ASBESTOS AIR MONITORING CLOSE-OUT REPORT
BUILDING 2474
FORT BLISS, TEXAS 79916

Prepared for:
Mr. Henry Wilson, P.E.
DPW
Building 777
Fort Bliss, Texas 79916

Prepared by:
ENCON International, Inc.
7307 Remcon Circle,
Suite 103
El Paso, Texas 79912

Date of Completion:
October 23, 2009

ENCON Project No. 117-09-029

ENCON INTERNATIONAL, INC.

Engineering, Environmental & Technical Services

October 27, 2009

Mr. Henry Wilson, P.E.
Asbestos & Lead Manager
DPW, Bldg. 777
Fort Bliss, TX 79916

Phone: (915) 568-2300
Via email: Henry.C.Wilson@us.army.mil

RE: ASBESTOS AIR MONITORING CLEARANCE LETTER
Building 2474
Fort Bliss, TX 79916

Dear Mr. Wilson,

ENCON presents the air monitoring results for the abatement activities at Building 2474, Fort Bliss, TX, 79916.

The abatement began on October 22, 2009 and ended October 23, 2009.

The work consisted of the removal of approximately 315 square feet of 12" x 12" black floor tile and mastic located in the basement of building 2474. A visual inspection was performed prior to clearance air sampling. In addition to the clearance sampling performed on October 23, 2009, ambient air monitoring was conducted inside and outside of the containment during removal activities. All Clearance air samples indicated airborne fibers below EPA Clean Air Standard of 0.01 fibers per cubic centimeter by Phase Contrast Microscopy by NIOSH 7400 Method.

For additional information regarding this project please contact the Asbestos Project Manager listed below.

Sampling performed by:

Leah A. Porras
Air Monitor Technician

Reviewed by:

Alicia Orrantia
Project Manager

Attachments:

- Air Sampling Results
- Air Sample Location Drawing
- Air Monitoring Chains of Custody
- Project Manager Daily Logs
- Monometer Readings

ENCON INTERNATIONAL, INC.

Engineering, Environmental & Technical Services

Phase Contrast Microscopy Report

Project #: 117-09-029 **Sample Type: Clearances**

Building #: 2474 **Sample Date: 10/23/09**

Client Sample No.	Lab Sample No.	Location	Fibers	Flow Rate (liters/min)	Total Time (minutes)	Results (f/cc)	Reporting Results *(f/cc)
117.09.029.2474.1023.C1	2028	East Doorway	2.0	9.5	135	0.001	<0.005
117.09.029.2474.1023.C2	2029	North-center Wall	0.0	9.5	135	0.000	<0.005
117.09.029.2474.1023.C3	2030	West Doorway	0.5	9.5	135	0.000	<0.005
117.09.029.2474.1023.FB1	2033	Field Blank 1	0.0	-	-	-	-
117.09.029.2474.1023.FB2	2034	Field Blank 2	0.0	-	-	-	-

***Limit Of Quantification: 0.005 f/cc**

Analyst's signature: **Date: 10/23/09**

Analyzed by Analytical Method NIOSH 7400; Counting Rules "A"
95% Confidence Level
TDH Asbestos PCM Laboratory License #300385

