



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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Eric J. Holcomb
Governor

Brian C. Rockensuess
Commissioner

July 2, 2024

VIA ELECTRONIC MAIL

Mr. Chris Zumbaugh
Purdue University
2215 Alvord Street
Indianapolis, IN 46205
czumbauh@starenv.net

Re: Inspection Summary Letter
Purdue University Lilly Hall of Life Sciences
West Lafayette, Tippecanoe County

Dear Mr. Chris Zumbaugh:

On June 26, 2024, a representative of the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ), conducted an inspection of the Purdue University Lilly Hall of Life Sciences, 915 West Mitch Daniels Boulevard in West Lafayette, Indiana to determine compliance with Indiana's asbestos rules. This inspection was conducted pursuant to IC 13-14-2-2. For your information, and in accordance with IC 13-14-5, a summary of the inspection is provided below:

Inspection Type: Routine Demolition/Renovation Project
Inspection Results: No violations were observed

Please direct any questions to me at 317-233-6880 or by email at jcleveng@idem.in.gov.

Sincerely,

John Clevenger, Compliance Inspector
Compliance Section 3
Office of Air Quality

ACES ID: 297722 299134

ENCLOSURE

cc: John Clevenger, Compliance and Enforcement Branch, Office of Air Quality
Mr. Ryan Tyson, Purdue University, 775 Ahlers Drive, West Lafayette, IN 47903,
rmtyson@purdue.edu

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
ASBESTOS FIELD INSPECTION REPORT**



SITE INFORMATION	
SITE NAME/DESCRIPTION	Purdue University Lilly Hall of Life Sciences
SITE LOCATION	915 West Mitch Daniels Boulevard, West Lafayette, Indiana Tippecanoe County

NOTIFICATION INFORMATION			
NOTIFICATION RECEIVED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ORIGINAL DATE RECEIVED: Unknown	
STRIPPING/REMOVAL DATES	6/6/2024 to 8/31/2024	DEMOLITION DATES	to
CONTRACTOR INFORMATION	Mr. Chris Zumbaugh, Purdue University, 2215 Alvord Street, Indianapolis, IN 46205, czumbauh@starenv.net		
OWNER INFORMATION	Mr. Ryan Tyson, Purdue University, 775 Ahlers Drive, West Lafayette, IN 47903, rmtyson@purdue.edu		

INSPECTION INFORMATION			
INSPECTED BY	John Clevenger		
INSPECTION DATE AND TIME	June 26, 2024	TIME IN: 10:30	TIME OUT: 11:25
REPORTED BY	John Clevenger	REPORT DATE: July 2, 2024	
INSPECTION OBJECTIVE(S)	<input checked="" type="checkbox"/> Renovation <input type="checkbox"/> Emergency Renovation <input type="checkbox"/> Complaint <input type="checkbox"/> Demolition <input type="checkbox"/> Ordered Demolition <input type="checkbox"/> Other:		
ACES TRACKING NUMBER(S)	Notification/General Inspection: 297722/299134		
	Complaint:	Violation/Warning:	
RM TRACKING NUMBER(S)	Complaint:		
PROJECT STATUS	Abatement completed.		

PERSONNEL INTERVIEWED				
Name	Company	Title	Phone Number	Email Address
Ryan Tyson	Purdue University	Project Manager	765-426-7916	rmtyson@purdue.edu

