



			16-May-2020		
4401 University Drive W		DATE.	10-May-2020		
CLIENT: University of Letheridge		10P#	55520902		
		JOB#	SES20892		
BRIEF DESCRIPTION OF WORK SCOPE:	76				
Moderate-risk removal of DWJC in room E8	/6.				
Daily Tool Boy (y/n/na)					
Dally Tool Box (y/II/IIa)					
Active Containment	NI	Safaty Boots	V		
Active Containment		Salety Bools	<u>t</u>		
Confined Crasses			N		
Work Alone		Safety Glasses	N		
Achectec		Bachirator	<u> </u>		
Aspesios	T NI	Site Orientation	<u>t</u>		
Mould Chamicals (i.e. Spray Glue, Contaminants):	IN	Site Orientation	IN		
chemicals (i.e. spray Glue, contaminants).					
Other Hazards (i.e. Slip, Trip, Fall, Heavy, Equipr	mont).				
	nent).				
OPSEDVATIONS AND WORK OPDERS					
OBSERVATIONS AND WORK ORDERS:					
13:00 Visually confirmed containment neg air and seals were in good condition. No issues.					
Informed Mike (UofL)					



LOCATION: UofL Block D&E		DATE:	17-May-2020
4401 University Drive W.			,
CLIENT: University of Lethbridge		JOB#	SES20892
BRIEF DESCRIPTION OF WORK SCOPE:			
Moderate-risk removal of DWJC in room E8	376.		
Daily Tool Box (y/n/na)			
Site Condition General Review			
Active Containment	Ν	Safety Boots	Y
Heights	Ν	Hard Hat	Ν
Confined Spaces	Ν	Safety Glasses	Ν
Work Alone	Ν	Safety Vest	Ν
Asbestos	Y	Respirator	Y
Mould	Ν	Site Orientation	Ν
Chemicals (i.e. Spray Glue, Contaminants):			
Other Hazards (i.e. Slip, Trip, Fall, Heavy Equip	ment):		
OBSERVATIONS AND WORK ORDERS:			
15:30 Observed a small breach inside conta	ainment	on door to E872. Re-sealed doo	r. Neg air
good. Informed Mike about the small breac	h and no	o additional issues.	



LOCATION: UofL Block D&E		DATE:	18-May-2020	
4401 University Drive W.			-	
CLIENT: University of Lethbridge		JOB#	SES20892	
BRIEF DESCRIPTION OF WORK SCOPE:				
Moderate-risk removal of DWJC in room E8	76.			
Daily Tool Box (y/n/na)				
Site Condition General Review				
Active Containment	Ν	Safety Boots	Y	
Heights	Ν	Hard Hat	Ν	
Confined Spaces	Ν	Safety Glasses	Ν	
Work Alone	Ν	Safety Vest	Ν	
Asbestos	Y	Respirator	Y	
Mould	Ν	Site Orientation	Ν	
Chemicals (i.e. Spray Glue, Contaminants):				
Other Hazards (i.e. Slip, Trip, Fall, Heavy Equipr	ment):			
OBSERVATIONS AND WORK ORDERS:				
12:40 Completed visual inspection of conta	inment i	in E876. No issues and door held	l up overniaht.	
Neg air pressure good.				



LOCATION: UofL Block D&E		DATE:	19-May-2020			
4401 University Drive W.			,			
CLIENT: University of Lethbridge		JOB#	SES20892			
BRIEF DESCRIPTION OF WORK SCOPE:						
Moderate-risk removal of DWJC in room E8	376.					
Daily Tool Box (y/n/na)						
Site Condition General Review						
Active Containment	Ν	Safety Boots	Y			
Heights	Ν	Hard Hat	N			
Confined Spaces	Ν	Safety Glasses	N			
Work Alone	Ν	Safety Vest	N			
Asbestos	Y	Respirator	Y			
Mould	Ν	Site Orientation	N			
Chemicals (i.e. Spray Glue, Contaminants):						
Other Hazards (i.e. Slip, Trip, Fall, Heavy Equip	ment):					
OBSERVATIONS AND WORK ORDERS:						
8:00 Crew continuing bulk removal in F876	. Expect	ing to glue out today.				
eree eren containing built removal in Eoror Expecting to glue out today.						
13:50 Noted debris in containment around room edges, on ele	ectrical fram	nework and on ceiling wood framework above	window. Observed dw			
wood framing on window sill, ceiling edges and containment e	entrance. In	the void space below the window (behind the	removed drywall) the			
was a large opening in the builiding structure (sealed). Penetr	ation opene	ed into office E892 (due to the removed drywa	ll from the previous			
moderate-risk containment in room E892) and an air monitor	was placed	in the office. A neg air was currently operatio	nal in E892 as the pric			
containment had been cleared but not torn down 14.50 Completed second post-removal insr	nection i	n F876 All descrenancies correc	ted and crew is			
and to alue-out		in Eoro: An descrepancies correc				