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CHAIN OF CUSTODY

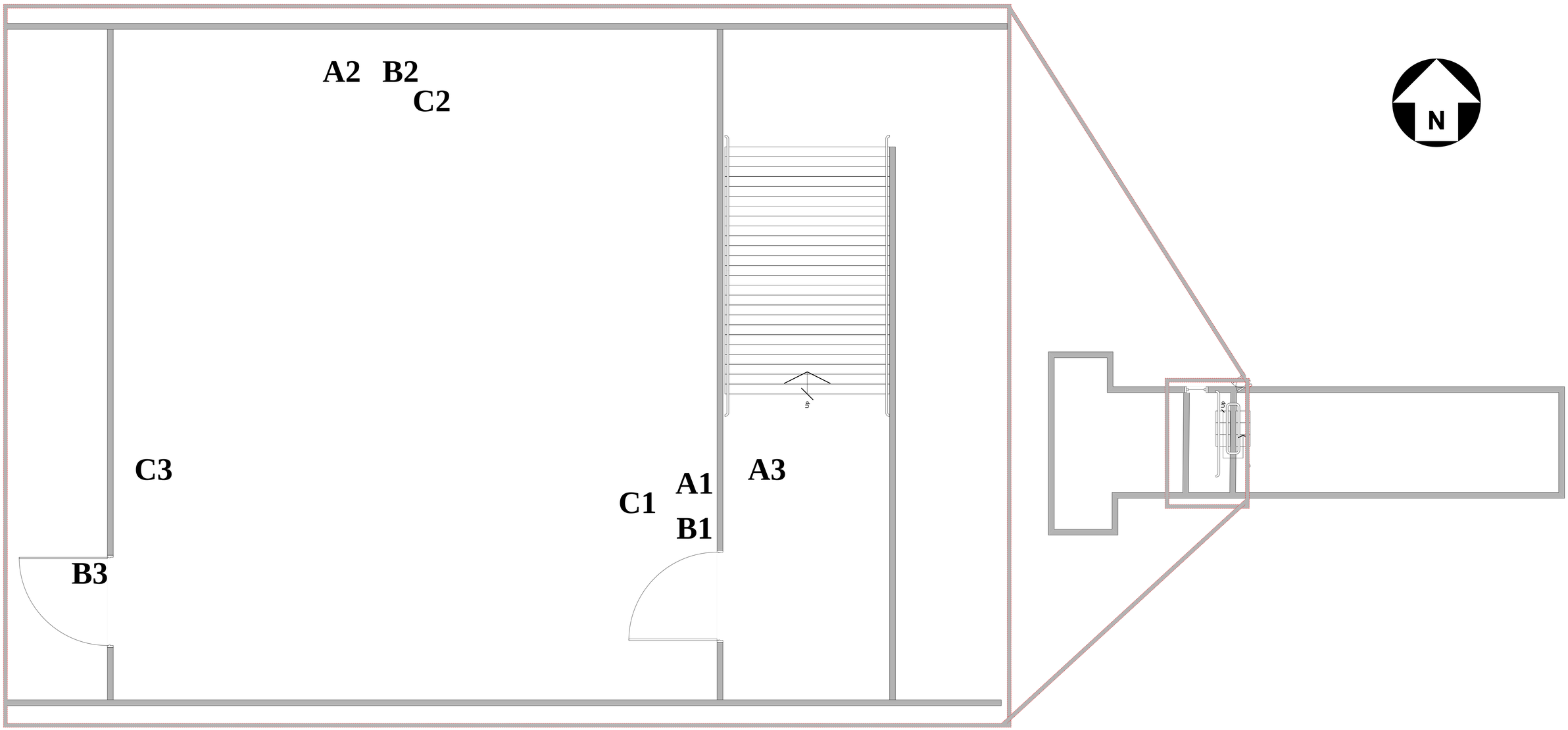
Project #: 117-09-029
Building#: 2474
Date: 10-23-09

Sample Type: Clearances

Sample ID	Pump	Time On	Flow Rate	Time Off	Flow Rate	Total Time	Avg. Flow	Volume	Location
117.09.029.2474.1023.C1	5	9:15a	9.5	11:30a	9.5	135	9.5	1282.5	East Doorway
117.09.029.2474.1023.C2	9	9:15a	9.5	11:30a	9.5	135	9.5	1282.5	North-center Wall
117.09.029.2474.1023.C3	1	9:15a	9.5	11:30a	9.5	135	9.5	1282.5	West Doorway
117.09.029.2474.1023.FB1	NA	-	-	-	-	-	-	-	Field Blank 1
117.09.029.2474.1023.FB2	NA	-	-	-	-	-	-	-	Field Blank 2

Client: DPW, Building 777 Fort Bliss, Texas 79916
Contractor: KEERS Environmental
Logged in by: Leah A. Porras

ENCON International, Inc.



