

OP 359, Field Activity Documentation



CABRERA DAILY REPORT

1. PROJECT INFORMATION

PROJECT NAME/LOCATION: SUPPLEMENTAL RADIOLOGICAL SURVEY

Former UNC Manufacturing Facility, New Haven, CT

DATE: 06/20/17

REPORT NO. 084

CONTRACT #:

CABRERA PROJECT #: 10-1007.00

TASK #: 016

FIELD SITE MANAGER: Mike Plonski

PROJECT MANAGER: Rob Flowers

2. WEATHER

TEMPERATURE RANGE: 62-86 degrees F

WIND SPEED/DIRECTION: 5-15 mph E

PRECIPITATION LAST 24 HOURS: ☒ YES ☐ NO

TYPE: RAIN

AMOUNT: 0.75"

BAROMETRIC PRESSURE: 30.01"

HUMIDITY: 70-100%

HEAT INDEX RANGE: N/A

WEATHER DELAYS: ☐ YES ☒ NO

DELAY TIME (HOURS): N/A

3. SUMMARY OF WORK

- Conducted safety meeting prior to beginning field activities.
- Cabrera completed daily quality control checks on gamma spec and other radiological counting instrumentation.
- Prepped and surveyed floor area in 3H.
- During gamma survey, 13 items were located within the central portion of 3H. These items were encapsulated within a 2 inch section of caulk that sealed the crack between the wall and floor on the east side of the room. Pictures provided in photo section.

4. MATERIALS & EQUIPMENT BROUGHT ON-SITE

Receipt inspection required & completed? ☐ Yes ☒ No

5. INSPECTIONS		
TYPE	DESCRIPTION	ACTION
PREPARATORY		
INITIAL		
FOLLOW-UP		
ARE ANY DEFICIENCIES NOTED IN FOLLOW-UP INSPECTIONS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		

6. DEFICIENCIES CORRECTED			
DEFICIENCY #	REPORT REFERENCE	DESCRIPTION	ACTION

7. TESTS PERFORMED		
SPECIFICATION REFERENCE	TYPE	TEST & RESULT
ARE TEST RESULTS ATTACHED? <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> NA – IF NO, EXPLAIN:		

8. CABRERA PERSONNEL ON-SITE		
EMPLOYEE NAME	TITLE	TASK(S) PERFORMED
STEPHAN OWE	SSHO	See Section 3 “Summary of Work” (8 Hrs)
Mike Plonski	SRSL/OSLM	See Section 3 “Summary of Work” (8 Hrs)
Wade Fillingame	HP TECH	See Section 3 “Summary of Work” (8 Hrs)

