135 S. LaSalle Street, Suite 3500
Chicago IL 60603
T 312 541 4200

April 23, 2021

Mr. Carl Brown
Project Manager
Tribune Tower West Chicago Owner, LLC.
c/o Golub & Company625.
North Michigan Ave. Suite 2000
Chicago, Illinois 60611

Re: Thorium Screening Summary Letter
ADA Ramps and Sidewalk Re-surfacing
Intersection of Lower Michigan Ave. and Lower Illinois Street, Chicago, Illinois
Permit #DOT1430630

Dear Mr. Brown:

Pursuant to conditions specified in an excavation screening permit (see attachment A) issued by the Chicago Department of Public Health (CDPH), radiation screening survey was required to be performed at the above referenced Site. The Site is on the Right-of-Way, the intersection of Lower Michigan Avenue and Lower Illinois Street, Chicago, Illinois.

Screening for Thorium

On April 14, 2021, Mike Duet from RPS and Aaron Morris from RSSI were present for inspection and thorium screening activities during the surface repair activities on the Right-of-Way area at the above-referenced address. The work was performed on the sidewalk areas at the southwest and southeast corners of Illinois Avenue and Lower Michigan Avenue. The work also included the median between the north and south lanes of Lower Michigan Avenue.

The concrete surface, and the fill soil underlying the pavement when broken were screened using a Ludlum Model 12 survey meter with a sodium iodide scintillation detector (serial number 149080). The screening survey was required for potential thorium contamination during any intrusive activities when fill materials could potentially be disturbed in the Streeterville Area.

The Ludlum Model 12 meter has a thorium calibration value of 4,970 counts per minute (cpm) with a background reading of 1,600 cpm on the Site on April 14, 2021. The calibration value plus the background gives an action limit of 6,570 cpm for the meter at the Site for the duration. Any meter readings over 6,570 cpm would be considered elevated and would require soil sampling and isolation procedures upon waiting for analytical results to confirm the radiation results. The USEPA cleanup level for Chicago's Streeterville area is 7.1 picocuries per gram (pCi/g) total radium (Ra-226 + Ra-228).

The concrete in each area was broken up by a jackhammer and removed. The underlying soil was slightly graded so that sidewalk components could be installed. In the median area, the

concrete was removed, and a limited amount of grading was performed. RSSI screened the area using the Ludlum meter. The readings measured by RSSI were as follows:

Location	**Measurement (counts per minute)**
Southwest sidewalk	2400 (maximum)
Southeast sidewalk	2400 (maximum)
Median	2200 (maximum)

RPS screened the concrete surface and the fill soil after the concrete was broken/removed. All the screening results were below the USEPA screening action level for thorium; thus, no suspected thorium contamination was detected in the work area.

No excavation into the fill/soil below the pavement was performed, once the pavement was broken/removed. Pictures of selected field activities are included in Attachment B.

As part of the permit conditions this letter is forwarded to:

Chicago Department of Public Health	US Environmental Protection Agency
Attention: Terry Sheaham	Attn. Verneta Simon
333 South State Street, Room 200	77 West Jackson Blvd.
Chicago, Illinois 60604	Chicago, Illinois 60604

If you have any questions, please feel free to contact me at 312-262-4330.

Sincerely,

RPS Group, Inc.

John H. Yang, LPG
Senior Vice President

cc: Verneta Simon – USEPA
Terry Sheaham – Chicago Department of Public Health

Attachments:

A - CDPH Authorization/Permit & Work Area Map
B - Photo Logs

Attachment A

Site Location Map & CDPH Permit

DEPARTMENT OF PUBLIC HEALTH

CITY OF CHICAGO

FORM NO. CDPH.ROW.03

Notice is hereby given that the site you have requested a permit for is recorded with the City of Chicago Department of Public Health (CDPH) as potentially having environmental contamination on the site and adjacent right-of way. This environmental contamination could present a threat to human health and safety in connection with work performed at the site, or in the adjacent right-of-way, if proper safeguards are not employed.

A file containing detailed information regarding the aforementioned environmental contamination is available for review at CDPH at 333 S. State St., Room 200, Chicago, Illinois 60604 during normal business hours (8:30AM-4:30PM, Monday through Friday). Contact (312) 745-3152 for an appointment. This file must be reviewed and the remainder of this form completed before the permit can be issued if the ground is exposed or excavated. **Please note that for some locations, additional health and safety procedures may be required by law.**

Please complete the following:

I have reviewed and understand the documents, maintained by CDPH, regarding environmental contamination of the site and adjacent right-of-way. Further, I will ensure that all work at the subject site and adjacent right-of-way, and any monitoring required including but not limited to radiation monitoring, will be performed in a manner that is protective of human health and the environment and in compliance with all applicable local, state, and federal laws, rules, and regulations, especially those pertaining to worker safety and waste management. I will ensure that the results of any radiation monitoring and/or surveying conducted shall be provided to the CDPH and the United States Environmental Protection Agency **within two (2) weeks of their completion**. If any elevated levels of radioactive material are detected, I will immediately contact the United States Environmental Protection Agency at (800) 424-8802.