***Please Note: A4 is at the 1st Floor Stairway Entrance**

Air Sample Locations ENCON #: 117-09-029 Date: 10/27/09	A = Area Samples B = Baseline Samples C=Clearances Samples	Bldg. 2474 Basement Air Sample Location Drawing	N.T.S

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Phase Contrast Microscopy Report

Project #: 117-09-029 **Sample Type: Baselines**

Building #: 2474 **Sample Date: 10/21/09**

Client Sample No.	Lab Sample No.	Location	Fibers	Flow Rate (liters/min)	Total Time (minutes)	Results (f/cc)	Reporting Results *(f/cc)
117.09.029.2474.1021.B1	2035	East Doorway	3.0	7	180	0.001	<0.005
117.09.029.2474.1021.B2	2036	North-center Wall	0.0	7	180	0.000	<0.005
117.09.029.2474.1021.B3	2037	West Doorway	5.5	7	180	0.002	<0.005
117.09.029.2474.1021.FB1	2038	Field Blank 1	0.0	-	-	-	-
117.09.029.2474.1021.FB2	2039	Field Blank 2	0.0	-	-	-	-

***Limit Of Quantification: 0.005 f/cc**

Analyst's signature: **Date: 10/26/09**

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CHAIN OF CUSTODY

Project #: 117-09-029
Building#: 2474
Date: 10-21-09

Sample Type: Baselines

Sample ID	Pump	Time On	Flow Rate	Time Off	Flow Rate	Total Time	Avg. Flow	Volume	Location
117.09.029.2474.1021.B1	3	1:15p	7.0	4:15p	7.0	180	7.0	1260.0	East Doorway
117.09.029.2474.1021.B2	5	1:15p	7.0	4:15p	7.0	180	7.0	1260.0	North-center Wall
117.09.029.2474.1021.B3	8	1:17p	7.0	4:17p	7.0	180	7.0	1260.0	West Doorway
117.09.029.2474.1021.FB1	NA	-	-	-	-	-	-	-	Field Blank 1
117.09.029.2474.1021.FB2	NA	-	-	-	-	-	-	-	Field Blank 2

Client: DPW, Building 777 Fort Bliss, Texas 79916
Contractor: KEERS Environmental
Logged in by: Leah A. Porras

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Phase Contrast Microscopy Report

Project #: 117-09-029 **Sample Type: Areas**

Building #: 2474 **Sample Date: 10/22/09**

Client Sample No.	Lab Sample No.	Location	Fibers	Flow Rate (liters/min)	Total Time (minutes)	Results (f/cc)	Reporting Results *(f/cc)
117.09.029.2474.1022.A1	2040	I/C North-center Wall	8.0	4	215	0.005	<0.005
117.09.029.2474.1022.A2	2041	I/C East Doorway	11.5	4	215	0.007	0.007
117.09.029.2474.1022.A3	2042	Make up air	2.0	4	214	0.001	<0.005
117.09.029.2474.1022.A4	2043	1st Floor Stairwell Entrance	3.0	4	215	0.002	<0.005
117.09.029.2474.1022.A5	2044	Exhaust	0.0	4	215	0.000	<0.005
117.09.029.2474.1022.FB1	2045	Field Blank 1	0.0	-	-	-	-
117.09.029.2474.1022.FB2	2046	Field Blank 2	0.0	-	-	-	-

***Limit Of Quantification: 0.005 f/cc**

***I/C: Inside Containment**

Analyst's signature: **Date: 10/26/09**

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ENCON INTERNATIONAL, INC.

Engineering, Environmental & Technical Services

CHAIN OF CUSTODY

Project #: 117-09-029
Building#: 2474
Date: 10-22-09

Sample Type: Areas

Sample ID	Pump	Time On	Flow Rate	Time Off	Flow Rate	Total Time	Avg. Flow	Volume	Location
117.09.029.2474.1022.A1	5	12:05p	4.0	3:40p	4.0	215	4.0	860.0	I/C North-center Wall
117.09.029.2474.1022.A2	9	12:05p	4.0	3:40p	4.0	215	4.0	860.0	I/C East Doorway
117.09.029.2474.1022.A3	1	12:08p	4.0	3:42p	4.0	214	4.0	856.0	Make Up Air
117.09.029.2474.1022.A4	3	12:10p	4.0	3:45p	4.0	215	4.0	860.0	1st Floor Stairwell Entrance
117.09.029.2474.1022.A5	8	12:15p	4.0	3:50p	4.0	215	4.0	860.0	Exhaust
117.09.029.2474.1022.FB1	NA	-	-	-	-	-	-	-	Field Blank 1
117.09.029.2474.1022.FB2	NA	-	-	-	-	-	-	-	Field Blank 2
***I/C: Inside Containment**									

Client: DPW, Building 777 Fort Bliss, Texas 79916
Contractor: KEERS Environmental
Logged in by: Leah A. Porras

ENCON INTERNATIONAL, INC.