9. SUBCONTRACTOR PERSONNEL ON-SITE				
SUBCONTRACTOR NAME	JOB DUTY	TASK(S) PERFORMED	# OF PERSONNEL	MAN-HOURS
TOTALS				

10. EQUIPMENT & MATERIALS ON-SITE					
VENDOR	EQUIPMENT	SERIAL #.	ACTIVE OR IDLE	DATE RECEIVED	DATE RETURNED
ERG	1 Ludlum 2360 scaler/rate meter with 43-93 Zinc sulphide scintillation probe	184909/PR298426	Active	02/21/2017	
ERG	1 Ludlum 2360 scaler/rate meter with 43-93 zinc sulphide scintillation probe	193638/PR199836	Active	02/21/2017	
ERG	1 Ludlum 2360 scaler/rate meter	220242	Active	02/21/2017	
ERG	1 Ludlum 2221 scaler/ digital rate meter with FIDLER sodium iodide scintillation probe	190205/PR01807D	Active	02/21/2017	
ERG	1 Ludlum 2929 scaler sample counter with 43-10-1 zinc sulphide scintillation probe	200051/PR215948	Active	02/21/2017	
ERG	1 Ludlum model 12 meter with 44-9 Geiger-Mueller probe	276863/PR147787	Active	02/21/2017	
ERG	Escort ELF Lapel Air sampler	A3-48588		02/21/2017	
ERG	1 MircoRem meter	2079		02/21/2017	
ERG	1 Low volume air sampler			02/21/2017	
ERG	1 Low volume air sampler			02/21/2017	
Cabrera	1 Th-230 check source	5648-06	Active	02/21/2017	
Cabrera	1 Tc-99 check source	5634-05	Active	02/21/2017	
Cabrera	1 Co-60 check source	267D21	Active	02/21/2017	
Cabrera	1 Ludlum model 2224-1 scaler/rate meter with 43-93 Zinc sulphide scintillation probe	227246/PR244549	Active	02/21/2017	
Cabrera	1 Ludlum Model 3 rate meter with 44-9 Geiger-Mueller probe	219266/PR	Active	02/21/2017	
Canberra	Gamma Spectroscopy Instrument (Canberra REGe)	SN 8381	Active	03/06/2017	
United Rentals	1 Bobcat T5 90 Skid Steer		Active	02/21/2017	
United Rentals	1 set of forks, and 1 grapple bucket for Skid Steer		Active	02/21/2017	
United Rentals	1 Magnum 130 tow behind generator			02/21/2017	6/6/2017
NEMF	Wheel Scale			02/21/2017	
Williams Scotsman	1 8' by 20' connex box		Active	06/22/2016	
United Rentals	Scaffold			03/23/2017	5/23/2017
Cabrera	1 heater			03/23/2017	

11. MATERIAL GENERATED/STORED ON-SITE					
MATERIAL ID	SOLID, LIQUID, OR MIXED	DESCRIPTION OF MATERIAL	CONTAINER TYPE	DISPOSITION OR LOCATION OF MATERIAL	AMOUNT* (CY OR TONS)
BFLU000011	Solid	Soil/ Garbage/ Debris/ ACM	Intermodal	Building 6H	~12.35 Tons
GFLU001451	Solid	Soil/ Garbage/ Debris/ ACM	Intermodal	Building 6H	~10.05 Tons
GFLU002120	Solid	Soil/ Garbage/ Debris/ ACM	Intermodal	Building 6H	~ 12.4Tons
GFLU002008	Solid	Soil/ Garbage/ Debris/ ACM	Intermodal	Building 6H	~12.09 Tons
GFLU001483	Solid	Soil/ Garbage/ Debris/ ACM	Intermodal	Building 6H	~12.93 Tons
GFLU002198	solid	Soil/ Garbage/ Debris/ ACM	Intermodal	Building 6H	~7.83 Tons
BFLU000074	solid	Soil/ Garbage/ Debris/ ACM	Intermodal	Building 6H	~7.81 Tons
ERRU000226	solid	Soil/ Garbage/ Debris/ ACM	Intermodal	Building 6H	~7.34 Tons
ERRU000312	Solid	Soil/ Garbage/ Debris/ ACM	Intermodal	Building 3H	~12.34 Tons
MHFU-002362	Solid	Soil/ Garbage/ Debris/ ACM	Intermodal	Building 3H	~11.38 Tons
GFLU-002165	Solid	Soil/ Garbage/ Debris/ ACM	Intermodal	Building 3H	~11.78 Tons
GFLU-002002	Solid	Soil/ Garbage/ Debris/ ACM	Intermodal	Building 3H	~11.65 Tons
GFLU002079	Solid	Soil/ Garbage/ Debris/ ACM	Intermodal	Building 6H	~12.74 Tons
GFLU-001032	Solid	Soil/ Garbage/ Debris/ ACM	Intermodal	Building 3H	~11.26 Tons
EERU-000310	Solid	Soil/ Garbage/ Debris/ ACM	Intermodal	Building 3H	~12.09 Tons
GFLU-001742	Solid	Soil/ Garbage/ Debris/ ACM	Intermodal	Building 3H	~9.79 Tons
GFLU-002123	Solid	Soil/ Garbage/ Debris/ ACM	Intermodal	Building 3H	~10.93 Tons
Totals					~218.76 Tons