Applicant Name (print): __John_Yang_____ Signature: _____

Site Address and Work Location (Describe exact site location and attach map): _Intersection of Lower Michigan Ave. and Lower Illinois _____Street, Chicago_____

Nature of Work: Removing curbs,sidewalk/subbase by Excavator, Repouring curbs, sidewalk, & subbase (Concrete)_____

Company Name, Address, Phone No.: _Roy Strom -Fish @708-906-0845_____

General / Prime Contractor Name, Address, Phone No.: Walsh, 929 W Adams ST, Chicago, IL 60607 _____
Include subcontractor information if applicable)
Safety Officer / Phone No. ___Tom Laudadio 312-285-5541_____

Radiation Contractor / Phone No. (if applicable)__RPS Group - John H. Yang 312-262-4330_____

Check if City Department Work ☐ Department Name: _____

CDOT Permit No.: _DOT1430630_____

Today's Date: _4/12/2021_____ Expected Start Date: _4/15/2021 _____ CDPH Approval / Date _____

Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall – Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

---***For CDPH Use Only***

RAMP ENLARGEMENT
SOUTHWEST CORNER
MICHIGAN AVENUE & ILLINOIS STREET
SCALE: 1" = 5'

RAMP ENLARGEMENT
SOUTHEAST CORNER
MICHIGAN AVENUE & ILLINOIS STREET
SCALE: 1" = 5'

DRIVEWAY ENLARGEMENT
DOCK
SCALE: 1" = 5'

DRIVEWAY ENLARGEMENT
PARKING LOT DRIVE
SCALE: 1" = 5'

MEDIAN ENLARGEMENT
MICHIGAN AVENUE & ILLINOIS STREET
SCALE: 1" = 5'

RAMP ENLARGEMENT
NORTHEAST CORNER WATER
STREET AND MICHIGAN AVENUE
SCALE: 1" = 5'

NOTES:

1. ALL PAVEMENT SPOT GRADE ELEVATIONS AND RIM ELEVATIONS WITHIN OR ALONG CURB AND GUTTER REFER TO EDGE OF PAVEMENT ELEVATIONS UNLESS OTHERWISE NOTED.
2. ALL ELEVATIONS SHOWN DEPICT FINISHED GRADE UNLESS OTHERWISE NOTED. SUBTRACT TOPSOIL THICKNESS OR PAVEMENT SECTION TO ESTABLISH SUBGRADE ELEVATIONS.
3. PROVIDE 1.56% MAX (1.00% MIN) CROSS SLOPE AND 4.17% MAX LONGITUDINAL SLOPE ON ALL SIDEWALKS PER CDOT REQUIREMENTS. ALWAYS MAINTAIN POSITIVE DRAINAGE AWAY FROM BUILDING.

GRAPHIC SCALE
20 10 0 20
1" = 20'

SCB
Solomon Cordwell Buenz
Chicago
T 312.896.1100
San Francisco
T 415.216.2450
www.scb.com

NO.	DATE	DESCRIPTION
1	03.14.2018	ISSUED FOR DESIGN DEVELOPMENT
2	03.29.2018	ISSUED FOR ASI - 01
3	04.17.2018	ISSUED FOR BUILDING PERMIT
4	04.17.2018	ISSUED FOR OUC PERMIT
5	07.16.2018	ISSUED FOR IN PROGRESS GMP
6	10.04.2018	ISSUED FOR GMP
E	02.22.2019	BUILDING PERMIT REVISIONS
7	04.02.2019	CONSTRUCTION DOCUMENTS
05	09.15.2020	CIVIL - PRA UPDATES

TRIBUNE TOWER
REDEVELOPMENT

435 N Michigan Ave, / 155 E. Illinois St.
Chicago, IL 60611

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LAURA SHAFER
062-050040
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

GRADING PLAN - LOWER LEVEL

Drawn By: BJD
Checked By: LJS 11-13-17
Project Number: 17029
Sheet Number: C4.3

Attachment B

Photo Logs

Photo 1: 4/14/2021 – Concrete broken up by Jackhammer, SW sidewalk

Photo 2: 4/14/2021 – Fill soil after pavement broken and removed, SE sidewalk

Photo 3: 4/14/2021 – Concrete broken and removed, Median