Engineering, Environmental & Technical Services

Phase Contrast Microscopy Report

Project #: 117-09-029 **Sample Type: Areas**

Building #: 2474 **Sample Date: 10/23/09**

Client Sample No.	Lab Sample No.	Location	Fibers	Flow Rate (liters/min)	Total Time (minutes)	Results (f/cc)	Reporting Results *(f/cc)
117.09.029.2474.1023.A1	2047	I/C North-center Wall	3.0	4	95	0.004	<0.005
117.09.029.2474.1023.A2	2048	I/C East Doorway	6.0	4	97	0.008	0.008
117.09.029.2474.1023.A3	2049	Make up air	3.5	4	95	0.005	<0.005
117.09.029.2474.1023.A4	2050	1st Floor Stairwell Entrance	0.0	4	97	0.000	<0.005
117.09.029.2474.1023.A5	2051	Exhaust	0.0	4	95	0.000	<0.005
117.09.029.2474.1023.FB1	2033	Field Blank 1	0.0	-	-	-	-
117.09.029.2474.1023.FB2	2034	Field Blank 2	0.0	-	-	-	-

***Limit Of Quantification: 0.005 f/cc**

***I/C: Inside Containment**

Analyst's signature: **Date: 10/26/09**

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Engineering, Environmental & Technical Services

CHAIN OF CUSTODY

Project #: 117-09-029
Building#: 2474
Date: 10-23-09

Sample Type: Areas

Sample ID	Pump	Time On	Flow Rate	Time Off	Flow Rate	Total Time	Avg. Flow	Volume	Location
117.09.029.2474.1023.A1	5	7:05a	4.0	8:40a	4.0	95	4.0	380.0	I/C North-center Wall
117.09.029.2474.1023.A2	9	7:05a	4.0	8:42a	4.0	97	4.0	388.0	I/C East Doorway
117.09.029.2474.1023.A3	1	7:10a	4.0	8:45a	4.0	95	4.0	380.0	Make Up Air
117.09.029.2474.1023.A4	3	7:13a	4.0	8:50a	4.0	97	4.0	388.0	1st Floor Stairwell Entrance
117.09.029.2474.1023.A5	8	7:20a	4.0	8:55a	4.0	95	4.0	380.0	Exhaust
117.09.029.2474.1023.FB1	NA	-	-	-	-	-	-	-	Field Blank 1
117.09.029.2474.1023.FB2	NA	-	-	-	-	-	-	-	Field Blank 2
***I/C: Inside Containment**									

Client: DPW, Building 777 Fort Bliss, Texas 79916
Contractor: KEERS Environmental
Logged in by: Leah A. Porras

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DAILY LOG SHEET

Project #: 117-09-029 **Date:** 10-21-09 **Day:** 1

Building #: 2474

Material/Location: 12" x 12" Black Floor Tile / Basement Office

Point of Contact: Osvaldo Arroyo

Baselines: X **Areas:** ____ **Personnels:** ____ **Clearances:** ____ **Other:** ____

11:30a – Arrive to job site; building is unoccupied but there are subcontract workers doing a variety of work throughout the upper levels

11:50a-I locate the area where the abatement will take place and begin to unload sampling equipment

12:30p-1:00p Lunch break

1:00p- I set and calibrate all high volume pumps for baseline sampling

1:15p-Pumps are turned on

2:30p-I check on all pumps

3:00p-There is no traffic down in the basement where air sampling is being conducted

4:15p-I turn off all pumps and collect all samples

4:30p-I leave job site

Project Manager Signature:

ENCON INTERNATIONAL, INC.