ATTACH SEPARATE PAGES AS NEEDED. SEPARATE PAGES INCLUDED? ☐ YES ☒ NO

12. SAMPLE COLLECTION & ANALYSIS

Sample ID/Spectrum ID	Media (Soil Water, Other)	Sampler Initials	On-Site or Off-Site Lab	Analyses / Type	Count time (min) Does not include setup	Photo File #
UNC-2017-002	Metal	MP	On-site	Awaiting Analysis		
UNC-2017-003	Metal	MP	On-site	Awaiting Analysis		
UNC-2017-004	Metal	MP	On-site	Awaiting Analysis		
UNC-2017-005	Metal	MP	On-site	Awaiting Analysis		
UNC-2017-006	Metal	MP	On-site	Awaiting Analysis		
UNC-2017-007	Metal	MP	On-site	Awaiting Analysis		
UNC-2017-008	Metal	MP	On-site	Awaiting Analysis		
UNC-2017-009	Metal	MP	On-site	Awaiting Analysis		
UNC-2017-010	Metal	MP	On-site	Awaiting Analysis		
UNC-2017-011	Metal	MP	On-site	Awaiting Analysis		
UNC-2017-012	Metal	MP	On-site	Awaiting Analysis		
UNC-2017-013	Metal	MP	On-site	Awaiting Analysis		
UNC-2017-014	Metal	MP	On-site	Awaiting Analysis		

ATTACH SEPARATE PAGES AS NEEDED. SEPARATE PAGES INCLUDED? ☐ Yes ☒ No**13. CHANGES/DELAYS/CONFLICTS**ANY CHANGES IN SITE CONDITIONS OCCUR TODAY? ☐ Yes ☒ No

IF YES, EXPLAIN:

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? ☐ Yes ☒ No

IF YES, EXPLAIN:

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE? ☐ Yes ☒ No

IF YES, EXPLAIN:

14. VERBAL INSTRUCTIONS RECEIVED:

15. HEALTH & SAFETY SUMMARY	
SAFETY BRIEFINGS	
WAS A SAFETY MEETING HELD? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	TOPIC DISCUSSED: PPE, machine safety (skid steer, scissor lift), slips-trips-falls, slippery conditions
SAFETY INSPECTIONS	
WAS A SAFETY INSPECTION CONDUCTED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
DEFICIENCIES NOTED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	DESCRIBE:
CORRECTIVE ACTIONS TAKEN: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	DESCRIBE:
SUMMARY OF WORK PERFORMED	
TYPE OF WORK:	Refer to description provided in Section 3
CHEMICALS USED:	None
PPE LEVEL:	Safety shoes, hard hats, and eye protection, safety vest
INCIDENT & NEAR MISS/OBSERVATION REPORTING	
ANY INCIDENTS ON-SITE TODAY? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	DESCRIPTION:
CABRERA INCIDENT REPORTING FORM ATTACHED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
CLIENT SPECIFIC INCIDENT REPORTING FORM ATTACHED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ANY NEAR MISSES/OBSERVATIONS ON-SITE TODAY? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	DESCRIPTION:
H&S RECOMMENDATIONS	

16. REMARKS
<p>During gamma scan surveys in the central portion of the 3H building, elevated count rates (75,000-100,000 cpm) were observed along the eastern wall at the intersection of the floor and wall. Closer inspection revealed shiny metallic shards in a small section of the grout or caulk. These shards are consistent in appearance with previous HEU shards found within the 3H building. After collecting the scan measurement data, small hand tools were used to extract the section of caulk. Once removed, the count rate of the floor/wall area lowered to 20,000-25,000 cpm. The results were still elevated above bkgd count rates, but significantly less than previously observed. With radiological controls in place, the caulk was dismantled and 13 items were discovered within the section of caulk (note that it was originally thought that there were only 12 items, but two pieces were actually stuck together, so 13 ended up being the final quantity). All items were removed, weighed, given sample numbers and photographed. The items will be counted on-site via gamma spectroscopy in the coming days, and these results will be shared with project stakeholders.</p>