OBSERVATIONS					
GENERAL SITE OBSERVATIONS					
Description of area(s) inspected and location of material(s): Abatement completed.					
Pre-existing contamination in work area	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Not Observed	<input type="checkbox"/> N/A	
Contractor equipment on site	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Not Observed	<input type="checkbox"/> N/A	
Asbestos removal in progress	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Not Observed	<input type="checkbox"/> N/A	
Accreditation cards available for inspection	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Observed	<input checked="" type="checkbox"/> N/A	
ABATEMENT					
Asbestos removal clearly observed	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Observed	<input checked="" type="checkbox"/> N/A	
If yes, from where:	<input type="checkbox"/> Through viewing ports <input type="checkbox"/> By entering enclosures <input type="checkbox"/> Direct observation (No enclosures)				
Estimated amounts of RACM removed/disturbed	0 linear feet	800 square feet			
	0 cubic feet	0 % of total			
Abatement method(s) observed:	<input type="checkbox"/> Wetting and stripping <input type="checkbox"/> Unit/Sectional <input type="checkbox"/> Glovebag method <input type="checkbox"/> Dry				
ISOLATION					
Warning signs displayed outside work area	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Observed	<input checked="" type="checkbox"/> N/A	
Objects within work area covered	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Observed	<input checked="" type="checkbox"/> N/A	
Evidence of water in containment	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Observed	<input checked="" type="checkbox"/> N/A	
ASBESTOS WASTE HANDLING					
Stripped asbestos adequately wet	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Observed	<input checked="" type="checkbox"/> N/A	
Stripped asbestos placed in leak tight wrapping	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Observed	<input checked="" type="checkbox"/> N/A	
Waste bags labeled with generator and warning labels	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Observed	<input checked="" type="checkbox"/> N/A	
Any visible emissions	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Not Observed	<input type="checkbox"/> N/A	
CLEANING					
Work area clear of visible signs of asbestos material	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Observed	<input type="checkbox"/> N/A	
Plastic sheeting disposed of as asbestos waste	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Not Observed	<input type="checkbox"/> N/A	
Area wet wiped/HEPA vacuumed	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Observed	<input type="checkbox"/> N/A	
Final visual inspection completed	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Observed	<input type="checkbox"/> N/A	
STORAGE					
Material remaining on site securely stored	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Observed	<input checked="" type="checkbox"/> N/A	
Warning signs/labels posted outside storage area	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Observed	<input checked="" type="checkbox"/> N/A	
ASBESTOS WASTE DISPOSAL					
Waste disposed of at an approved landfill	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Not Observed	<input type="checkbox"/> N/A	
Name and location of landfill					
ACM AMOUNTS					
If violation(s) noted, estimated amount of ACM involved:					
ADDITIONAL COMMENTS					
Upon arrival at the Life Sciences Building on the Purdue campus, I met with Mr. Ryan Tyson with Purdue University. Mr. Tyson informed me that the abatement was complete and the abatement crew was not on site. The work area was completely checked for suspect asbestos containing asbestos debris and none was observed.					
SAMPLE INFORMATION					
Sample ID	Photo No.	Sample Location/Description	Chain of Custody Complete	Sent to Lab	Results

			<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	...	
ADDITIONAL SAMPLING COMMENTS					
None					

INSPECTION FINDINGS	
<input checked="" type="checkbox"/> No violations were observed or determined at the time of the inspection.	
RECOMMENDED ACTION	Issue inspection summary letter.
EXIT INTERVIEW	I explained my findings, recommendations, and conclusions with Mr. Tyson prior to exiting the site. .

ATTACHMENTS	
<input type="checkbox"/> None <input checked="" type="checkbox"/> Notification(s) <input type="checkbox"/> List of licensed personnel <input type="checkbox"/> Other:	

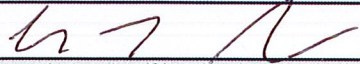


NOTIFICATION OF DEMOLITION AND RENOVATION OPERATIONS

State Form 44593 (R3 / 9-18)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

I. TYPE OF NOTIFICATION (check one):		<input checked="" type="checkbox"/> Original	<input type="checkbox"/> Revised	<input type="checkbox"/> Canceled	<input type="checkbox"/> Courtesy
II. FACILITY INFORMATION					
Owner / Operator: Purdue University					
Address: 775 Ahlers Drive			City: West Lafayette		State: IN ZIP: 47903
Contact: Ryan Tyson			Telephone: 765-426-7916		E-mail: rmtyson@purdue.edu
Asbestos Removal Contractor: Star Environmental, Inc.			Demolition Contractor: NA		
Address: 2215 Alvord Street			Address:		
City: Indianapolis	State: IN	ZIP: 46205	City:	State:	ZIP:
Contact: Chris Zumbaugh	Telephone: 317-294-2235		Contact:	Telephone:	
E-mail: czumbaugh@starenv.net			E-mail:		
IN License Number: 190106071		Expiration: 07/12/2024			
Licensed Asbestos Inspector: Jeremy Malcom			Project Designer: NA		
Address: 130 E. Washington Street			Address:		
City: Indianapolis	State: IN	ZIP: 46204	City:	State:	ZIP:
Contact: Jeremy Malcom	Telephone: 317-750-9504		Contact:	Telephone:	
E-mail: JMalcom@tandmassociates.com			E-mail:		
IN License Number: 19A001700		Expiration: 01/12/2024		IN License Number:	
				Expiration:	
III. TYPE OF OPERATION					
<input type="checkbox"/> Demolition	<input checked="" type="checkbox"/> Renovation	<input type="checkbox"/> Ordered Demolition	<input type="checkbox"/> Emergency Renovation	<input type="checkbox"/> Intentional Burning	
IV. IS ASBESTOS PRESENT? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
V. PROCEDURES / ANALYTICAL METHODS USED TO DETECT THE PRESENCE AND AMOUNT OF ASBESTOS MATERIALS					
PLM analysis of bulk samples.					
VI. APPROXIMATE AMOUNT OF ASBESTOS TO BE REMOVED AND/OR NOT TO BE REMOVED					
	Regulated ACM to be removed	Nonfriable Asbestos Material to be removed		Nonfriable Asbestos Material NOT to be removed	
		Category I	Category II	Category I	Category II
Pipes (Ln. Ft.)					
Surface Area (Sq. Ft.)	800 Sq. Ft.				
Total Volume (Cu. Ft.)					
Total amount on or off all facility components where length or area could not be measured previously					
VII. SCHEDULED DATE OF STRIPPING / REMOVAL		Start (mm/dd/yy): 06/06/2024		End (mm/dd/yy): 8/31/2024	
VIII. SCHEDULED DATES OF RENOVATION / DEMOLITION					
Renovation	Start (mm/dd/yy): 06/06/2024	End (mm/dd/yy): 12/31/2024			
Demolition	Start (mm/dd/yy):	End (mm/dd/yy):			
IX. FACILITY DESCRIPTION					
Building Name: Lilly Hall of Life Sciences					
Street Address: 915 Mitch Daniels Boulevard					
City: West Lafayette			State: IN		County: Tippecanoe
Location of removal within building (including floor and room numbers):		Room #1401			
Building Size (Sq. Ft.): 389,782 Sq. Ft.		Number of Floors: B + 4		Age / Year Built: 1951	
Present Use: School			Prior Use: School		