Engineering, Environmental & Technical Services

DAILY LOG SHEET

Project #: 117-09-029 **Date:** 10-22-09 **Day:** 2

Building #: 2474

Material/Location: 12" x 12" Black Floor Tile / Basement Office

Point of Contact: Osvaldo Arroyo

Baselines: _____ **Areas:** X **Personnels:** _____ **Clearances:** _____ **Other:** _____

7:00a-KEERS and I arrive to job site

-The office that's going to be abated contains furniture items such as: a refrigerator, sofa, a few desks, chairs, cabinets, and a microwave

7:30a-KEERS continues to move out all furniture

8:15a-KEERS begins to prepare room by placing critical barriers over windows and doors

9:00a-Ruben Kato of KEERS arrives to job site to assist in the preparation process

-I begin to unload and set up all high volume pumps for ambient air sampling

10:30a-Prep continues; all pumps are calibrated, set, and ready for sampling

11:00a-Crew takes lunch break and Ruben Kato leaves job site

12:00p-Crew returns from lunch and begins to suit up; I turn on all pumps

12:30p-Crew is removing floor tile; Mr. Alberto Gonzalez of ENCON arrives to job site

1:15p-I check on all pumps

2:15p-Mr. Henry Wilson and Mr. Jesse Schaffer arrive to job site to observe work activity

2:40p-Bag out procedure commences thru decon; up the stairs and out the north entrance of bldg

3:20p-Crew begins decontamination so they can exit containment

3:40p-I begin to collect all samples

4:00p-Leave job site

KEERS Crew Members: Raymond Padilla

KEERS Supervisor: Osvaldo Arroyo

Project Manager Signature:_____

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DAILY LOG SHEET

Project #: 117-09-029 **Date:** 10-23-09 **Day:** 3

Building #: 2474

Material/Location: 12" x 12" Black Floor Tile / Basement Office

Point of Contact: Osvaldo Arroyo

Baselines: ____ **Areas:** X **Personnels:** ____ **Clearances:** X **Other:** ____

7:00a-KEERS and I arrive to job site; crew suits up; I turn on all pumps
-Crew begins by detail cleaning entire floor

8:00a-I check all pumps

8:35a-I perform a visual inspection of containment

9:00a-Visual inspection has passed and I have turned off all pumps
-I recalibrate and set three high volume pumps to start clearance sampling

9:15a-Pumps are turned and Mr. Alberto Gonzalez arrives to job site

10:25a-I check on all pumps

11:30a-I turned off all pumps and collected all samples

12:30p-Osvaldo receives a verbal of clearance so he begins to tear down

1:00p-A final visual inspection is performed and passes

1:15p-Crew leaves job site

1:30p-I collect all equipment and begin air monitoring report

3:30p-I leave job site

KEERS Crew Members: Raymond Padilla
KEERS Supervisor: Osvaldo Arroyo

Project Manager Signature:

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MONOMETER READING

Project Number: 117-09-029 Building Number: 2474 Date: 10-22-09

Time	Reading	Reader's Initials	Comments
6:00am-7:00am			
7:00am-8:00am			
8:00am-9:00am			
9:00am-10:00am			
10:00am-11:00am			
11:00am-12:00pm			
12:00pm-1:00pm	-0.042		
1:00pm-2:00pm	-0.035		
2:00pm-3:00pm	-0.054		
3:00pm-4:00pm	-0.048		
4:00pm-5:00pm			
5:00pm-6:00pm			
6:00pm-7:00pm			

MONOMETER READING

Project Number: 117-09-029 Building Number: 2474 Date: 10-23-09

Time	Reading	Reader's Initials	Comments
6:00am-7:00am			
7:00am-8:00am	-0.032		
8:00am-9:00am	-0.041		
9:00am-10:00am	-0.034		
10:00am-11:00am	-0.039		
11:00am-12:00pm	-0.035		
12:00pm-1:00pm			
1:00pm-2:00pm			
2:00pm-3:00pm			
3:00pm-4:00pm			
4:00pm-5:00pm			
5:00pm-6:00pm			
6:00pm-7:00pm			