17. VERIFICATION STATEMENT	
This report is complete and correct and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications except as noted above.	
NAME/TITLE: Mike Plonski	SIGNATURE:
DATE: 06/21/17	

18. PROJECT MANAGER REVIEW & ACCEPTANCE	
REMARKS AND/OR EXCEPTIONS TO REPORT:	
ACCEPTANCE	
NAME/TITLE: Greg Bright, Deputy Project Manager	SIGNATURE:
DATE: 06/21/17	

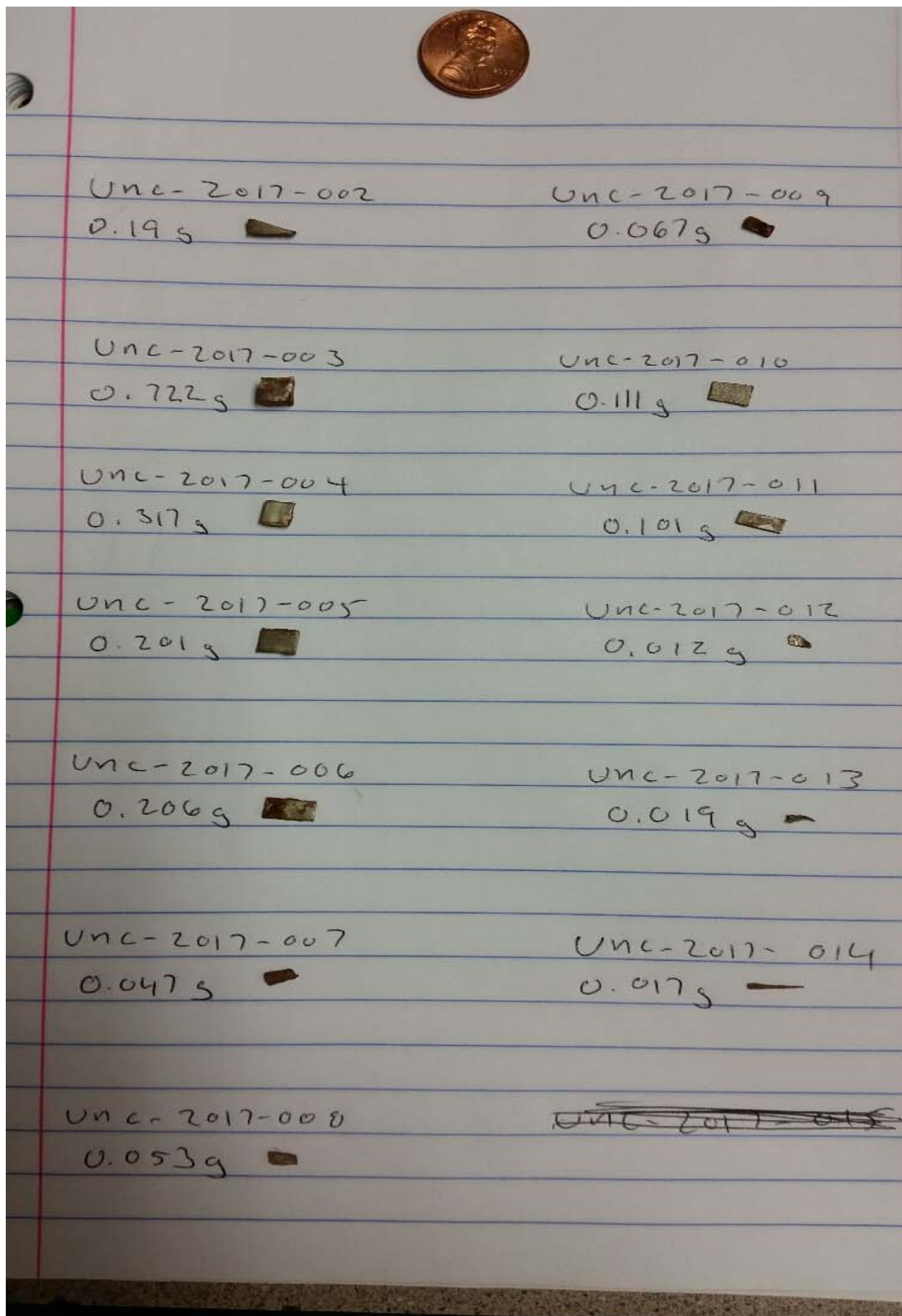
PHOTOS



Area in 3H where the section of caulk was found.



The caulk that was removed and held all the items.



Picture of the samples with ID's and weights.

OP 555 - Safety Meetings



CABRERA SERVICES
RADIOLOGICAL · ENGINEERING · REMEDIATION

SAFETY MEETING FORM

SIX QUESTIONS FOR SUCCESS – Take two minutes to think through and answer these questions:

1. What are we about to do?
2. What equipment are we going to use?
3. Have I/we been trained to use this equipment?
4. Have I/we been trained to do this job?
5. How can I/we be hurt?
6. How can I/we prevent this incident?

If you and your team aren't prepared to do the assigned work, STOP WORK, and take time to properly prepare.

Project Information

This sign-in log documents the topics of the safety meeting and individual attendance. Personnel who perform work operations onsite are required to attend and acknowledge their ability to ask questions and receipt of such briefings daily. Please provide a brief narrative of the selected topics as applicable to the Project in the comment box (ex. Name of AHA reviewed).

PROJECT NAME & LOCATION

UNC - New Haven

PROJECT NO.

10-1007.00

DATE/TIME

6/20/17 0700

WEATHER CONDITIONS

80's Sunny

Topic