X. DESCRIPTION OF PLANNED DEMOLITION OR RENOVATION WORK, METHODS/TECHNIQUES TO BE USED, AFFECTED FACILITY COMPONENTS AND TYPE OF MATERIAL REMOVED					
Project involves removal of acm fireproofing insulation to facilitate HVAC renovation.					
XI. DESCRIPTION OF WORK PRACTICES AND ENGINEERING CONTROLS TO BE USED TO PREVENT EMISSIONS OF ASBESTOS AT THE SITE; INCLUDING ASBESTOS STRIPPING, REMOVAL AND WASTE HANDLING PROCEDURES TO PREVENT NONFRIABLE ASBESTOS MATERIAL FROM BECOMING FRIABLE IN THE COURSE OF THE PROJECT					
Full containment, critical barriers, negative pressure, and a decon unit will be utilized. Materials will be removed wet, and placed in sealed, leak proof containers for disposal at an EPA approved landfill.					
XII. DESCRIPTION OF PROCEDURES TO BE FOLLOWED IN THE EVENT UNEXPECTED ASBESTOS IS FOUND OR PREVIOUSLY NONFRIABLE ASBESTOS MATERIAL BECOMES CRUMBLD, PULVERIZED, OR REDUCED TO POWDER					
Work will cease. Re-notification will be made if necessary. Accredited personnel will remove the acm using appropriate methods.					
XIII. ASBESTOS WASTE TRANSPORTER			XIV. ASBESTOS WASTE DISPOSAL SITE		
Name: Republic Services of Lafayette			Name: Walnut Creek Landfill		
Address: 3304 Concorde Road			Address: 2701 N. State Road 39		
City: Lafayette	State: IN	ZIP: 47909	City: Frankfort	State: IN	ZIP: 46041
Contact: Dispatch	Telephone: 765-496-6467		Contact: Gate House		
E-mail:			E-mail:		
XV. ORDER DEMOLITIONS					
Agency Name: NA			Date Ordered Demolition to Begin (mm/dd/yy):		
Contact:	Title:	Telephone:	E-mail:		
Regulatory Authority:			Date of Order (mm/dd/yy):		
XVI. EMERGENCY RENOVATIONS					
Date (mm/dd/yy) and Time of Emergency: NA					
Description of sudden, unexpected event:					
Explanation of how the event caused unsafe conditions or would cause equipment damage:					
.					
XVII. CERTIFICATION STATEMENT AND SIGNATURE BY OWNER/OPERATOR					
I HEREBY CERTIFY THAT THE INFORMATION IN THIS NOTIFICATION IS CORRECT AND THAT I WILL ONLY USE INDIANA LICENSED WORKERS AND PROJECT SUPERVISORS, TO IMPLEMENT THIS ASBESTOS PROJECT, WHICH HAVE BEEN TRAINED IN 326IAC 14-10; 40 CFR PART 61, SUBPART M; AND, IF APPLICABLE, INDIANAPOLIS AIR POLLUTION CONTROL BOARD REGULATION 14. THE TRAINED INDIVIDUAL(S) ALONG WITH EVIDENCE THAT THE REQUIRED TRAINING WAS ACCOMPLISHED SHALL BE AVAILABLE AT THE JOB SITE DURING ACTUAL WORKING HOURS.					
			Date (mm/dd/yy): 5/23/2024	E-mail: czumbaugh@starenv.net	
Owner / operator (Signature)					
Chris T. Zumbaugh			Title: Vice President		
Owner / operator (Printed)					