LOCATION: UofL Block D&E		DATE:	20-May-2020		
4401 University Drive W.					
CLIENT: University of Lethbridge		JOB#	SES20892		
BRIEF DESCRIPTION OF WORK SCOPE:					
Low-risk removal of DWJC in office E890.					
Daily Tool Box (y/n/na)					
Site Condition General Review					
Active Containment	Ν	Safety Boots	Y		
Heights	Ν	Hard Hat	Ν		
Confined Spaces	Ν	Safety Glasses	Ν		
Work Alone	Ν	Safety Vest	Ν		
Asbestos	Y	Respirator	Y		
Mould	Ν	Site Orientation	Ν		
Chemicals (i.e. Spray Glue, Contaminants):					
Other Hazards (i.e. Slip, Trip, Fall, Heavy Equipn	nent):				
OBSERVATIONS AND WORK ORDERS:					
9:00 Discussed set-up in A490 with Neil from OnSide. Confirmed low-risk requiring set-up and					
completion in E890 (expected to be completed this afternoon). Could not start clearance samples					
in E896 as OnSide did not glue-out yesterday (inspection completed but not glueout). Glue-out					
completed this morning and clearances to be run this afternoon.					
12:10 Crew waiting on poly to go dirty after lunch on E890.					
16:40 Final Inspection completed on office I		quested corner bead be remove	d		
(completed) Ok to alue out			4		
(completed) on to glue out					







ASBESTOS INSPECTION AIR MONITORING RESULTS

LOCATION:	UofL Block D&E				DA	TE(S):	May	7-20, 2020
	4401 University Drive W.						-	
CLIENT:	University of Lethbridge				JO	B No.:	S	ES20892
AIR MONITC	RING RESULTS (METHOD	DETEC	TION I	LIMIT I	IS 0.01	fibres	/cc)	
Sample No.	Location	On	Off	Min	L/Min	Vol	Count	f/cc
		07-May	/-2020					
20892-1	D864 Low Risk	8:55	11:50	175	11	1925	1.5	0.00038
20892-2	E870 Low Risk	9:00	11:50	170	11	1870	4	0.00105
20892-3	Hallway Outside E878	11:55	16:30	275	11	3025	3	0.00049
20892-4	E880 Low Risk	11:55	16:30	275	11	3025	1	0.00016
20892-5	E882 Low Risk	11:55	16:30	275	11	3025	1	0.00016
20892-6	E886 Low Risk	11:55	16:30	275	11	3025	7	0.00113
20892-7	Hallway Outside of E888	11:55	16:30	275	11	3025	2	0.00032
20892-8	Field Bank			0		0	n.d.	0.00000
		13-May	/-2020	_	-	-		-
20892-9	E870 DCU	13:45	16:30	165	11	1815	1	0.00027
20892-10	Hallway O/S E870 (Occupied Space)	13:45	16:30	165	11	1815	n.d.	0.00000
		14-May	/-2020		-	-		
20892-11	E892 DCU	9:40	14:45	305	11	3355	4	0.00058
20892-12	Hallway Outside E892	9:40	14:45	305	11	3355	2	0.00029
20892-13	E870 FINAL	9:45	13:05	200	11	2200	n.d.	0.00000
20892-14	Hallway Outside E872	13:10	14:45	95	11	1045	n.d.	0.00000
		15-May	/-2020		-	-	-	
20892-15	E892 FINAL	8:55	11:20	145	11	1595	n.d.	0.00000
20892-16	E874 DCU	8:55	11:20	145	11	1595	n.d.	0.00000
20892-17	E872 Office	8:55	11:20	145	11	1595	1.5	0.00046
20892-18	Hallway Outside E872	8:55	11:20	145	11	1595	2.5	0.00077
20892-19	Field Bank			0		0	n.d.	0.00000
20892-20	E874 DCU	11:25	16:30	305	11	3355	1	0.00015
20892-21	E872 Office	11:25	16:30	305	11	3355	2	0.00029
20892-22	Hallway Outside E872	11:25	16:30	305	11	3355	2	0.00029
		19-May	/-2020	1	1	1	-	
20892-23	E874 DCU	7:50	16:30	520	11	5720	2	0.00017
20892-24	Hallway Outside E872	7:50	16:30	520	11	5720	9	0.00077
20892-25	E872 Office	7:50	16:30	520	11	5720	3.5	0.00030
20892-26	E878 Office Adjacent to E874 Cont.	8:15	17:45	570	11	6270	5.5	0.00043
20892-27	E892 Office	14:10	16:30	140	11	1540	1.5	0.00048
20892-28	Field Blank			0		0	n.d.	0.00000
		20-May	/-2020	T	T	1	-	
20892-29	E874 FINAL	11:55	16:35	280	11	3080	0.5	0.0008
20892-30	E890 Office	12:00	16:35	275	11	3025	3	0.00049
20892-31	E892 Office	12:00	16:35	275	11	3025	n.d.	0.00000
20892-32	Hallway Outside E890	12:00	16:35	275	11	3025	3	0.00049
20892-33	E888 Office	12:00	16:35	275	11	3025	2	0.00032

*Note: n.d. indicates no fibres detected in the analyzed sample