Discussion – check one

Today's Scope of Work (All tasks)	<input checked="" type="checkbox"/> yes <input type="checkbox"/> n/a	Access / Egress / Slips, Trips, & Falls	<input type="checkbox"/> yes <input type="checkbox"/> n/a
Schedule / New Work / Scope Changes	<input type="checkbox"/> yes <input type="checkbox"/> n/a	Smoking, Eating, & Drinking	<input type="checkbox"/> yes <input type="checkbox"/> n/a
Reviewed Procedures, AHA, etc.	<input type="checkbox"/> yes <input type="checkbox"/> n/a	Washroom / Facilities Location	<input type="checkbox"/> yes <input type="checkbox"/> n/a
Emergency Action Plan & Procedures	<input type="checkbox"/> yes <input type="checkbox"/> n/a	Heat/Cold Stress	<input type="checkbox"/> yes <input type="checkbox"/> n/a
Communications Protocol	<input type="checkbox"/> yes <input type="checkbox"/> n/a	Exclusion Areas Barricades / Cones	<input type="checkbox"/> yes <input type="checkbox"/> n/a
Required PPE	<input type="checkbox"/> yes <input type="checkbox"/> n/a	Required Permits, Passes, Keys, etc.	<input type="checkbox"/> yes <input type="checkbox"/> n/a
Required Monitoring / Instruments	<input type="checkbox"/> yes <input type="checkbox"/> n/a	Decon Procedures / IDW Mgmt.	<input type="checkbox"/> yes <input type="checkbox"/> n/a
Site Control / Work Zones / Security	<input type="checkbox"/> yes <input type="checkbox"/> n/a	Eqpmt. Inspections/Safety Checklists	<input type="checkbox"/> yes <input type="checkbox"/> n/a

OTHER/COMMENTS:

Safety Meeting Attendees

Print Name	Signature
KLASE FILLINGSME	
Stephan Owe	

Safety Meeting Leader

Mike Planski	
Name of Meeting Leader	Signature